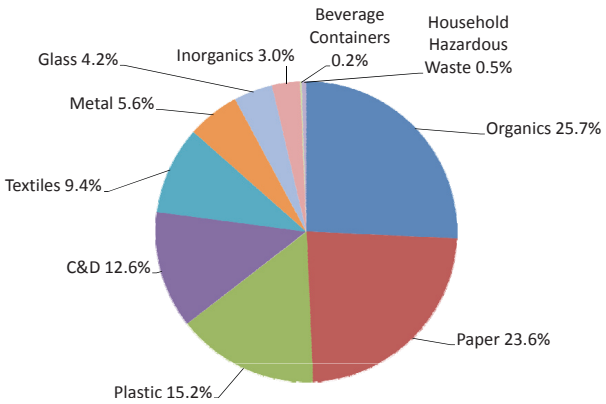
Illinois Commodity/Waste Generation and Characterization Study

Commissioned by:

dceo
ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY



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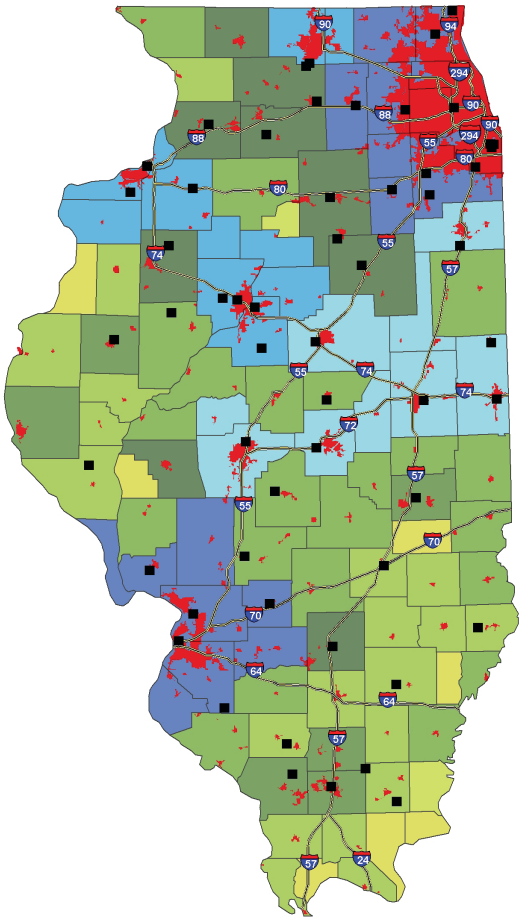

Prepared by:

CDM

May 22, 2009

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Executive Summary

Introduction

The Illinois Department of Commerce and Economic Opportunity (DCEO), Division of Recycling and Waste Reduction, commissioned the Illinois Recycling Association (IRA) to develop a Commodity / Waste Generation and Characterization Study. Camp Dresser & McKee Inc. (CDM) was contracted by IRA to conduct the study. This study will assist DCEO in fulfilling its recycling and waste reduction related missions:

- Supporting efforts to increase the quantity of materials recycled or composted in Illinois.
- Supporting efforts to develop and expand markets for recyclable materials.
- Supporting efforts to advance the self-sufficiency of the recycling industry in Illinois.

In Illinois, there are three primary laws that address the management of solid waste: The Solid Waste Management Act (SWMA), the Solid Waste Planning and Recycling Act (SWPRA) and the Illinois Environmental Protection Act (EPAct). Each of these laws includes important language that guides the management of solid waste in Illinois.

The SWMA, adopted in 1986, establishes the following waste management hierarchy, in descending order of preference, as State policy:

1. Volume reduction at the source [of generation];
2. Recycling and reuse;
3. Combustion with energy recovery;
4. Combustion for volume reduction; and
5. Disposal in landfill facilities.

Under the SWPRA, adopted in 1988, all Illinois counties as well as the City of Chicago shall develop and implement comprehensive solid waste management plans that are required to place a substantial emphasis on recycling and landfill alternatives, encourage recycling and source reduction, and to promote composting. Each county waste management plan is required to be updated and reviewed every 5 years by IEPA to ensure compliance with the purpose and provisions of the Act. Each plan must include provisions for the implementation of a recycling program(s) designed to recycle 25 percent of the municipal waste generated in their jurisdiction. SWPRA acknowledges that recovering certain materials from municipal waste will decrease flows to landfills, aid in the conservation and recovery of valuable resources, conserve energy in manufacturing processes, increase the supply of materials for state industries, and substantially reduce the need for municipal waste incinerators.

The EPAct contains Illinois' environmental regulations and this legislation establishes requirements for the issuance of permits for pollution control facilities such as landfills and transfer stations. (Recycling centers and "clean" material recovery facilities (MRFs) do not require permits.) It also regulates the disposal of used tires and garbage. In addition, The EPAct also establishes fees that support DCEO's and IEPA's solid waste management programs.

The EPAct also contains provisions that prohibit a variety of items from being disposed of in Illinois' landfills. The following items are currently banned: landscape waste; lead-acid batteries; whole waste tires; "white goods" (appliances); and used motor oil. The Electronic Products Recycling and Reuse Act, signed into law on September 17, 2008, advances a producer responsibility model for managing end-of-life electronics and will ban covered electronic devices from being landfilled in Illinois starting January 1, 2012.

Purpose

In order to effectively manage resources and waste pursuant with the intent of the SWMA, SWPRA, and EPAct, it is important to understand the types and quantities of materials generated, the generating sectors, the quantities that are potentially recoverable and those that are otherwise disposed. Acquiring this data can enable sound policy and program design, implementation and program analyses for both the public sector and private sector. The data gained from this Study can be used for strategic planning; developing future legislative initiatives; evaluating effectiveness of current recovery efforts; targeting programs and educational efforts to advance recovery of commodities; providing guidance to state agencies and local governments; and aid in fulfilling the responsibilities required under the SWMA, SWPRA, and EPAct by local governments or management districts. This is the first statewide report to study this data in Illinois.

Project Tasks and Objectives

The following tasks and objectives outline the activities that were conducted as a part of this Study:

Waste Characterization – Develops the composition and quantification of the municipal solid waste (MSW) originating and disposed within the state;

- Determine the aggregate composition of Illinois' MSW disposed statewide according to the material categories;
- For the State as a whole, differentiate and compare MSW composition of defined material categories disposed from the Residential, Industrial / Commercial / Institutional (ICI), and C&D generation sectors;
- For the State as a whole, differentiate and compare MSW composition of defined material categories generated and disposed from urban and rural areas by residential and ICI sectors;

- Determine the estimated recovery rates by material types, and in gross aggregate, being recovered by subtracting out the amount that will be estimated as being disposed from generation data;

- Identify key opportunities for diversion, recovery (including composting) or reuse of specific types of disposed material categories; and

- Identify the types and quantities of disposed materials generated from residential, commercial and C&D sectors that could be recoverable and the estimated value of those materials based upon Midwest markets.

Waste Generation - Develops the quantity of MSW generated within the state;

- Determine the estimated generation of Illinois' MSW by generating source:

- By pounds per capita per day (PCD), differentiating urban and rural values;

- By the Illinois EPA's seven regions in aggregate;

- By county;

- Statewide in aggregate; and

- Comparison of findings to national data.

Planning Model - Development and implementation of a web based commodity / waste generation and characterization (CWGC) planning model. This model is intended to provide communities or counties a tool to estimate the quantity and composition of waste generated based upon certain parameters as inputs, or as a default, the results of this study. Specific data can also be entered, such as recycling data, to determine diversion rates.

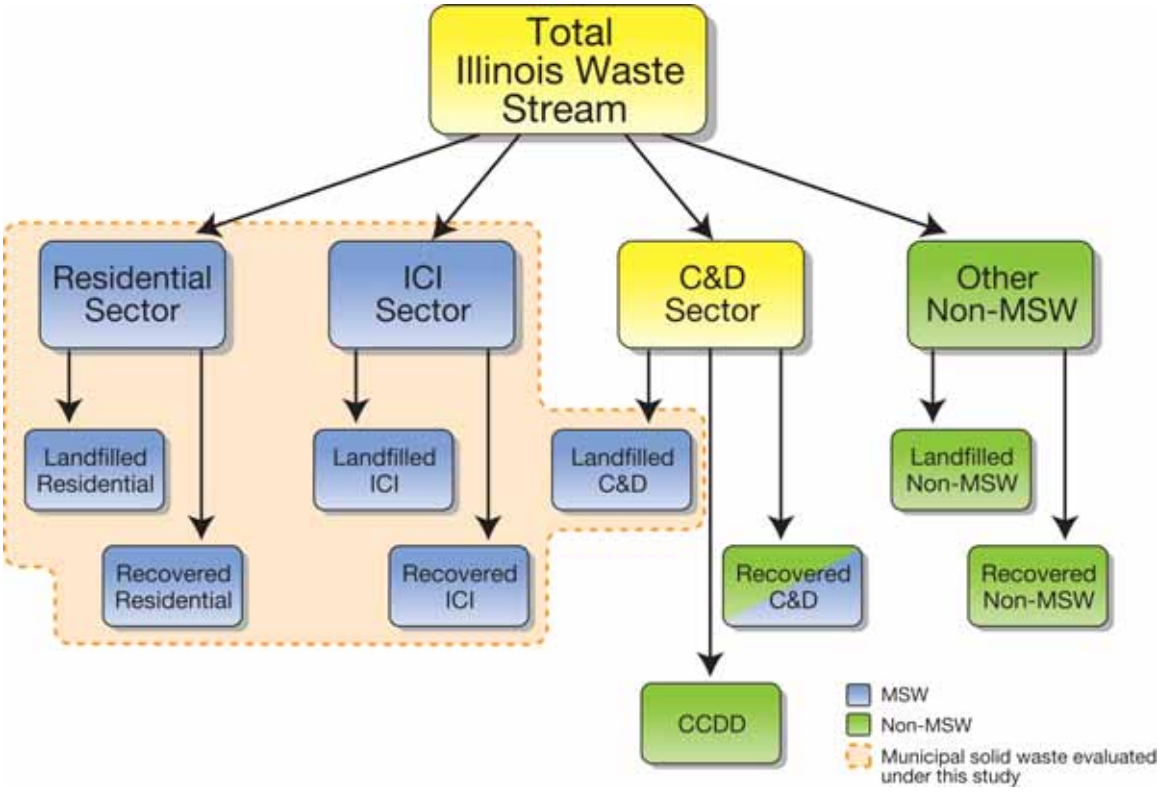
This report will present the results of these tasks and objectives; determine statewide recycling diversion rate estimates and provide recommendations for future consideration.

Illinois Municipal Solid Waste

For the purposes of the study, a waste sector is identified by the particular generation characteristics that make it a unique portion of the total waste stream. This study is limited to analysis of the statutory definition of municipal solid waste (MSW or municipal waste), which is defined by Illinois law as "garbage, general household, institutional and commercial waste, landscape waste and construction or demolition debris" as per 415 ILCS 5 / 3.290 (see Figure 1). As a note, in this report the terms municipal waste and MSW are used interchangeably. Based on the definition of MSW several waste sectors were not considered as part of this study, specifically the following materials were excluded:

- Special waste which includes any of the following per 415 ILCS 5/3.475:
  - potentially infectious medical waste
  - hazardous waste
  - industrial process waste or pollution control waste. (415 ILCS 5/3.235)
- Clean construction or demolition debris (CCDD) is not considered a "waste" if it is separated or processed and returned to the economic mainstream as raw materials or used as fill material (415 ILCS 5/3.160), with the exception of CCDD materials within the definition that are disposed at MSW landfills; and
- Diverted C&D materials.

Figure 1. Illinois Municipal Solid Waste



Principal Findings

MSW Characterization

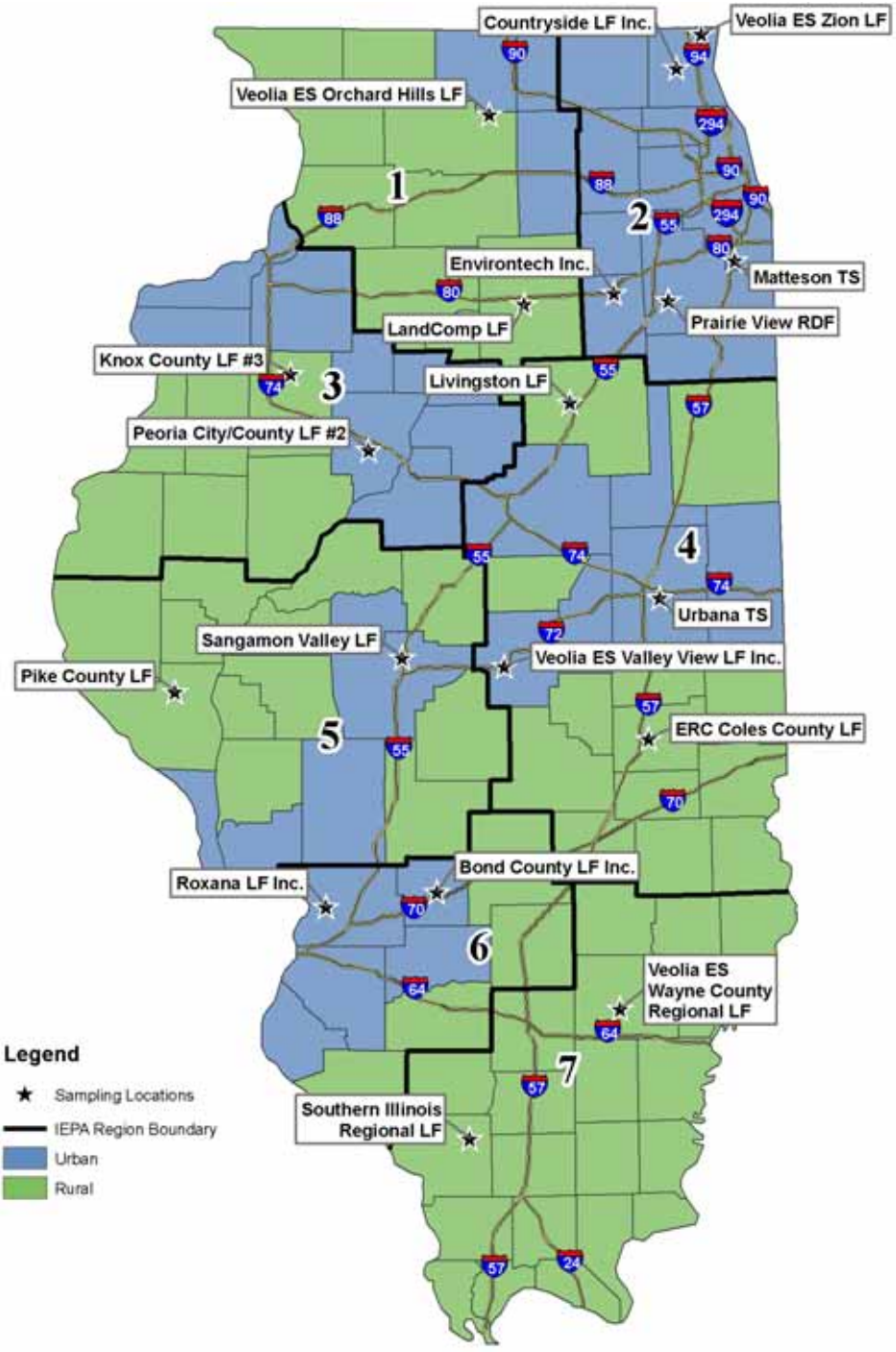
This section develops MSW composition and quantification estimates for the residential, ICI and C&D sectors of MSW originating within the State of Illinois. All of the results in this section are for materials found to be landfilled; landfilled means disposed in landfills or destined for landfills (for data obtained from transfer stations). These composition and quantification estimates are later compared to the MSW

generation estimates, to provide an estimate of the recovery efforts in the State of Illinois.

Methodology

A sampling plan was developed for the MSW characterization task to comply with the industry standards for conducting waste characterization studies and the American Society for Testing and Materials (ASTM) standard D5231 for samples size. This plan was developed to ensure that the samples collected were representative of Illinois' statewide waste stream.

Figure 2. Sample Location Map



Overall, CDM conducted sampling at 19 solid waste facilities located throughout Illinois, 17 landfills and 2 transfer stations (TS), over 20 days between October 2, 2008 and November 14, 2008 (Figure 2). The City of Chicago was not sampled directly during this study; however, samples from a separate waste characterization study conducted by the Chicago Department of Environment (CDOE) were used to develop a comprehensive statewide MSW composition. A total of 315 samples (172 statewide and 143 from Chicago) from the residential and ICI sectors were physically characterized and 150 source separated C&D loads were visually characterized to develop the waste composition profiles provided in this section. A summary of the sample allocation is provided in Table 1**.**

Table 1. Number of Samples by Waste Sector

Sampling Group	Sample Count		Total Sample Wt.	Mean Sample Wt.
	No.	%	(pounds)	
Residential	169	100%	40,103	237.3
Urban-State	*45*	*26.6%*	*11,364*	*252.5*
Urban-Chicago	*93*	*55.0%*	*21,189*	*227.8*
Rural-State	*31*	*18.3%*	*7,550*	*243.6*
ICI	146	100%	38,793	265.7
Urban-State	*64*	*43.8%*	*15,777*	*246.5*
Urban-Chicago	*50*	*34.2%*	*15,117*	*302.3*
Rural-State	*32*	*21.9%*	*7,899*	*246.8*
Total Res./ICI - State	*172*	*54.6%*	*42,591 (21.3 tons)*	*247.6*
Total Res./ICI - Chicago	*143*	*45.4%*	*36,307 (18.2 tons)*	*253.9*
Total Res./ICI	**315**	**100%**	**78,897 (39.5 tons)**	**250.5**
C&D – State	**150**		**705 tons**	**4.7 tons**

After the samples were collected they were sorted into material categories and weighed. The samples were sorted into 10 material classes; Paper, Beverage Containers, Plastics, Glass, Metals, Organics, C&D, Inorganics, Household Hazardous Waste (HHW), and Textiles. Materials within these classes were further separated into 79 individual material categories as shown in Section 2.2.3.

Landfilled MSW Composition

Figure 3 shows the percentage, by weight, of each of the ten material classes for landfilled MSW. C&D, Paper, Organics, and Plastic account for over 82% (25.3%, 23.4%, 20.7% and 13% respectively) of landfilled MSW.

Figure 3. Composition of Landfilled MSW by Material Class

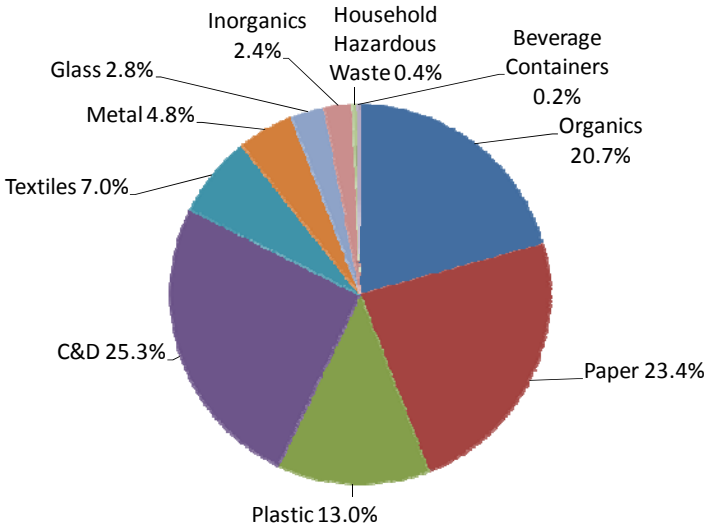


Table 2 lists the top ten material categories that were found in landfilled MSW. These ten individual categories account for over 46% of landfilled MSW. Food Scraps and Uncoated OCC / Kraft account for approximately 22% (12% and 10% respectively) of landfilled MSW.

Table 2. Top Ten individual Material Categories in Landfilled MSW

Component	Waste Composition %	Cum. %
Food Scraps	12.0%	12.0%
Uncoated OCC/Kraft	10.0%	22.0%
Treated Wood	4.0%	25.9%
Other Rigid Plastic Products	3.3%	29.2%
Gypsum Board	3.1%	32.3%
Other Textiles	3.0%	35.3%
Compostable Paper	3.0%	38.3%
Newsprint	2.7%	41.0%
Mixed Paper - Recyclable	2.7%	43.7%
Composition Shingles	2.6%	46.4%
Total	**46.4%**	

Comparison of Landfilled MSW Composition by Waste Sector

The overall waste stream is relatively similar to the residential and ICI MSW sectors as these two sectors comprise the majority of the landfilled waste stream, when compared to the C&D sector. As anticipated there are numerous classes where the C&D sector differs from the residential and ICI sectors. Approximately 86% of the C&D sector consists of material categories that fall within the C&D class of materials (e.g., composite shingles, concrete, wood, etc.) and 14% of the C&D sector consists of material categories that fall within the nine other classes of waste materials (e.g., Paper, Plastics, HHW, etc.).

Residential and ICI waste sectors have many commonalities (Figure 4). The majority of the material classes fall within the 90% confidence interval. However, when the residential composition profile is compared to the ICI composition profile, Paper, Glass, Organic and C&D material classes were statistically different. The other material classes were not statistically different. The 90% confidence interval means that 90% of the time the composition results will be within the error bars (+- %). There is significantly more Paper (mainly uncoated OCC/Kraft) and C&D disposed by the ICI sector, while there is significantly more Glass and Organics disposed by the residential sector.

Figure 4. Comparison of MSW Waste Sectors Composition

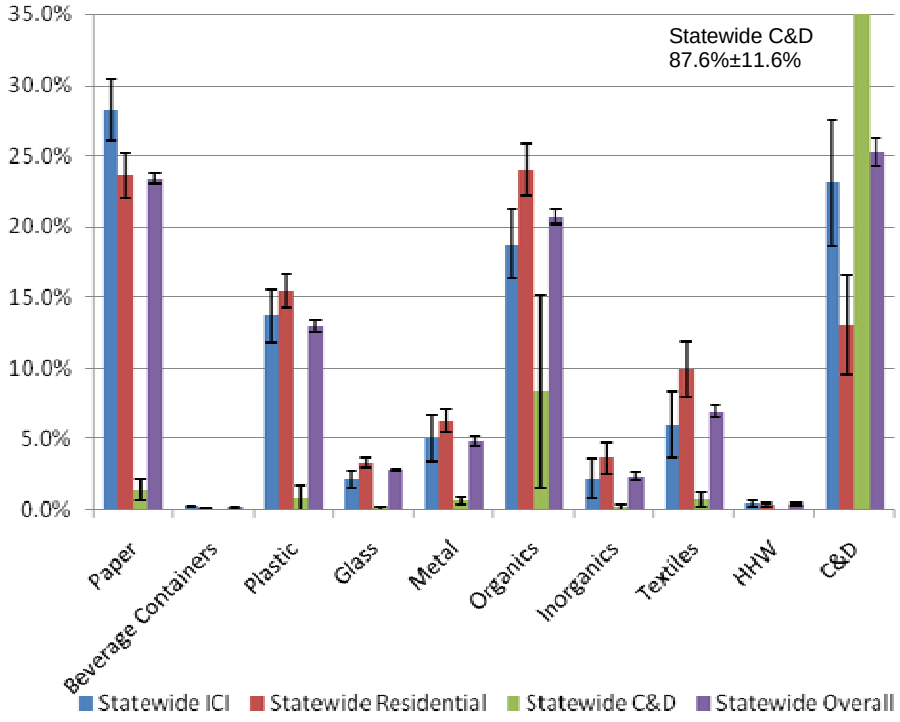


Figure 5 compares the waste composition profiles for the Residential waste sector and its subsectors. When considering the residential MSW waste, the majority of the material classes fall within the 90% confidence interval for the rural and urban sectors, with the exception of the Paper and Textiles classes. There is significantly more paper disposed within the rural counties of Illinois and there are significantly more textiles disposed within urban areas of Illinois.

Figure 6 compares the waste composition profiles for the ICI waste sector and subsectors. The majority of the material classes fall within the 90% confidence interval for the rural and urban sectors, with the exception of the Organics and C&D classes. There is significantly more organics disposed within the rural counties of Illinois and there is significantly more C&D disposed within urban areas of Illinois.

Figure 5. Comparison of Residential MSW Composition

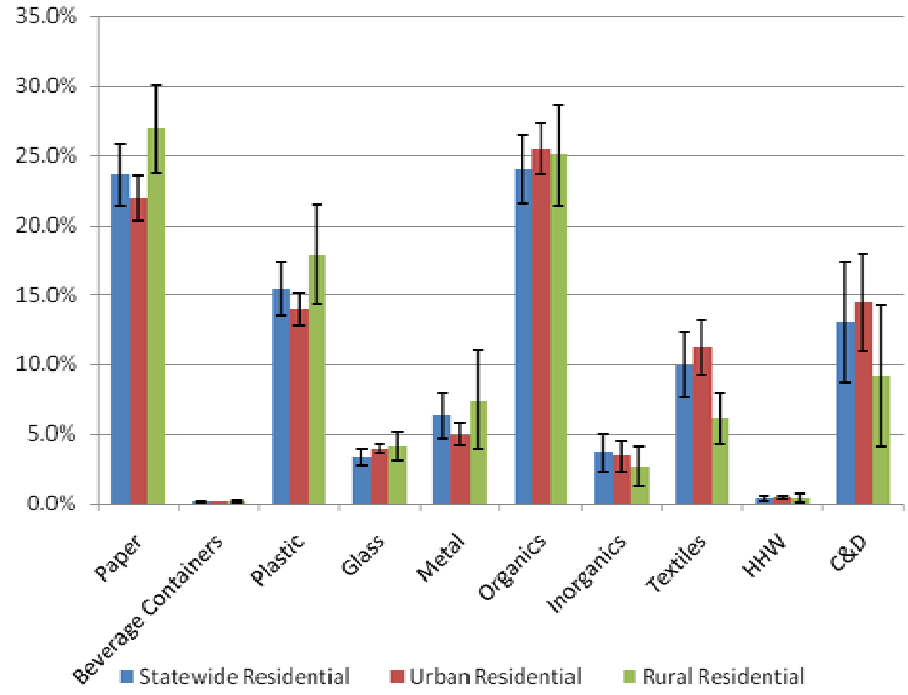
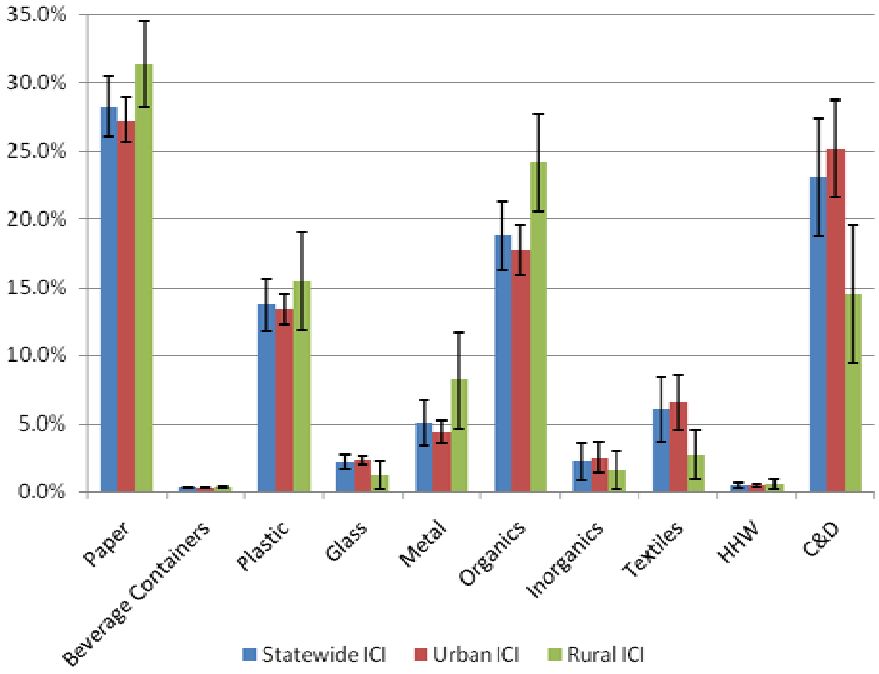


Figure 6. Comparison of ICI MSW Composition



MSW Generation

Introduction and Methodology

This task develops statewide, regional, and county-by-county municipal solid waste (MSW) generation estimates. Generation is that quantity of products considered municipal waste entering the waste management system from residential, commercial, industrial, institutional and C&D sources before materials recovery or disposal takes place. To develop the generation estimates, factors based on Illinois specific economic indicators were applied to 2007 national per capita generation rates that were derived from the U.S. EPA report *Municipal Solid Waste in the United States: 2007 Facts and Figures*[1]. The Illinois factors were adjusted using the composition and waste sector quantity results presented in the report.

Total Statewide MSW Generation

Total statewide MSW generation in 2007 was 18.9 million tons or 8.06 pounds per person per day. Generation by material class is shown in Figure 7. Paper products comprise the largest portion of MSW generated, at 28.3%. C&D was the second largest fraction, at 22.5%. The third largest category of MSW generation is Organic material, which made up 18.8% of total MSW generation. Plastic products are 11.2% of generation and the remaining categories total 19%. Table 3 depicts the top ten individual material categories and their respective generation in tons.

MSW Generation by IEPA Region is shown in Figure 8. Region 2 generates almost 70% of the total statewide MSW generation. Table 4 compares the percapita MSW generation rates for the seven IEPA Regions.

[1] U. S. Environmental Protection Agency Office of Solid Waste (5306P). November 2008. EPA530-R-08-010. http://www.epa.gov/epawaste/nonhaz/municipal/pubs/msw07-rpt.pdf

Figure 7. Statewide MSW Generation by Material Class

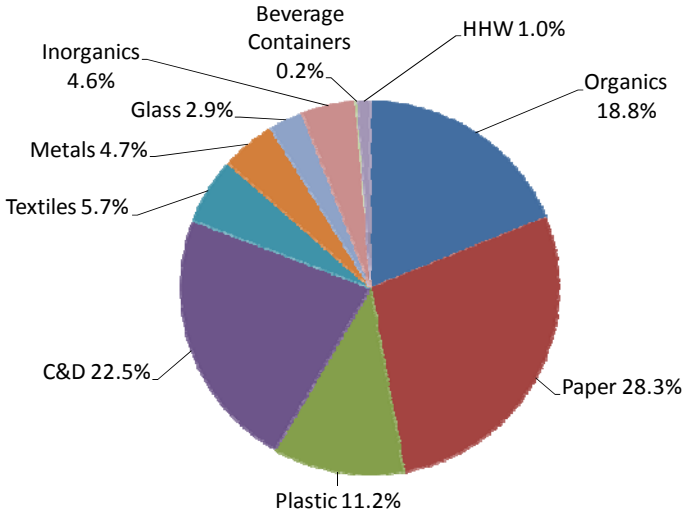


Table 3. Top Ten MSW Generation Individual Material Categories

Category	Waste Composition Tons	Cum. Tons
Uncoated OCC/Kraft	2,436,210	2,436,210
Food Scraps	1,838,100	4,274,310
Newsprint	868,130	5,142,440
Treated Wood	604,760	5,747,200
Other Rigid Plastic Products	586,130	6,333,330
Recyclable Glass Bottles & Jars	520,020	6,853,350
Compostable Paper	474,730	7,328,080
Gypsum Board	472,380	7,800,460
Yard Waste - Compostable	471,250	8,271,710
Other Textiles	463,770	8,735,480
Total	**8,735,480**	

Figure 8. MSW Generation by IEPA Regions (% of statewide generation)

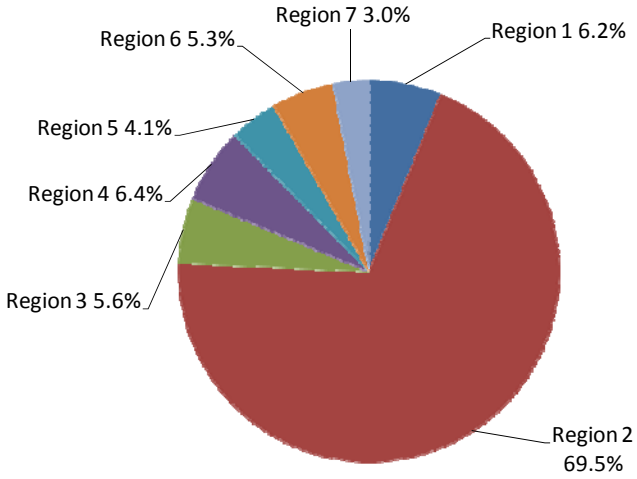


Table 4. Per Capita MSW Generation Rates by IEPA Region

IEPA Region	Waste Generated (per capita day)
One: Northwestern Illinois	7.6
Two: Chicago Metropolitan	8.3
Three: Peoria/Quad Cities	7.7
Four: East Central Illinois	7.6
Five: West Central Illinois	7.6
Six: Metropolitan East St. Louis	7.6
Seven: Southern Illinois	7.2
Total	**8.1**

MSW Diversion Data

It is the intent of Illinois law that the recovery of resources and diversion of commodities from landfills should be a fundamental concept in Illinois management goals and can be accomplished using a variety of strategies including source reduction, re-use, recycling, composting and other techniques. The diversion rate is a key indicator as to the success or failure of recovery efforts. In order to calculate a diversion rate, the quantity of materials generated must be known as well as a knowledge of the quantity of materials recovered using the strategies named above. Unfortunately, the task of ascertaining the quantity of materials being recovered was beyond the scope of this Study. Nonetheless, a diversion rate can be estimated by assuming that the difference between the generation quantities developed in Section 3 – 18.9 million tons, and disposal quantities developed in Section 2 – 15.3 million tons, is the quantity of materials recovered – some 3.6 million tons. Based on this methodology, **the overall Illinois diversion rate is 19.1% by weight.**

Currently there is no mechanism in Illinois that requires the quantity of recovered materials to be reported to a central entity. Therefore, Illinois cannot accurately

determine what the diversion rate in the state actually is. Illinois EPA is required to annually publish the Non-hazardous Solid Waste Management and Landfill Capacity Report, which relies on voluntary reporting by county coordinators. According to the 2007 Report, coordinators report that 23.1 million tons of waste is generated and 9.1 million tons are recycled, yielding a diversion rate of 39.3%. Obviously, there are significant discrepancies between the results of this Study and the Report and the diversion rate could not be validated. There are several factors that could account for this difference:

1. This study focuses on solely Municipal Waste whereas the coordinator's data in the EPA Report focuses on landfilled tonnages which can include industrial process waste, special waste and / or clean construction or demolition debris.

2. The data submitted by coordinators is not current for the year – only one third of the 106 reporting entities submitted current data.

3. Data is submitted without an officially adopted calculation protocol to be used uniformly throughout the state. Therefore, what has been reported by some may not be considered by others, or quantities of some materials may not even appropriate to report altogether, and there is likely "double counting" occurring.

Market Values of Landfilled Commodities

One of the sub-goals of this Study is to determine the estimated value of commodities that are landfilled and thus being lost to the overall economy – wasting jobs, natural resources, and contributing to negative environmental impacts. A comprehensive economic evaluation would include direct, indirect and induced economic values of all commodities being landfilled, and is a complete study in and of itself. In light of this, it was determined to focus on the "traditional" commodities typically collected in residential or commercial recycling programs. Recognizing that there are other significant quantities of commodities being recycled, the value presented here then should be viewed as a minimum. The market value was calculated based on the average 2008 commodity values from January 2008 through October 2008 obtained from market data detailed in Section 4.5 for the Midwest region, prior to the temporary collapse of markets that occurred in November**. The direct market value of the landfilled materials shown in Table 4-5 is calculated at over $600 Million.**

MSW Greenhouse Gas Data

Global warming is an issue that has been steadily gaining national and worldwide attention and concern. It is widely agreed that greenhouse gases (GHG) that result from the burning of fossil fuels and other human activities, is contributing to climate change. Illinois has a sustainable energy plan and is a signatory to the Midwestern Greenhouse Gas Accord. Recovering commodities from discarded materials through recycling, composting, and waste reduction strategies can play a significant role in reducing GHG's by reducing emissions. Recovering commodities:

1. Avoids emissions from raw material extraction and transport,

2. Avoids emissions from raw material processing into "manufacturing ready" feedstock,

3. Avoids emissions from landfilling (methane),

4. Sustains forest carbon sequestration,

5. Reuses carbon based plastics indefinitely, rather than one time btu value for combustion.

The Illinois MSW generation and disposal information was inputted into the U.S. Environmental Protection Agency (EPA) Waste Reduction Model (WARM)[2], to determine equivalent greenhouse gas emissions resulting from the landfilling of MSW in Illinois and to determine the emission reductions resulting from the quantities estimated to be recovered. The GHG emission factors were developed following a life-cycle assessment methodology using estimation techniques developed for national inventories of GHG emissions. Default values for all variables were used for this model. CDM assumed the national landfill average for methane recovery for flare and assumed default transport distances for emissions that occur during transport to landfills.

The total GHG emissions produced from the annual landfilled MSW (15.3 million tons) is approximately 2,404,563 MTCO$_2$E. This is equivalent to the annual greenhouse gas emissions from approximately 440,400 passenger vehicles or the carbon sequestered annually by 16,800 acres of forest preserved from deforestation[3].

The total GHG emissions reduced from materials currently recycled (3.6 million tons) is 8,910,029 MTCO$_2$E, which is equivalent to the annual greenhouse gas emissions from approximately 1,631,900 passenger vehicles or the carbon sequestered annually by 62,300 acres of forest.

Recommendations

CDM recommends the following additional tasks for refinement and expansion of the Illinois Commodity / Waste Generation and Characterization Study:

1. This study focused on the characterization of the statutory definition of Illinois' municipal solid waste (MSW) stream. As such, several components of the overall Illinois waste stream were not included in this study. However, these materials are often disposed in Illinois landfills and the composition and

[2] EPA's report Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks (EPA 530-R-06-004) describes this methodology in detail. visit http://epa.gov/climatechange/wycd/waste/SWMGHGreport.html http://www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html.

[3] EPA. 2009. Greenhouse Gas Equivalencies Calculator. http://www.epa.gov/cleanenergy/energy-resources/calculator.html

quantity of these materials should be assessed to provide a complete picture of the Illinois waste stream. This study is a first step in developing a picture of the Illinois waste stream. It provides a clearer picture, but is not comprehensive. If the goal is diversion of waste from landfills then an assessment of other materials landfilled / disposed in Illinois is needed. These materials include the following:

a. **Clean construction and demolition debris (CCDD)** – This material is often diverted from landfills and either reused, recycled, used as fill, or disposed at permitted CCDD facilities. This material stream likely comprises a large piece of the gap between MSW and total waste generation. By definition CCDD is not a waste when handled according to the Environmental Protection Act. However, this often poses a dilemma in solid waste management planning, in that CCDD can become a waste if it is mixed with MSW. Theoretically, CCDD also becomes a waste when it is landfilled.

b. **Soil and Alternative Daily Cover** – These materials are accepted at landfills and consume landfill capacity, yet often times these materials are not quantified or included in waste generation estimates. Shredded demolition wood waste is one example of a waste stream that is commonly used for alternative daily cover. Contaminated soil, and occasionally clean soil, is also disposed at landfills.

c. **Special and Non-special Waste** – Industrial process wastes, hazardous wastes, pollution control wastes, declassified special wastes and other special wastes are not part of the MSW stream. These materials are landfilled and the composition of these materials has not been assessed at the state or regional level. Unlike other waste sectors identified, due to regulations stipulating recordkeeping and reporting of these wastes, analysis of this sector would be less difficult.

d. **Landscape Waste** –Landscape (yard) waste is banned from being landfilled in Illinois, yet quantities of this material are often found in landfills. As with other waste streams partially or wholly diverted from landfills, characterization at disposal facilities is not the best method for quantification.

e. **Diverted materials** – For this study, the quantity and composition of diverted materials was estimated based on the difference between generation data and landfilled data. This approach relies too heavily on the waste generation estimates rather than hard data. Having said that, obtaining defendable diversion data is potentially even more difficult, especially when considering source reduction and reuse activities. A study focusing on estimating the quantity and composition of diverted materials, used in conjunction with the results of this study, would assist in finding areas for improving all three of the landfilled, diverted and total

generation estimates. Although the best method to determine the quantity of materials being recovered would be to require annual reporting.

f. **Illinois Waste Disposed Outside Illinois** – This study was conducted at Illinois landfills and therefore the composition of Illinois waste that was disposed outside of Illinois was not obtained. Having said that, it is not unreasonable to assume that the composition of this waste is similar to that disposed within Illinois.

2. The composition and recovery of materials in the waste stream and its sectors and classes can vary significantly over short time frames based on changes in technology, manufacturing, distribution, regulations, planning efforts, diversion programs, and many other factors. A prime example of this is the inorganics classification which includes electronics devices, televisions, fluorescent lights, etc. and the recently adopted Electronic Products Recycling and Reuse Act. As such, it is recommended that a study similar to the Illinois Commodity / Waste Generation and Characterization Study be conducted periodically, approximately every 5 years.

3. CDM recommends that the distribution of residential, ICI, C&D wastes be further characterized. The data used for this study was developed using gatehouse surveys from one day at each facility. While this provides a reasonable overall distribution for the state, it does not provide sufficient data for estimating the distribution within the individual counties and Illinois EPA Regions.

Illinois Recycling Association Recommendations

The Illinois Recycling Association (IRA) presents this report to the Illinois DCEO, as an initial step to update the status of recycling and commodities recovery in Illinois. It is reasonable to begin this process by gathering disposal data from solid waste transfer stations and landfills in the state of the current volumes of what has been commonly discarded as waste. However, an entire new industry of recovery and recycling of discards has grown since the passage of the three key solid waste management acts. These advances challenge established definitions of waste and move us closer to waste reduction and recovery goals that were once deemed idealistic.

The Association has worked in cooperation with the State of Illinois to offer educational workshops, seminars, and information links as well as providing a direct connection to a wide variety of recycling services and diversion options for both common and unique discards. In addition, the Illinois Recycling Association is working to compile a comprehensive listing of recycling industries, services, and the government entities responsible for recording recycling data. The association hopes to continue to maintain this database as a resource for those seeking recycling resources within the state.

The recycling industry is in reality a variety of industries, which share a common result. These industries have expanded our body of knowledge, created new manufacturing and recovery technologies, and provided economic growth through creation of jobs and consumer products.

The contracted consultant, Camp Dresser & McKee, provided recommendations that are based upon recognizing gaps and inconsistencies of data while conducting this study. There is unarguably more information to be gathered, a re-assessment of our definition and understanding of waste and recovery is needed, and a re-affirmation of attainable waste reduction and recycling goals with benchmark years should be determined and re-visited on a regular basis.

We offer the following recommendations with consideration of the information presented in this study, as well as recognition and appreciation for the progress that our industries have made, often with the assistance and encouragement from State government and new and revised laws approved thus far. The IRA looks forward to continuing our collaboration with DCEO and others committed to research, study and maintain relevant data that serves the recycling and recovery industries in the State of Illinois.

Convene a Commission for Resource Recovery and Disposal
Adopt legislation to establish a Commission that includes the following mission:

a. Study and make recommendations regarding the economics of landfilling wastes and recovering commodities, including full environmental costs and benefits, and the extent to which they are reflected in prices and associated fees collected by the state.

b. Review the extent to which materials with economic value are lost by landfilling and recommend ways to maximize the productive use of discarded materials - including recycling, composting, reuse, and energy recovery.

c. Study and recommend ways that Illinois can minimize the generation of waste materials and evaluate ways to apply “Zero Waste” as a guiding vision to be accomplished by source reduction, reuse, recycling, and composting.

d. Study the management of toxic and nontoxic discards and recommend ways to ensure these are managed in a manner that minimizes environmental impacts and potential burdens to future generations.

e. Study and clarify the role municipalities, residents, businesses, and state government each hold in the use, management, recovery, and disposal of materials and recommend how they can act in concert to attain disposal and recovery goals.

f. Review and recommend changes to existing laws that govern "solid waste" management, recognizing resource management as unique and distinct from solid waste management; that minimize environmental, economic, and

social costs to the residents and businesses of Illinois; and that reduce GHG's so that Illinois can achieve and maintain a truly integrated and sustainable materials management system.

Update the Illinois Recycling Economic Information Study (REI)
Illinois DCEO commissioned an REI study nearly a decade ago to determine and quantify the economic benefits of recycling activities. The study showed how recycling and reuse significantly contribute to Illinois' economy. The direct economic impact, at that time, included 2,400 businesses that employed over 56,000 with an annual payroll of $1.8 Billion, and those businesses had annual receipts of $12.3 Billion. The study further concluded that the total economic value (the broader effect of the recycling and reuse industry) including direct, indirect, and induced economic considerations was $34.6 Billion.

Recycling and reuse industries create and retain jobs and generate state and local tax revenues.

It is vital to the state's economic development to understand and support the contribution the recycling and reuse industries make in the state's economy. To foster continued development of recycling and reuse industries, not only for environmental but also economic contributions, a thorough understanding of such contributions is an essential component to sustaining the states' economic well being. It is recommended that an REI study be conducted and updated on a regular basis, but at a minimum of every 5 years.

Review and Update Solid Waste Planning/Management Laws
Much has changed in the more than 20 years since the Illinois Solid Waste Planning and Recycling Act of 1988 and the Illinois Solid Waste Management Act of 1986 were developed. Review the provisions of each law to recognize the growth of technology, recovery of what was once considered wastes, and the impacts of all waste and recycling activities on the environment.

Plan and Encourage Future Recovery
Certain materials have been identified as constituting a large percentage of the landfilled MSW stream. Some of these materials are significantly below national recycling rates, although recycling processes and markets exist. Research and encourage diversion programs that expand the needed infrastructure, disposal requirements, demand for end product, and education programs that focus on these materials:

- Food scraps;
- Paper, including uncoated OCC/Kraft, compostable paper, newsprint, mixed paper, high grade office paper, boxboard;
- C & D, treated wood, gypsum board, composition shingles;
- Plastics, including PETE, HDPE, Other rigid plastics; and

- Textiles, including carpet, clothing and other textiles.

Develop a Universal Protocol for Calculating Diversion Rates

This study has shown that diversion rates vary significantly depending on the source of the data. A universal protocol for estimating diversion and recycling rates needs to be developed and annual reporting based upon a common calculation of rates should be required. The protocol should establish the materials that should be identified for diversion / recycling (identified as the numerator of the equation) and the definition of materials included in the quantity of the generated materials (the denominator of the equation).

Toxic/Special Wastes

Toxic and special wastes are not included when developing recycling or diversion programs, and so such materials, which are a part of the MSW stream cannot be targeted for source reduction, diversion or recycling. Initiatives and diversion programs should be maintained and expanded to reduce the quantity and toxicity of wastes from being landfilled, such as for Household Hazardous Waste (HHW). This Study found 64,000 tons of HHW are currently being disposed per year. In terms of impacts, while the quantity is comparatively low, the toxicity of HHW significantly outweighs that of other materials.

Section 1
Introduction

The Illinois Department of Commerce and Economic Opportunity (DCEO), Division of Recycling and Waste Reduction, commissioned the Illinois Recycling Association (IRA) to develop a Commodity / Waste Generation and Characterization Study. Camp Dresser & McKee Inc. (CDM) was contracted by IRA to conduct the study. This study will assist DCEO in fulfilling its recycling and waste reduction related missions:

- Supporting efforts to increase the quantity of materials recycled or composted in Illinois.
- Supporting efforts to develop and expand markets for recyclable materials.
- Supporting efforts to advance the self-sufficiency of the recycling industry in Illinois.

In Illinois, there are three primary laws that address the management of solid waste: The Solid Waste Management Act (SWMA), the Solid Waste Planning and Recycling Act (SWPRA) and the Illinois Environmental Protection Act (EPAct). Each of these laws includes important language that guides the management of solid waste in Illinois.

The SWMA, adopted in 1986, establishes the following waste management hierarchy, in descending order of preference, as State policy:

1. Volume reduction at the source [of generation];
2. Recycling and reuse;
3. Combustion with energy recovery;
4. Combustion for volume reduction; and
5. Disposal in landfill facilities.

Under the SWPRA, adopted in 1988, all Illinois counties as well as the City of Chicago shall develop and implement comprehensive solid waste management plans that are required to place a substantial emphasis on recycling and landfill alternatives, encourage recycling and source reduction, and to promote composting. Each county waste management plan is required to be updated and reviewed every 5 years by IEPA to ensure compliance with the purpose and provisions of the Act. Each plan must include provisions for the implementation of a recycling program(s) designed to recycle 25 percent of the municipal waste generated in their jurisdiction. SWPRA acknowledges that recovering certain materials from municipal waste will decrease flows to landfills, aid in the conservation and recovery of valuable resources, conserve energy in manufacturing processes, increase the supply of materials for state industries, and substantially reduce the need for municipal waste incinerators.

The EPAct contains Illinois' environmental regulations and this legislation establishes requirements for the issuance of permits for pollution control facilities such as landfills and transfer stations. (Recycling centers and "clean" material recovery facilities (MRFs) do not require permits.) It also regulates the disposal of used tires and garbage. In addition, The EPAct also establishes fees that support DCEO's and IEPA's solid waste management programs.

The EPAct also contains provisions that prohibit a variety of items from being disposed of in Illinois' landfills. The following items are currently banned: landscape waste; lead-acid batteries; whole waste tires; "white goods" (appliances); and used motor oil. The Electronic Products Recycling and Reuse Act, signed into law on September 17, 2008, advances a producer responsibility model for managing end-of-life electronics and will ban covered electronic devices from being landfilled in Illinois starting January 1, 2012.

1.1 Purpose

In order to effectively manage resources and waste pursuant with the intent of the SWMA, SWPRA, and EPAct, it is important to understand the types and quantities of materials generated, the generating sectors, the quantities that are potentially recoverable and those that are otherwise disposed. Acquiring this data can enable sound policy and program design, implementation and program analyses for both the public sector and private sector. The data gained from this Study can be used for strategic planning; developing future legislative initiatives; evaluating effectiveness of current recovery efforts; targeting programs and educational efforts to advance recovery of commodities; providing guidance to state agencies and local governments; and aid in fulfilling the responsibilities required under the SWMA, SWPRA, and EPAct by local governments or management districts. This is the first statewide report to study this data in Illinois.

1.2 Project Tasks and Objectives

The following tasks and objectives outline the activities that were conducted as a part of this Study:

Waste Characterization – Develops the composition and quantification of the municipal solid waste (MSW) originating and disposed within the state;

- Determine the aggregate composition of Illinois' MSW disposed statewide according to the material categories;
- For the State as a whole, differentiate and compare MSW composition of defined material categories disposed from the Residential, Industrial / Commercial / Institutional (ICI), and C&D generation sectors;
- For the State as a whole, differentiate and compare MSW composition of defined material categories generated and disposed from urban and rural areas by residential and ICI sectors;

- Determine the estimated recovery rates by material types, and in gross aggregate, being recovered by subtracting out the amount that will be estimated as being disposed from generation data;

- Identify key opportunities for diversion, recovery (including composting) or reuse of specific types of disposed material categories;

- Identify the types and quantities of disposed materials generated from residential, commercial and C&D sectors that could be recoverable and the estimated value of those materials based upon Midwest markets.

Waste Generation- Develops the quantity of MSW generated within the state;

- Determine the estimated generation of Illinois' MSW by generating source:

- By pounds per capita per day (PCD), differentiating urban and rural values

- By the Illinois EPA's seven regions in aggregate

- By county

- Statewide in aggregate

- Comparison of findings to national data

Planning Model - Development and implementation of a web based commodity / waste generation and characterization (CWGC) planning model. This model is intended to provide communities or counties a tool to estimate the quantity and composition of waste generated based upon certain parameters as inputs, or as a default, the results of this study. Specific data can also be entered, such as recycling data, to determine diversion rates.

This report will present the results of these tasks and objectives; determine statewide recycling diversion rate estimates and provide recommendations for future consideration.

1.3 Consulting Team

CDM conducted the above tasks with the assistance of its subconsultants Franklin Associates (Franklin) and Cascadia Consulting Group (Cascadia). CDM has performed numerous solid waste planning and management projects in the State of Illinois and has conducted waste characterization sampling at 58 facilities and sorted more than 2,000 waste samples. Franklin has completed the "Characterization of Municipal Solid Waste in the United States" for the USEPA for the past 22 years. Cascadia brings thousands of waste composition sample results from past national studies already classified in a database by SIC code. The availability of this source-sampled data was used to validate, augment, and improve data collected and generated as part of this study.

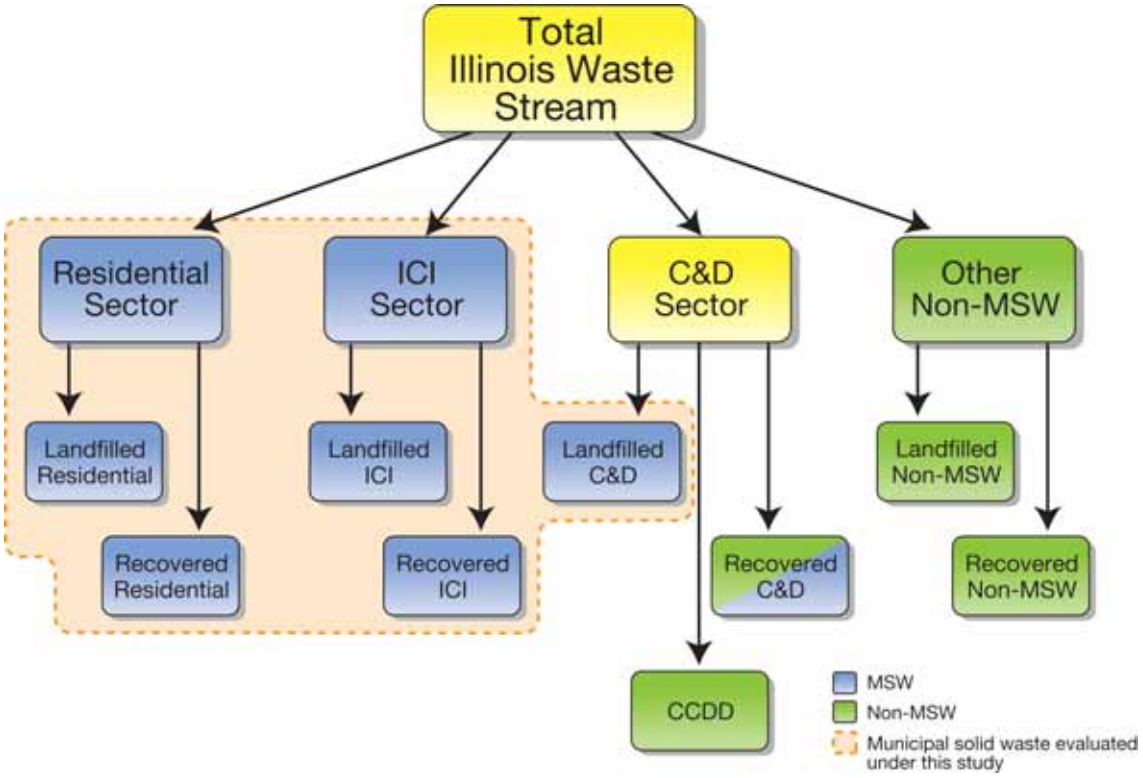
1.4 Defining the Waste Stream

For the purposes of the study, a waste sector is identified by the particular generation characteristics that make it a unique portion of the total waste stream. This study is limited to analysis of the statutory definition of municipal solid waste (MSW or municipal waste), which is defined by Illinois law as "garbage, general household, institutional and commercial waste, landscape waste and construction or demolition debris" as per 415 ILCS 5/3.290 (see Figure 1-1). As a note, in this report the terms municipal waste and MSW are used interchangeably. Based on the definition of MSW several waste sectors were not considered as part of this study, specifically the following materials were excluded:

- Special waste which includes any of the following per 415 ILCS 5/3.475:
  - potentially infectious medical waste;
  - hazardous waste;
  - industrial process waste or pollution control waste. (415 ILCS 5/3.235)
- Clean construction or demolition debris (CCDD) is not considered a "waste" if it is separated or processed and returned to the economic mainstream as raw materials or used as fill material (415 ILCS 5/3.160), with the exception of CCDD materials within the definition that are disposed at MSW landfills; and
- Diverted C&D materials.

In the State of Illinois, clean construction or demolition debris (CCDD) is not considered a "waste" if it is separated or processed and returned to the economic mainstream as raw materials or used as fill material (415 ILCS 5/3.160(a)). CCDD includes the following uncontaminated materials (415 ILCS 5/3.160(b)): broken concrete without protruding metal bars; bricks; rock; stone; reclaimed asphalt pavement; and dirt or sand generated from construction or demolition activities.

Figure 1-1. Illinois Municipal Solid Waste



This study examines the following distinct waste sectors for the State of Illinois:

1. Residential – waste generated by single and multifamily residences. This waste is primarily collected in packer trucks (e.g., side-loading or rear loading vehicles).

2. Industrial / Commercial / Institutional (ICI) – waste generated by fabricated manufacturing facilities, mills, and mines; various commercial, retail and wholesale businesses; and institutions. This waste is collected in a variety of vehicles including loose and compactor drop boxes, rear-loading and front-end loading trucks.

3. Construction and Demolition (C&D) – waste generated from new construction, renovation activities, or demolition. This waste is collected in vehicles such as dump trucks, loose roll-off boxes, and end dump vehicles. As noted above, CCDD and diverted C&D were not considered as part of this study except those materials disposed at MSW landfills.

In addition to separating the Illinois MSW into the above waste sectors, the Illinois residential and ICI MSW was further evaluated at the rural and urban subsector level to provide additional planning information. The U.S. Department of Agriculture assigns each county a rural-urban continuum code (RUC), which identifies it as a metropolitan or nonmetropolitan county (Figure 1-2).[1] A metropolitan area is defined

by the federal Office of Management and Budget as a core area with a city of 50,000 or more inhabitants, plus adjacent communities having a high degree of economic and social integration with that core or an Urbanized Area (UA) and a total population of at least 100,000. The county or counties containing the largest city and surrounding densely settled territory are central counties of the metropolitan area. A non-metro area is any area located outside of the metropolitan areas as defined above.

The RUC codes classify metropolitan (i.e., urban) counties with codes 1 through 3 and nonmetropolitan (i.e., rural) counties with codes 4 through 9. This same distribution was assumed for the urban / rural split in this report. The rural and urban county definitions below mirror the U.S. Department of Agriculture definitions of metropolitan and nonmetropolitan counties.

1. Urban – waste generated by metropolitan counties as identified by the Census Rural-Urban Continuum (RUC) Codes number 1 through 3.[4]

2. Rural - waste generated by nonmetropolitan counties as identified by the Census RUC Codes 4 through 9.[1]

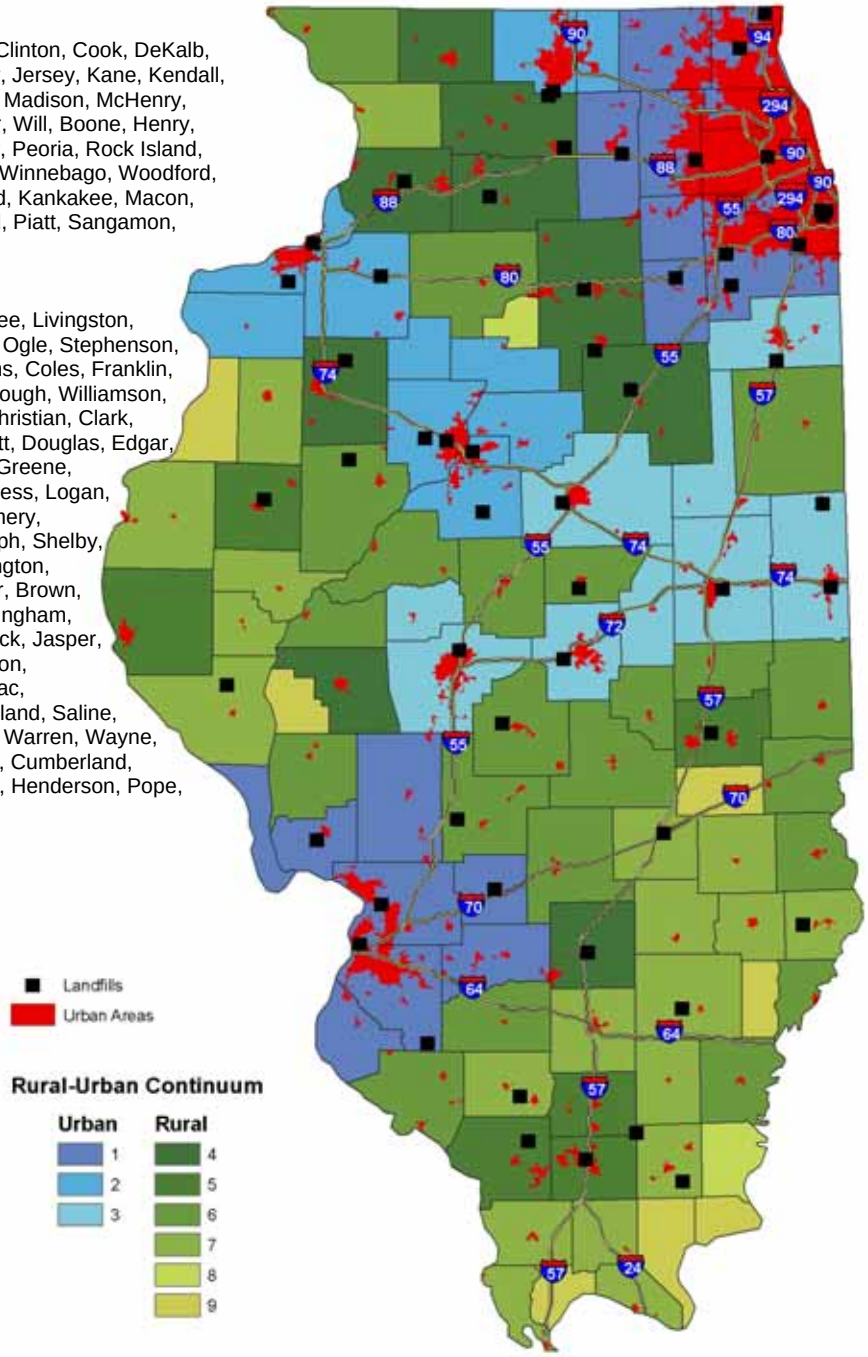
The following sections and appendices provide a detailed discussion of the tasks conducted to meet the goals and objectives of this study.

[4] U.S. Department of Agriculture. Economic Research Center.
http: / / www.ers.usda.gov / Data / Population / PopList.asp?ST=IL&LongName=Illinois

Figure 1-2. Urban and Rural Counties within Illinois

Urban Counties
Bond, Calhoun, Clinton, Cook, DeKalb, DuPage, Grundy, Jersey, Kane, Kendall, Lake, Macoupin, Madison, McHenry, Monroe, St. Clair, Will, Boone, Henry, Marshall, Mercer, Peoria, Rock Island, Stark, Tazewell, Winnebago, Woodford, Champaign, Ford, Kankakee, Macon, McLean, Menard, Piatt, Sangamon, Vermilion.

Rural Counties
Knox, LaSalle, Lee, Livingston, Marion, Morgan, Ogle, Stephenson, Whiteside, Adams, Coles, Franklin, Jackson, McDonough, Williamson, Bureau, Cass, Christian, Clark, Crawford, De Witt, Douglas, Edgar, Fayette, Fulton, Greene, Iroquois, Jo Daviess, Logan, Mason, Montgomery, Moultrie, Randolph, Shelby, Wabash, Washington, White, Alexander, Brown, Carroll, Clay, Effingham, Hamilton, Hancock, Jasper, Jefferson, Johnson, Lawrence, Massac, Perry, Pike, Richland, Saline, Schuyler, Union, Warren, Wayne, Gallatin, Putnam, Cumberland, Edwards, Hardin, Henderson, Pope, Pulaski, Scott.



Source:
Landfill locations provided by the Illinois EPA report *Nonhazardous Solid Waste Management and Landfill Capacity in Illinois: 2007.*
Urban Areas and the Rural –Urban county designations provided by U.S. Census Bureau. Population Division. December 27, 2007.

Section 2
MSW Characterization

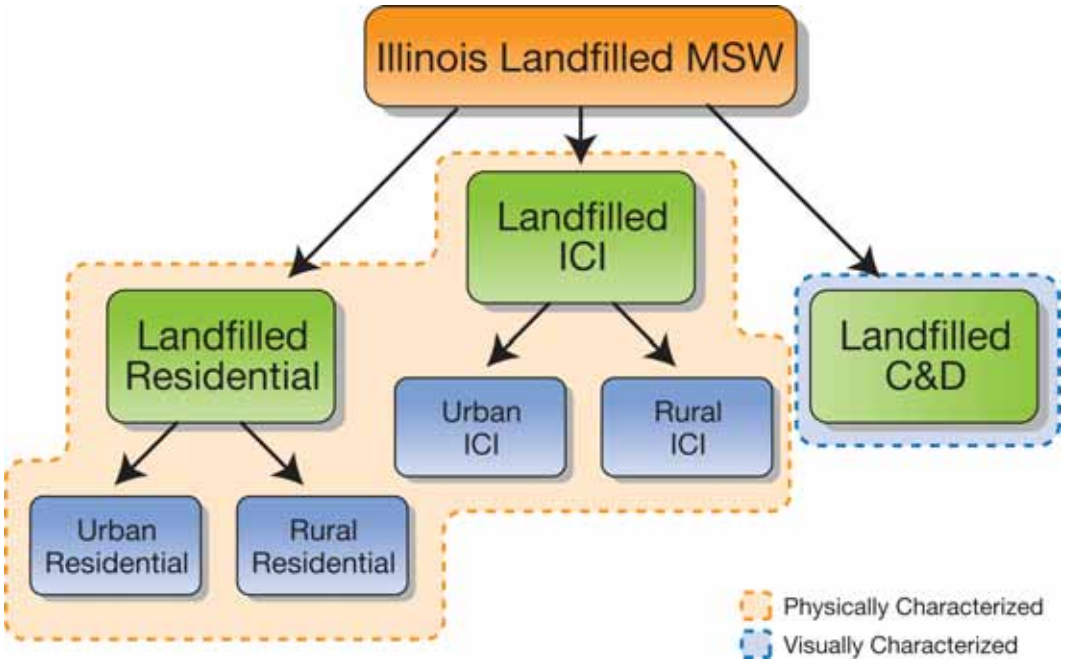
2.1 Purpose

This section develops MSW composition and quantification estimates for the residential, ICI and C&D sectors of MSW originating within the State of Illinois. All of the results in this section are for materials found to be landfilled; landfilled means disposed in landfills or destined for landfills (for data obtained from transfer stations). These composition and quantification estimates are later compared to the MSW generation estimates, developed in Section 3, to provide an estimate of the recovery efforts in the State of Illinois.

The following sections discuss the methodology used to obtain representative MSW composition estimates. This includes the study parameters, the number and allocation of samples, the solid waste facilities where sampling activities were conducted, and the basis for selecting waste samples.

Overall, CDM conducted sampling at 19 solid waste facilities, 17 landfills and 2 transfer stations (TS), over 20 days between October 2, 2008 and November 14, 2008. A total of 172 waste samples from the Residential and ICI waste sector were hand-sorted and "physically" characterized and 150 samples from the C&D waste sector were visually characterized. Due to the bulky nature of C&D materials, visual characterization of entire vehicles was used as it is considered by the industry to yield more accurate results. This approach is depicted in Figure 2-1.

Figure 2-1. Illinois MSW Characterization



2.2 Methodology

This section presents a summary of the data collection methods and calculation procedures used in this study. A copy of the approved sampling plan can be found in **Appendix A.**

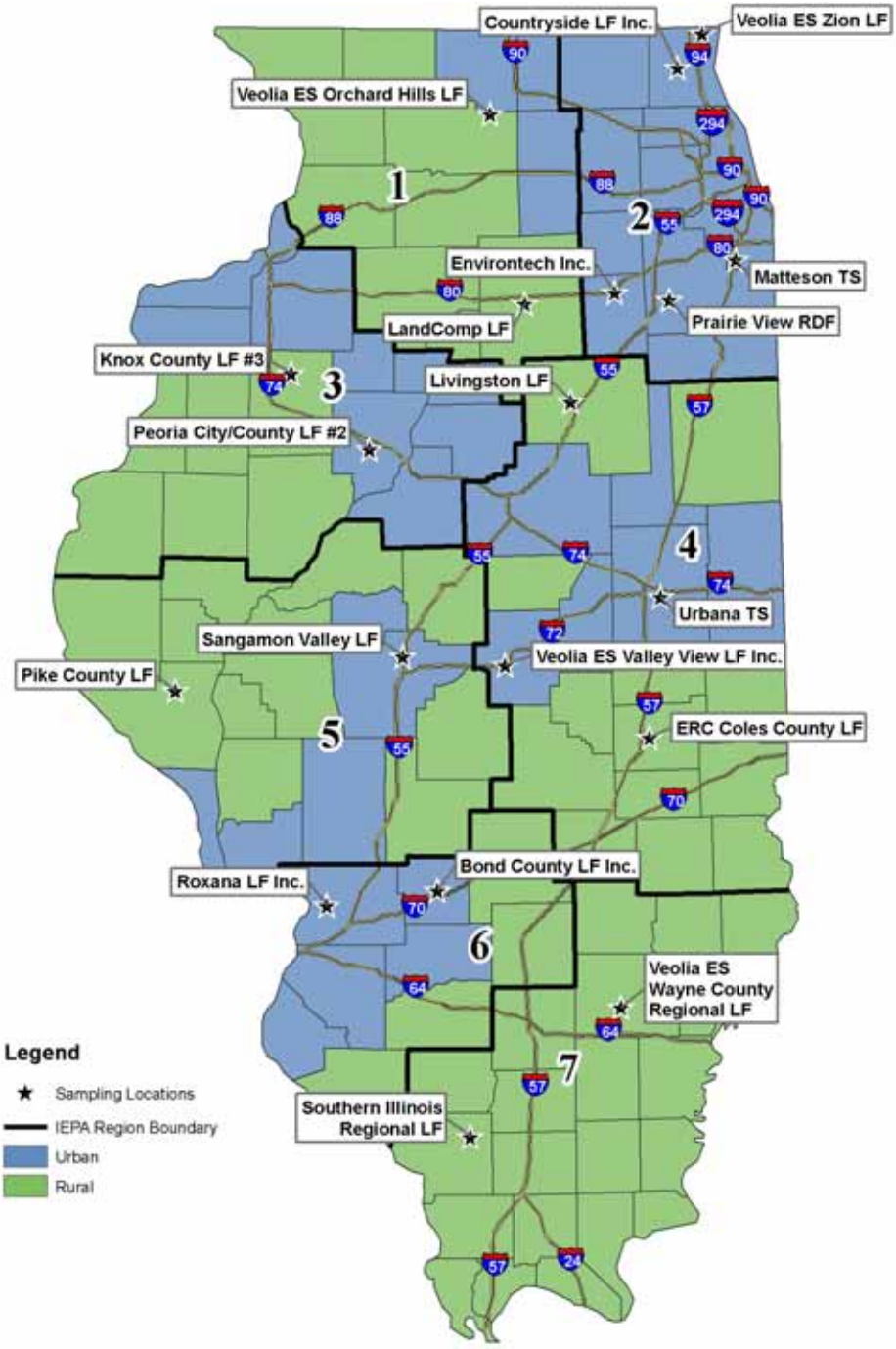
2.2.1 Sample Allocation

To ensure that samples were representative of Illinois' statewide waste stream, sampling was conducted 19 disposal facilities located throughout Illinois. Disposal locations were distributed in both rural and urban counties of Illinois, as shown on Figure 2-2 and listed in Table 2-1, to provide data for urban and rural MSW sectors.

Table 2-1. Sampling Locations

IEPA Region	Landfill/ Transfer Station (TS)	City (County)	Operator	Sampling Dat
1	Landcomp	Ottawa(LaSalle)	Allied Waste Services	10/02/2008
	Veolia ES Orchard (Orchard Hills)	Davis Junction (Ogle)	Veolia Environmental Services	11/06/2008
2	Environtech	Morris (Grundy)	Allied Waste Services	10/07/2008
	Matteson TS	Matteson (Cook)	Land and Lakes Co	10/08/2008
	Prairie View	Wilmington (Will County)	Waste Management	10/09/2008
	Veolia ES Zion Landfill	Zion (Lake)	Veolia Environmental Services	11/03/2008 11/04/2008
	Countryside	Grayslake (Lake)	Waste Management	11/05/2008
3	Peoria City/ County	Brimfield (Peoria)	Waste Management	10/15/2008
	Knox County 3	Oneida (Knox)	Knox County Landfill Committee	10/16/2008
4	Livingston	Pontiac (Livingston)	Allied Waste Services	10/14/2008
	ERC Coles County	Charleston (Coles)	Environmental Reclamation Co (Allied)	10/21/2008
	Veolia ES Valley View Landfill Inc.	Decatur (Macon)	Veolia Environmental Services	10/22/2008
	Urbana TS	Urbana (Champaign)	Allied Waste Services	10/23/2008
5	Sangamon Valley	Springfield (Sangamon)	Allied Waste Services	10/20/2008
	Pike County	Baylis (Pike)	Pike County Landfill Inc.	11/14/2008
6	Roxana	Roxana (Madison)	Allied Waste Services	10/27/2008
	Bond County	Greenville (Bond)	Allied Waste Services	10/30/2008
7	So. IL Regional	DeSoto (Jackson)	Southern Illinois Regional Landfill Inc.	10/28/2008
	Veolia ES Wayne County Landfill	Fairfield (Wayne)	Veolia Environmental Services	10/29/2008

Figure 2-2. Sample Location Map



At each sampling location (landfill or transfer station), both physical and visual characterizations of samples were performed. The total number of samples conducted at each site was maximized to the extent possible with the allocated field staff; however, the number varied based on the number of C&D loads available that particular day, site conditions, site staff assistance, weather conditions, the time that loads were delivered to the site, and a number of other factors. Samples collected as

part of the MSW characterization sampling were generally allocated equally between the residential and ICI sectors, corresponding to the approximate ratio of disposed quantities for each sector. The number of C&D visual characterization samples was maximized based on the number of samples that could be completed at each facility, which was influenced mostly by the number of loads disposed that day.

A total of 315 samples (172 statewide and 143 from Chicago) were physically sorted from the residential and ICI sectors and 150 source separated C&D loads statewide were visually characterized to develop the waste composition profiles provided in this section. The City of Chicago was not sampled directly during this study; however, samples from a separate waste characterization study conducted by the Chicago Department of Environment (CDOE) were used to develop a comprehensive MSW composition. The data available from the Summer / Fall 2008 portion of the CDOE study were used to represent the Chicago area waste stream and incorporated into the Illinois report with permission by CDOE. The Chicago samples were collected and sorted using the same methods as this study.

Table 2-2 summarizes the samples that were used to determine the landfilled MSW composition. A total of 172 waste samples were collected from the residential and commercial waste sectors as part of the Illinois study. Of the 172 samples collected, 96 (56%) were samples of commercial waste, and 76 (44%) were samples of residential waste, of those samples a total of 109 (63%) were samples from urban areas and 63 (37%) were samples from rural areas. A total of 143 samples, 93 (65%) residential and 50 (35%) ICI, were used from the CDOE study. The Chicago samples were also considered as part of the urban MSW sector.

Table 2-2. Number of Samples by Waste Sector

Sampling Group	Sample Count		Total Sample Wt.	Mean Sample Wt.
	No.	%	(pounds)	
Residential	169	100%	40,103	237.3
Urban-State	*45*	*26.6%*	*11,364*	*252.5*
Urban-Chicago	*93*	*55.0%*	*21,189*	*227.8*
Rural-State	*31*	*18.3%*	*7,550*	*243.6*
ICI	146	100%	38,793	265.7
Urban-State	*64*	*43.8%*	*15,777*	*246.5*
Urban-Chicago	*50*	*34.2%*	*15,117*	*302.3*
Rural-State	*32*	*21.9%*	*7,899*	*246.8*
Total Res./ICI - State	*172*	*54.6%*	*42,591 (21.3 tons)*	*247.6*
Total Res./ICI - Chicago	*143*	*45.4%*	*36,307 (18.2 tons)*	*253.9*
Total Res./ICI	**315**	**100%**	**78,897 (39.5 tons)**	**250.5**
C&D – State	**150**		**705 tons**	**4.7 tons**

2.2.2 Sampling Plan

CDM contacted the 19 facilities for permission to sample at the facilities identified above and to coordinate with the site managers. CDM requested information for each of the 19 selected disposal facilities to determine the relative mix of waste sectors that are disposed at each facility. From this information, CDM constructed a sampling plan for the selection of vehicles at each facility. The sampling plan was developed to comply with the industry standards for conducting waste characterization studies and the American Society for Testing and Materials (ASTM) standard D5231 for samples size (provided in Appendix A). All work was completed in general accordance with the approved sampling plan.

2.2.3 Data Collection Procedures

Scale house personnel were employed to assist CDM in the selection of samples and in the gatehouse surveys that were used to determine the mix of waste disposed in Illinois. Selected vehicles were tipped in a designated location and samples were collected from a randomly selected portion of each tipped pile. The samples consisted of approximately 200 to 300 pounds of waste were then sorted into 10 material classes; Paper, Beverage Containers, Plastics, Glass, Metals, Organics, C&D, Inorganics, Household Hazardous Waste (HHW), and Textiles. Materials within these classes were further separated into 79 individual material categories (definitions are provided in **Appendix A**):

1. **Paper** – Newsprint, High Grade Office Paper, Magazines / Catalogs, Uncoated OCC / Kraft, Boxboard, Mixed Paper - Recyclable, Compostable Paper, Other Paper;

2. **Beverage Containers** - Milk And Juice Cartons / Boxes, Coated;

3. **Plastics** - #1 Pet Bottles / Jars, #1 Other Pet Containers & Packaging, #2 HDPE Bottles / Jars – Clear, #2 HDPE Bottles / Jars – Color, #2 Other HDPE Containers & Packaging, #6 Expanded Polystyrene Packaging (EPS), #3-#7 Other – All, Other Rigid Plastic Products, Grocery & Merchandise Bags, Trash Bags, Commercial & Industrial Film, Other Film, Remainder / Composite Plastic;

4. **Glass** - Recyclable Glass Bottles And Jars, Flat Glass, Other Glass;

5. **Metals** - Aluminum Beverage Containers, Other Aluminum, HVACs Ducting, Ferrous Containers (Tin Cans), Other Ferrous, Other Non-Ferrous, Other Metal;

6. **Organics** - Yard Waste (Compostable), Yard Waste (Woody), Food Scraps, Bottom Fines And Dirt, Diapers, Other Organic;

7. **C&D** - Clean Dimensional Lumber, Clean Engineered Wood, Wood Pallets, Painted Wood, Treated Wood, Concrete, Reinforced Concrete, Asphalt Paving,

Rock & Other Aggregates, Bricks, Gypsum Board, Composition Shingles, Other Roofing, Plastic C&D Materials, Ceramics / Porcelain, Other C&D;

8. **Inorganics** – Televisions, Computer Monitors, Computer Equipment / Peripherals, Electronic Equipment, White Goods – Refrigerated, White Goods - Not Refrigerated, Lead-Acid Batteries, Other Household Batteries, Tires, Household Bulky Items, Fluorescent Lights / Ballasts;

9. **HHW** - Latex Paint, Oil Paint, Plant / Organism / Pest Control / Growth, Used Oil / Filters, Other Automotive Fluids, Mercury-Containing Items, Sharps & Infectious Waste, Ash, Sludge, & Other Industrial Processed Wastes, Sewage Solids, Other HHW; And

10. **Textiles** – Carpet, Carpet Padding, Clothing, Other Textiles.

After the samples were sorted each material category was weighed. Weight and load information associated with each sample were recorded on the *Hand Sort Characterization Form.*

2.2.4 Calculation Procedures

The overall approach to developing the waste composition estimates in this report was to calculate the percent composition of each material in the waste sectors as outlined in the Sampling Plan provided in **Appendix A**.

All composition results presented in this report were calculated at a 90% confidence interval. This means that there is a 90% probability that the material is between the mean percentage value plus or minus the confidence interval. For example, there is a 90% probability that the overall Illinois MSW composition of newsprint is between 2.84% and 3.36% (3.1% plus or minus 0.26%).

2.3 MSW Physical Characterization Results

The MSW physical characterization results incorporate the sample results from both this study and the first season of the CDOE waste characterization study. Table 2-2 summarizes the sample information for each of the study's sampling groups and sectors. The goal for this study was to physically characterize 200 samples with a sample size of between 200 and 300 lbs (ASTM D5231). A total of 172 waste samples were selected and hand sorted at 19 locations throughout the State of Illinois between October and November 2008. The samples sizes were within the sample plan goals; however, the number of samples sorted was less than the goal due to several field conditions including limited number of samples available, weather conditions and landfill hours of operation. The average sample weight for the 172 Illinois samples was 248 pounds. A total of 42,600 pounds of MSW was physically sorted and classified during the Illinois study. A total of 143 waste samples were collected from Chicago disposal facilities and hand sorted between August and September 2008 for the first season of the CDOE study. The average sample weight for the 143 Chicago

samples was approximately 254 pounds, with a total of 36,300 pounds of MSW physically sorted.

In the following sections, the landfilled MSW composition results are presented for the ICI and residential waste sectors, as well as for the urban and rural waste sectors. The landfilled MSW composition was determined by combining the sample results from both the statewide samples collected through this study and the Chicago (CDOE Study) samples. The number of samples from Chicago accounts for approximately 45% of the total number of samples; however, Chicago's actual percentage of the Illinois population is approximately 22%. Because this is a disproportionate number of samples, the Chicago samples were weighted using the ratio of the Chicago population to the total Illinois population using 2007 Census data.[5] The landfilled urban MSW composition was calculated by weighting the Chicago samples in a similar manner. The equation used for weighting samples is provided in the sampling plan (**Appendix A**). This equation was also used for calculating the combined residential/ICI composition byusing the ratio of residential to ICI MSW determined by the gatehouse surveys (Section 2.5).

Each composition profile is presented as follows:

- A pie chart depicting the ten material classes by weight (i.e., Paper, Plastic, Beverage Containers, Organics, Textiles, Glass, C&D, Metal, Inorganics, And HHW);
- A list of the ten largest material categories by weight (e.g., Food Scraps, High Grade Office Paper, Televisions, etc.);
- A comprehensive table detailing the full composition results for the entire 79 material categories.

2.3.1 Landfilled Residential MSW Composition

Figure 2-3 shows the percentage, by weight, of each of the ten material classes for the landfilled residential MSW sector. Organics, Paper, and Plastics classes account for over 64% (25.7%, 23.6% and 15.2% respectively) of the landfilled MSW for this sector.

[5] U.S. Census Bureau. Population Division. Table 1: Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2007. INST-EST2007-01. December 27, 2007. Illinois resident population of 12,852,548 in 2007.

Figure 2-3. Composition of Landfilled Residential MSW by Material Class

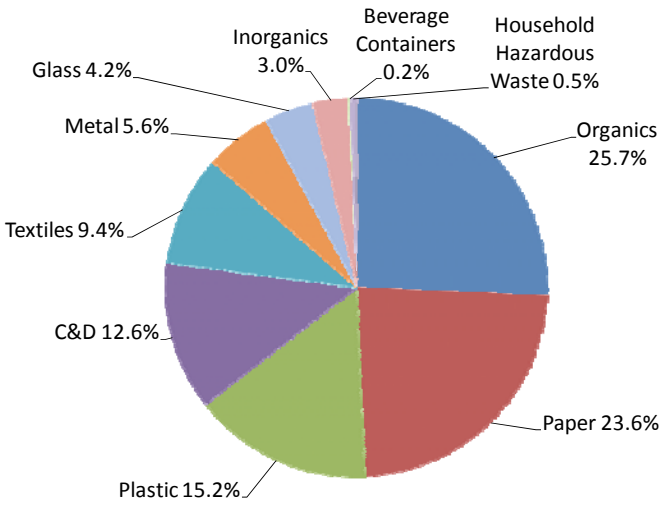


Table 2-3 lists the top ten material categories that were found in the landfilled residential MSW sector. These ten categories account for approximately 50% of landfilled residential MSW. Food scraps, Uncoated OCC/Kraft and Newsprint material categories account for over 24% (14.6%, 5.6% and 4.2% respectively) of landfilled residential MSW.

Table 2-3. Top Ten Individual Material Categories in Landfilled Residential MSW

Category	Waste Composition %	Cum. %
Food Scraps	14.6%	14.6%
Uncoated OCC/Kraft	5.6%	20.2%
Newsprint	4.2%	24.4%
Compostable Paper	4.1%	28.5%
Other Rigid Plastic Products	3.9%	32.4%
Mixed Paper - Recyclable	3.8%	36.2%
Other Textiles	3.6%	39.9%
Diapers	3.6%	43.4%
Other Organic	3.3%	46.8%
Treated Wood	3.1%	49.9%
Total	**49.9%**	

Table 2-4 provides a composition profile of landfilled residential MSW.

Table 2-4. Composition Profile of Landfilled Residential MSW

Calculated at a 90% confidence level

	Mean	+/-
Paper	**23.6%**	**2.20%**
Newsprint	4.2%	0.58%
High Grade Office Paper	0.5%	0.28%
Magazines/Catalogs	1.9%	0.62%
Uncoated OCC/Kraft	5.6%	1.01%
Boxboard	2.3%	0.33%
Mixed Paper - Recyclable	3.8%	0.48%
Compostable Paper	4.1%	0.46%
Other Paper	1.2%	0.38%
Beverage Containers	**0.2%**	**0.04%**
Milk & Juice Cartons/Boxes - Coated	0.2%	0.04%
Plastic	**15.2%**	**1.92%**
#1 PET Bottles/Jars	1.4%	0.20%
#1 Other PET Containers	0.1%	0.05%
#2 HDPE Bottles/Jars - Clear	0.6%	0.09%
#2 HDPE Bottles/Jars - Color	0.7%	0.11%
#2 Other HDPE Containers	0.1%	0.06%
#6 Exp. Polystyrene Packaging	0.8%	0.09%
#3-#7 Other - All	1.1%	0.17%
Other Rigid Plastic Products	3.9%	1.27%
Grocery & Merchandise Bags	0.9%	0.10%
Trash Bags	1.2%	0.16%
Commercial & Industrial Film	0.4%	0.19%
Other Film	1.6%	0.26%
Other Plastic	2.3%	1.38%
Glass	**4.2%**	**0.56%**
Recyclable Glass Bottles & Jars	3.9%	0.51%
Flat Glass	0.2%	0.30%
Other Glass	0.1%	0.05%
Metal	**5.6%**	**1.65%**
Aluminum Beverage Containers	0.5%	0.09%
Other Aluminum	0.5%	0.27%
HVAC Ducting	0.1%	0.08%
Ferrous Containers (Tin Cans)	1.4%	0.22%
Other Ferrous	2.2%	1.44%
Other Non-Ferrous	0.3%	0.25%
Other Metal	0.6%	0.43%
Organics	**25.7%**	**2.46%**
Yard Waste - Compostable	2.2%	0.38%
Yard Waste - Woody	0.9%	0.64%
Food Scraps	14.6%	1.71%
Bottom Fines & Dirt	1.1%	0.39%
Diapers	3.6%	0.98%
Other Organic	3.3%	0.98%

	Mean	+/-
Inorganics	**3.0%**	**1.36%**
Televisions	0.0%	0.00%
Computer Monitors	0.2%	0.30%
Computer Equipment/Peripherals	0.1%	0.16%
Electronic Equipment	1.2%	0.54%
White Goods - Refrigerated	0.0%	0.00%
White Goods - Not refrigerated	0.0%	0.00%
Lead-acid Batteries	0.0%	0.01%
Other Household Batteries	0.1%	0.04%
Tires	0.2%	0.20%
Household Bulky Items	1.3%	1.25%
Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles	**9.4%**	**2.36%**
Carpet	2.5%	1.61%
Carpet Padding	0.3%	0.25%
Clothing	3.0%	0.67%
Other Textiles	3.6%	1.39%
Household Hazardous Waste	**0.5%**	**0.19%**
Latex Paint	0.2%	0.13%
Oil Paint	0.0%	0.05%
Plant/Organism/Pest Control/Growth	0.0%	0.00%
Used Oil/Filters	0.1%	0.06%
Other Automotive Fluids	0.0%	0.00%
Mercury-Containing Items	0.0%	0.00%
Sharps & Infectious Waste	0.0%	0.00%
Ash, Sludge, & Industrial Wastes	0.0%	0.00%
Sewage Solids	0.0%	0.00%
Other HHW	0.2%	0.11%
C&D	**12.6%**	**4.36%**
Clean Dimensional Lumber	0.8%	0.40%
Clean Engineered Wood	1.3%	0.73%
Wood Pallets	0.2%	0.35%
Painted Wood	1.7%	0.77%
Treated Wood	3.1%	1.58%
Concrete	0.2%	0.09%
Reinforced Concrete	0.0%	0.00%
Asphalt Paving	0.0%	0.00%
Rock & Other Aggregates	0.2%	0.23%
Bricks	0.2%	0.21%
Gypsum Board	1.7%	1.69%
Composition Shingles	0.5%	0.45%
Other Roofing	0.2%	0.01%
Plastic C&D Materials	0.1%	0.09%
Ceramics/Porcelain	1.9%	2.08%
Other C&D	0.7%	0.75%
Total Percentage	100.0%	

2.3.2 Landfilled ICI MSW Composition

Figure 2-4 shows the percentage, by weight, of each of the ten material classes for the landfilled ICI MSW sector. Paper, C&D, and Organics classes account for over 70% (28.2%, 23.1% and 18.8% respectively) of the landfilled MSW for this sector.

Figure 2-4. Composition of Landfilled ICI MSW by Material Class

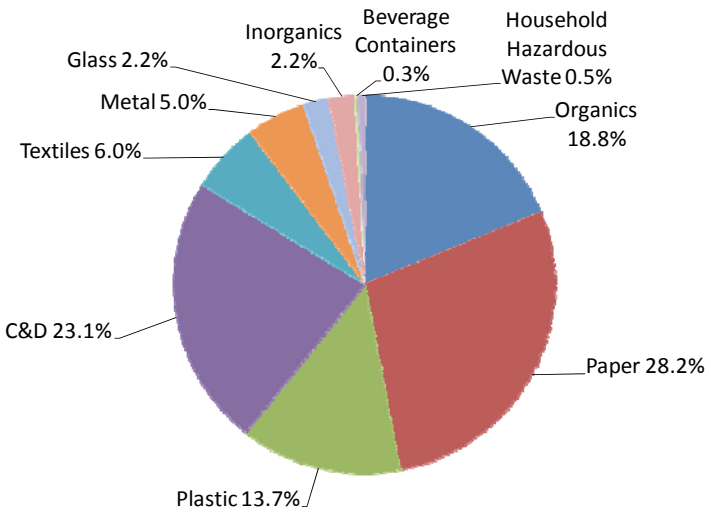


Table 2-5 lists the top ten material categories that were found in the landfilled ICI MSW sector. These ten categories account for over approximately 50% of landfilled ICI MSW. Uncoated OCC/Kraft, Food Scraps, and Gypsum Board material categories account for over 31% (16.1%, 12.2% and 3.5% respectively) of landfilled ICI MSW.

Table 2-5. Top Ten Individual Material Categories in Landfilled ICI MSW

Category	Waste Composition %	Cum. %
Uncoated OCC/Kraft	16.1%	16.1%
Food Scraps	12.2%	28.3%
Gypsum Board	3.5%	31.7%
Other Rigid Plastic Products	3.4%	35.1%
Clean Engineered Wood	3.0%	38.1%
Treated Wood	2.9%	41.0%
Commercial & Industrial Film	2.7%	43.7%
Compostable Paper	2.5%	46.2%
Other Organic	2.4%	48.5%
Composition Shingles	1.3%	49.8%
Total	**49.8%**	

Table 2-6 provides the composition profile of the landfilled ICI MSW sector.

Table 2-6. Composition Profile of Landfilled ICI MSW

Calculated at a 90% confidence level

	Mean	+/-
Paper	**28.2%**	**2.93%**
Newsprint	2.0%	0.3%
High Grade Office Paper	1.5%	0.4%
Magazines/Catalogs	1.7%	0.3%
Uncoated OCC/Kraft	16.1%	0.7%
Boxboard	1.3%	0.3%
Mixed Paper - Recyclable	2.4%	0.2%
Compostable Paper	2.5%	0.3%
Other Paper	0.8%	0.2%
Beverage Containers	**0.3%**	**0.15%**
Milk & Juice Cartons/Boxes - Coated	0.3%	0.1%
Plastic	**13.7%**	**2.11%**
#1 PET Bottles/Jars	0.7%	0.1%
#1 Other PET Containers	0.1%	0.0%
#2 HDPE Bottles/Jars - Clear	0.3%	0.1%
#2 HDPE Bottles/Jars - Color	0.6%	0.1%
#2 Other HDPE Containers	0.1%	0.1%
#6 Exp. Polystyrene Packaging	0.9%	0.1%
#3-#7 Other - All	0.6%	0.1%
Other Rigid Plastic Products	3.4%	0.3%
Grocery & Merchandise Bags	0.3%	0.0%
Trash Bags	1.2%	0.1%
Commercial & Industrial Film	2.7%	0.6%
Other Film	1.2%	0.3%
Other Plastic	1.6%	0.3%
Glass	**2.2%**	**0.46%**
Recyclable Glass Bottles & Jars	2.0%	0.2%
Flat Glass	0.1%	0.1%
Other Glass	0.0%	0.0%
Metal	**5.0%**	**1.42%**
Aluminum Beverage Containers	0.3%	0.0%
Other Aluminum	0.5%	0.1%
HVAC Ducting	0.0%	0.0%
Ferrous Containers (Tin Cans)	0.7%	0.1%
Other Ferrous	2.2%	0.4%
Other Non-Ferrous	0.2%	0.1%
Other Metal	1.1%	0.3%
Organics	**18.8%**	**3.43%**
Yard Waste - Compostable	0.8%	0.2%
Yard Waste - Woody	1.8%	0.2%
Food Scraps	12.2%	1.2%
Bottom Fines & Dirt	0.8%	0.1%
Diapers	0.9%	0.2%
Other Organic	2.4%	0.7%

	Mean	+/-
Inorganics	**2.2%**	**1.33%**
Televisions	0.0%	0.0%
Computer Monitors	0.2%	0.2%
Computer Equipment/Peripherals	0.4%	0.1%
Electronic Equipment	0.7%	0.3%
White Goods - Refrigerated	0.0%	0.0%
White Goods - Not refrigerated	0.0%	0.1%
Lead-acid Batteries	0.0%	0.0%
Other Household Batteries	0.0%	0.0%
Tires	0.3%	0.1%
Household Bulky Items	0.6%	0.3%
Fluorescent Lights/Ballasts	0.0%	0.0%
Textiles	**6.0%**	**1.40%**
Carpet	1.1%	0.3%
Carpet Padding	0.2%	0.2%
Clothing	1.6%	0.2%
Other Textiles	3.1%	0.3%
Household Hazardous Waste	**0.5%**	**0.58%**
Latex Paint	0.0%	0.0%
Oil Paint	0.0%	0.0%
Plant/Organism/Pest Control/Growth	0.0%	0.0%
Used Oil/Filters	0.1%	0.1%
Other Automotive Fluids	0.0%	0.0%
Mercury-Containing Items	0.0%	0.0%
Sharps & Infectious Waste	0.0%	0.0%
Ash, Sludge, & Industrial Wastes	0.1%	0.1%
Sewage Solids	0.0%	0.0%
Other HHW	0.2%	0.2%
C&D	**23.1%**	**5.50%**
Clean Dimensional Lumber	3.5%	1.27%
Clean Engineered Wood	3.0%	1.94%
Wood Pallets	1.7%	1.60%
Painted Wood	1.8%	0.88%
Treated Wood	2.9%	2.31%
Concrete	2.7%	1.30%
Reinforced Concrete	0.1%	0.00%
Asphalt Paving	0.0%	0.00%
Rock & Other Aggregates	0.3%	0.06%
Bricks	0.6%	0.79%
Gypsum Board	3.5%	2.46%
Composition Shingles	1.3%	2.83%
Other Roofing	0.0%	0.00%
Plastic C&D Materials	0.2%	0.42%
Ceramics/Porcelain	0.3%	0.18%
Other C&D	1.3%	1.56%
Total Percentage	100.0%	

2.3.3 Landfilled Combined Residential/ICI MSW Composition

Figure 2-5 shows the percentage, by weight, of each of the ten material classes for the combined residential and ICI MSW sectors in Illinois. Paper, Organics, and C&D classes account for approximately 70% (26%, 22.2% and 18% respectively) of the landfilled combined residential / ICI MSW.

Figure 2-5. Composition of Landfilled Combined Residential/ICI MSW by Material Class

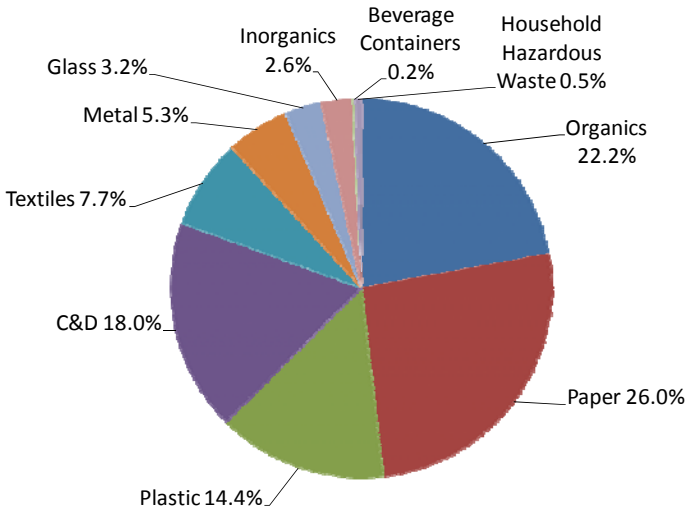


Table 2-7 lists the top ten material categories that were found in the landfilled combined residential / ICI MSW. These ten categories account for approximately 49% of landfilled combined residential / ICI MSW. Food Scraps, Uncoated OCC / Kraft and Other Rigid Plastic Products material categories account for approximately 28% (13.4%, 11%, and 3.7% respectively) of the landfilled combined residential / ICI MSW.

Table 2-7. Top Ten Individual Material Categories in Landfilled Combined Residential/ICI MSW

Category	Waste Composition %	Cum. %
Food Scraps	13.4%	13.4%
Uncoated OCC/Kraft	11.0%	24.4%
Other Rigid Plastic Products	3.7%	28.0%
Other Textiles	3.4%	31.4%
Compostable Paper	3.3%	34.7%
Newsprint	3.1%	37.7%
Mixed Paper - Recyclable	3.1%	40.8%
Treated Wood	3.0%	43.8%
Other Organic	2.8%	46.7%
Other Ferrous	2.2%	48.9%
Total	**48.9%**	

Table 2-8 provides the composition profile of the landfilled combined residential / ICI MSW.

Table 2-8. Composition Profile of Landfilled Residential/ICI MSW

Calculated at a 90% confidence level

	Mean	+/-
Paper	**25.97%**	**0.43%**
Newsprint	3.06%	0.16%
High Grade Office Paper	1.05%	0.13%
Magazines/Catalogs	1.76%	0.16%
Uncoated OCC/Kraft	10.97%	0.30%
Boxboard	1.78%	0.11%
Mixed Paper - Recyclable	3.05%	0.12%
Compostable Paper	3.30%	0.14%
Other Paper	0.99%	0.10%
Beverage Containers	**0.24%**	**0.02%**
Milk & Juice Cartons/Boxes - Coated	0.24%	0.02%
Plastic	**14.42%**	**0.50%**
#1 PET Bottles/Jars	1.07%	0.05%
#1 Other PET Containers	0.09%	0.01%
#2 HDPE Bottles/Jars - Clear	0.44%	0.03%
#2 HDPE Bottles/Jars - Color	0.64%	0.03%
#2 Other HDPE Containers	0.09%	0.02%
#6 Exp. Polystyrene Packaging	0.85%	0.03%
#3-#7 Other - All	0.86%	0.05%
Other Rigid Plastic Products	3.65%	0.31%
Grocery & Merchandise Bags	0.59%	0.02%
Trash Bags	1.21%	0.05%
Commercial & Industrial Film	1.58%	0.18%
Other Film	1.42%	0.10%
Other Plastic	1.94%	0.34%
Glass	**3.15%**	**0.14%**
Recyclable Glass Bottles & Jars	2.93%	0.13%
Flat Glass	0.16%	0.07%
Other Glass	0.06%	0.01%
Metal	**5.33%**	**0.42%**
Aluminum Beverage Containers	0.42%	0.02%
Other Aluminum	0.52%	0.07%
HVAC Ducting	0.03%	0.02%
Ferrous Containers (Tin Cans)	1.05%	0.06%
Other Ferrous	2.21%	0.36%
Other Non-Ferrous	0.24%	0.06%
Other Metal	0.86%	0.13%
Organics	**22.16%**	**0.68%**
Yard Waste - Compostable	1.46%	0.11%
Yard Waste - Woody	1.34%	0.16%
Food Scraps	13.39%	0.51%
Bottom Fines & Dirt	0.94%	0.10%
Diapers	2.19%	0.24%
Other Organic	2.84%	0.30%

	Mean	+/-
Inorganics	**2.6%**	**0.35%**
Televisions	0.0%	0.00%
Computer Monitors	0.2%	0.08%
Computer Equipment/Peripherals	0.2%	0.05%
Electronic Equipment	1.0%	0.16%
White Goods - Refrigerated	0.0%	0.00%
White Goods - Not refrigerated	0.0%	0.01%
Lead-acid Batteries	0.0%	0.00%
Other Household Batteries	0.0%	0.01%
Tires	0.2%	0.05%
Household Bulky Items	0.9%	0.31%
Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles	**7.7%**	**0.58%**
Carpet	1.7%	0.39%
Carpet Padding	0.3%	0.08%
Clothing	2.3%	0.16%
Other Textiles	3.4%	0.34%
Household Hazardous Waste	**0.5%**	**0.07%**
Latex Paint	0.1%	0.03%
Oil Paint	0.0%	0.01%
Plant/Organism/Pest Control/Growth	0.0%	0.00%
Used Oil/Filters	0.1%	0.02%
Other Automotive Fluids	0.0%	0.00%
Mercury-Containing Items	0.0%	0.00%
Sharps & Infectious Waste	0.0%	0.01%
Ash, Sludge, & Industrial Wastes	0.1%	0.04%
Sewage Solids	0.0%	0.00%
Other HHW	0.2%	0.05%
C&D	**18.0%**	**1.17%**
Clean Dimensional Lumber	2.2%	0.16%
Clean Engineered Wood	2.1%	0.26%
Wood Pallets	1.0%	0.18%
Painted Wood	1.7%	0.20%
Treated Wood	3.0%	0.44%
Concrete	1.5%	0.14%
Reinforced Concrete	0.0%	0.00%
Asphalt Paving	0.0%	0.00%
Rock & Other Aggregates	0.3%	0.06%
Bricks	0.4%	0.09%
Gypsum Board	2.6%	0.47%
Composition Shingles	0.9%	0.31%
Other Roofing	0.1%	0.05%
Plastic C&D Materials	0.1%	0.05%
Ceramics/Porcelain	1.0%	0.49%
Other C&D	1.0%	0.24%
Total Percentage	100.0%	

2.3.4 Landfilled Urban MSW Composition

In determining the landfilled urban MSW composition for residential and ICI MSW sectors, the samples were identified based on the RUC code for the city / county that they were generated. Out of 315 samples, a total of 252 (80%) of the samples were collected from the urban MSW sector (143 (57%) from Chicago), 138 (55%) urban samples were collected from residential MSW and 114 (45%) urban samples were collected from ICI MSW. The samples from Chicago were weighted as described in the methodology sections of this report. The weight that the Chicago samples were given was based on the ratio of the Chicago population to the total Illinois Urban population using 2007 Census data.[6]

2.3.4.1 Landfilled Urban Residential MSW

Figure 2-6 shows the percentage, by weight, of each of the ten material classes for the landfilled urban residential MSW subsector. Organic, Paper, and C&D classes account for approximately 61% (25.5%, 21.9% and 14.5% respectively) of the landfilled MSW for this sector.

[6] U.S. Census Bureau. Population Division. Table 1: Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2007. INST-EST2007-01. December 27, 2007. Illinois resident population of 12,852,548 in 2007.

Figure 2-6. Composition of Landfilled Urban Residential MSW by Material Class

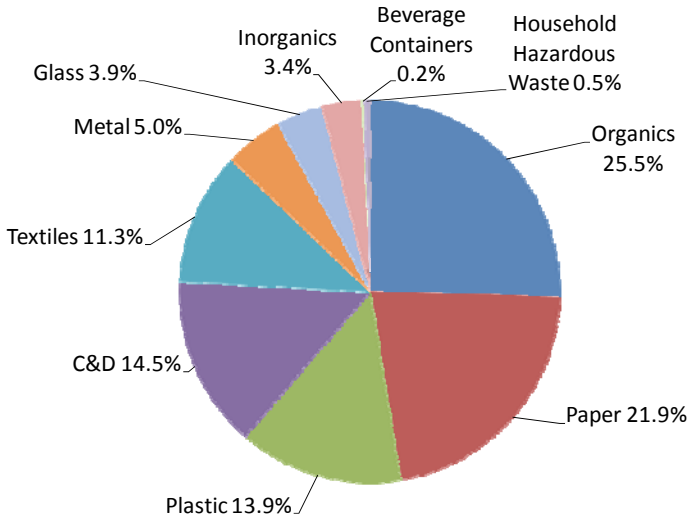


Table 2-9 lists the top ten material categories that were found in the landfilled urban residential MSW subsector. These ten categories account for over 51% of landfilled urban residential MSW. Food scraps, Uncoated OCC/Kraft, and Other Textiles material categories account for approximately 24% (14.5%, 5.2% and 4.5% respectively) of landfilled urban residential MSW.

Table 2-9. Top Ten Individual Material Categories in Landfilled Urban Residential MSW

Category	Waste Composition %	Cum. %
Food Scraps	14.5%	14.5%
Uncoated OCC/Kraft	5.2%	19.7%
Other Textiles	4.5%	24.3%
Treated Wood	4.4%	28.7%
Other Rigid Plastic Products	4.4%	33.1%
Compostable Paper	4.1%	37.2%
Newsprint	4.0%	41.2%
Clothing	3.5%	44.8%
Recyclable Glass Bottles & Jars	3.5%	48.3%
Mixed Paper	3.3%	51.6%
Total	**51.6%**	

Table 2-10 provides the composition profile of landfilled urban residential MSW.

Table 2-10. Composition Profile of Landfilled Urban Residential MSW

Calculated at a 90% confidence level

		Mean	+/-
Paper		**21.9%**	**1.61%**
	Newsprint	4.0%	0.42%
	High Grade Office Paper	0.4%	0.08%
	Magazines/Catalogs	1.9%	0.52%
	Uncoated OCC/Kraft	5.2%	0.67%
	Boxboard	2.0%	0.20%
	Mixed Paper - Recyclable	3.3%	0.32%
	Compostable Paper	4.1%	0.35%
	Other Paper	1.0%	0.13%
Beverage Containers		**0.2%**	**0.03%**
	Milk & Juice Cartons/Boxes - Coated	0.2%	0.03%
Plastic		**13.9%**	**1.15%**
	#1 PET Bottles/Jars	1.4%	0.14%
	#1 Other PET Containers	0.1%	0.03%
	#2 HDPE Bottles/Jars - Clear	0.5%	0.04%
	#2 HDPE Bottles/Jars - Color	0.6%	0.08%
	#2 Other HDPE Containers	0.1%	0.05%
	#6 Exp. Polystyrene Packaging	0.8%	0.07%
	#3-#7 Other - All	1.0%	0.11%
	Other Rigid Plastic Products	4.4%	1.09%
	Grocery & Merchandise Bags	0.8%	0.07%
	Trash Bags	1.0%	0.09%
	Commercial & Industrial Film	0.4%	0.12%
	Other Film	1.3%	0.12%
	Other Plastic	1.6%	0.39%
Glass		**3.9%**	**0.33%**
	Recyclable Glass Bottles & Jars	3.5%	0.23%
	Flat Glass	0.3%	0.27%
	Other Glass	0.1%	0.04%
Metal		**5.0%**	**0.79%**
	Aluminum Beverage Containers	0.6%	0.07%
	Other Aluminum	0.7%	0.24%
	HVAC Ducting	0.1%	0.07%
	Ferrous Containers (Tin Cans)	1.1%	0.13%
	Other Ferrous	1.6%	0.68%
	Other Non-Ferrous	0.4%	0.22%
	Other Metal	0.5%	0.31%
Organics		**25.5%**	**1.85%**
	Yard Waste - Compostable	2.5%	0.34%
	Yard Waste - Woody	1.2%	0.57%
	Food Scraps	14.5%	1.31%
	Bottom Fines & Dirt	0.9%	0.20%
	Diapers	3.3%	0.78%
	Other Organic	3.1%	0.56%

		Mean	+/-
Inorganics		**3.4%**	**1.11%**
	Televisions	0.0%	0.01%
	Computer Monitors	0.1%	0.18%
	Computer Equipment/Peripherals	0.1%	0.14%
	Electronic Equipment	1.1%	0.37%
	White Goods - Refrigerated	0.0%	0.00%
	White Goods - Not refrigerated	0.0%	0.00%
	Lead-acid Batteries	0.0%	0.01%
	Other Household Batteries	0.0%	0.01%
	Tires	0.1%	0.02%
	Household Bulky Items	1.8%	1.11%
	Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles		**11.3%**	**1.97%**
	Carpet	2.9%	1.36%
	Carpet Padding	0.3%	0.19%
	Clothing	3.5%	0.55%
	Other Textiles	4.5%	1.23%
Household Hazardous Waste		**0.5%**	**0.13%**
	Latex Paint	0.2%	0.09%
	Oil Paint	0.0%	0.04%
	Plant/Organism/Pest Control/Growth	0.0%	0.00%
	Used Oil/Filters	0.1%	0.05%
	Other Automotive Fluids	0.0%	0.00%
	Mercury-Containing Items	0.0%	0.00%
	Sharps & Infectious Waste	0.0%	0.00%
	Ash, Sludge, & Industrial Wastes	0.0%	0.00%
	Sewage Solids	0.0%	0.00%
	Other HHW	0.1%	0.04%
C&D		**14.5%**	**3.52%**
	Clean Dimensional Lumber	0.5%	0.13%
	Clean Engineered Wood	1.2%	0.50%
	Wood Pallets	0.3%	0.31%
	Painted Wood	1.9%	0.63%
	Treated Wood	4.4%	1.35%
	Concrete	0.2%	0.04%
	Reinforced Concrete	0.0%	0.00%
	Asphalt Paving	0.0%	0.00%
	Rock & Other Aggregates	0.1%	0.02%
	Bricks	0.3%	0.19%
	Gypsum Board	1.0%	0.46%
	Composition Shingles	0.7%	0.41%
	Other Roofing	0.3%	0.11%
	Plastic C&D Materials	0.1%	0.08%
	Ceramics/Porcelain	2.6%	1.86%
	Other C&D	1.0%	0.68%
Total Percentage		100.0%	

2.3.4.2 Landfilled Urban ICI MSW

Figure 2-7 shows the percentage, by weight, of each of the ten material classes for the landfilled urban ICI MSW subsector. Paper, C&D, and Organics classes account for approximately 80% (27.3%, 25.2% and 17.7% respectively) of the landfilled MSW for this subsector.

Figure 2-7. Composition of Landfilled Urban ICI MSW by Material Class

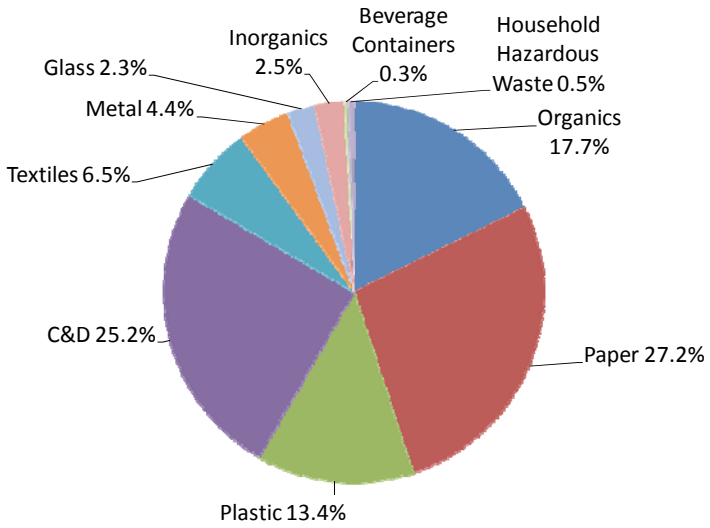


Table 2-11 lists the top ten material categories that were found in the landfilled urban ICI MSW subsector. These ten categories account for over 54% of the landfilled urban ICI MSW. Uncoated OCC/Kraft, Food Scraps, and Clean Dimensional Lumber material categories account for approximately 32% (16.1%, 11.7% and 3.8% respectively) of landfilled urban ICI MSW.

Table 2-11. Top Ten Individual Material Categories in Landfilled Urban ICI MSW

Category	Waste Composition %	Cum. %
Uncoated OCC/Kraft	16.1%	16.1%
Food Scraps	11.7%	27.9%
Clean Dimensional Lumber	3.8%	31.6%
Gypsum Board	3.6%	35.3%
Other Rigid Plastic Products	3.6%	38.9%
Clean Engineered Wood	3.5%	42.3%
Other Textiles	3.3%	45.7%
Treated Wood	3.2%	48.9%
Concrete	2.9%	51.8%
Mixed Paper	2.4%	54.2%
Total	**54.2%**	

Table 2-12 provides the composition profile of the landfilled urban ICI MSW sector.

Table 2-12. Composition Profile of Landfilled Urban ICI MSW

Calculated at a 90% confidence level

		Mean	+/-
Paper		**27.2%**	**1.18%**
	Newsprint	1.6%	0.15%
	High Grade Office Paper	1.6%	0.51%
	Magazines/Catalogs	1.5%	0.14%
	Uncoated OCC/Kraft	16.1%	0.62%
	Boxboard	0.8%	0.10%
	Mixed Paper - Recyclable	2.4%	0.20%
	Compostable Paper	2.2%	0.19%
	Other Paper	0.9%	0.24%
Beverage Containers		**0.3%**	**0.04%**
	Milk & Juice Cartons/Boxes - Coated	0.3%	0.04%
Plastic		**13.4%**	**0.91%**
	#1 PET Bottles/Jars	0.7%	0.07%
	#1 Other PET Containers	0.1%	0.02%
	#2 HDPE Bottles/Jars - Clear	0.3%	0.06%
	#2 HDPE Bottles/Jars - Color	0.6%	0.07%
	#2 Other HDPE Containers	0.1%	0.07%
	#6 Exp. Polystyrene Packaging	0.8%	0.07%
	#3-#7 Other - All	0.6%	0.07%
	Other Rigid Plastic Products	3.6%	0.39%
	Grocery & Merchandise Bags	0.3%	0.04%
	Trash Bags	1.2%	0.16%
	Commercial & Industrial Film	2.4%	0.71%
	Other Film	0.9%	0.11%
	Other Plastic	1.7%	0.43%
Glass		**2.3%**	**0.25%**
	Recyclable Glass Bottles & Jars	2.2%	0.24%
	Flat Glass	0.1%	0.05%
	Other Glass	0.0%	0.01%
Metal		**4.4%**	**0.45%**
	Aluminum Beverage Containers	0.3%	0.03%
	Other Aluminum	0.6%	0.17%
	HVAC Ducting	0.0%	0.01%
	Ferrous Containers (Tin Cans)	0.8%	0.12%
	Other Ferrous	1.8%	0.37%
	Other Non-Ferrous	0.2%	0.04%
	Other Metal	0.8%	0.11%
Organics		**17.7%**	**1.22%**
	Yard Waste - Compostable	0.7%	0.27%
	Yard Waste - Woody	2.0%	0.31%
	Food Scraps	11.7%	0.97%
	Bottom Fines & Dirt	0.8%	0.16%
	Diapers	0.8%	0.17%
	Other Organic	1.7%	0.37%

		Mean	+/-
Inorganics		**2.5%**	**0.62%**
	Televisions	0.0%	0.01%
	Computer Monitors	0.2%	0.16%
	Computer Equipment/Peripherals	0.4%	0.14%
	Electronic Equipment	0.8%	0.41%
	White Goods - Refrigerated	0.0%	0.00%
	White Goods - Not refrigerated	0.1%	0.07%
	Lead-acid Batteries	0.0%	0.00%
	Other Household Batteries	0.0%	0.02%
	Tires	0.3%	0.10%
	Household Bulky Items	0.7%	0.41%
	Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles		**6.5%**	**0.70%**
	Carpet	1.3%	0.39%
	Carpet Padding	0.3%	0.24%
	Clothing	1.6%	0.17%
	Other Textiles	3.3%	0.30%
Household Hazardous Waste		**0.5%**	**0.30%**
	Latex Paint	0.0%	0.03%
	Oil Paint	0.0%	0.00%
	Plant/Organism/Pest Control/Growth	0.0%	0.00%
	Used Oil/Filters	0.1%	0.02%
	Other Automotive Fluids	0.0%	0.01%
	Mercury-Containing Items	0.0%	0.00%
	Sharps & Infectious Waste	0.1%	0.05%
	Ash, Sludge, & Industrial Wastes	0.1%	0.18%
	Sewage Solids	0.0%	0.00%
	Other HHW	0.2%	0.22%
C&D		**25.2%**	**2.68%**
	Clean Dimensional Lumber	3.8%	0.60%
	Clean Engineered Wood	3.5%	0.96%
	Wood Pallets	2.1%	0.81%
	Painted Wood	1.8%	0.41%
	Treated Wood	3.2%	1.06%
	Concrete	2.9%	0.57%
	Reinforced Concrete	0.1%	0.00%
	Asphalt Paving	0.0%	0.00%
	Rock & Other Aggregates	0.4%	0.06%
	Bricks	0.7%	0.40%
	Gypsum Board	3.6%	1.06%
	Composition Shingles	1.6%	1.43%
	Other Roofing	0.0%	0.23%
	Plastic C&D Materials	0.3%	0.21%
	Ceramics/Porcelain	0.3%	0.10%
	Other C&D	1.0%	0.33%
Total Percentage		100.0%	

2.3.4.3 Landfilled Urban Residential/ICI MSW Composition

Figure 2-8 shows the percentage, by weight, of each of the ten material classes for the landfilled urban residential / ICI MSW sector. Paper, Organics, and C&D classes account for over 66% (24.7%, 21.5% and 20.0% respectively) of the landfilled MSW for this sector.

Figure 2-8. Composition of Landfilled Urban Residential/ICI MSW by Material Class

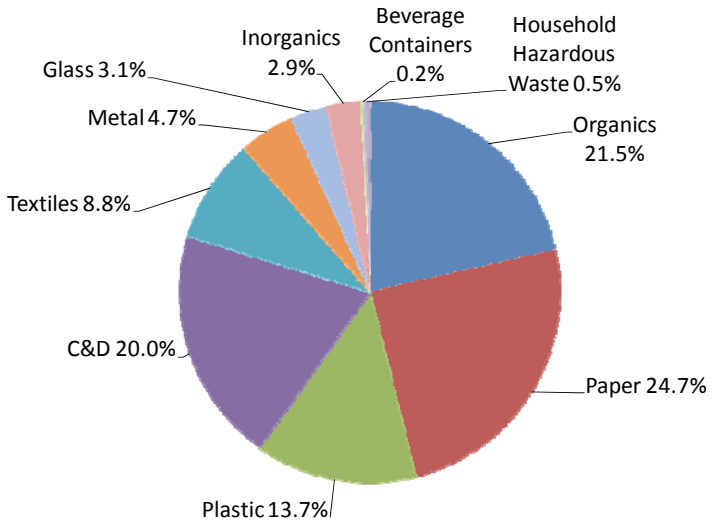


Table 2-13 lists the top ten material categories that were found in the landfilled urban residential / ICI MSW sector. These ten categories account for over 52% of landfilled urban MSW. Food scraps, Uncoated OCC / Kraft, and Other Rigid Plastic Products material categories account for over 28% (13.1%, 10.8% and 4.0% respectively) of landfilled urban residential / ICI MSW.

Table 2-13. Top Ten Individual Material Categories in Landfilled Urban Residential/ICI MSW

Category	Waste Composition %	Cum. %
Food Scraps	13.1%	13.1%
Uncoated OCC/Kraft	10.8%	23.9%
Other Rigid Plastic Products	4.0%	27.9%
Other Textiles	3.9%	31.8%
Treated Wood	3.8%	35.6%
Compostable Paper	3.1%	38.8%
Mixed Paper	2.9%	41.6%
Recyclable Glass Bottles & Jars	2.8%	44.5%
Newsprint	2.8%	47.3%
Clothing	2.5%	49.8%
Total	**49.8%**	

Table 2-14 provides the composition profile of landfilled urban residential / ICI MSW.

Table 2-14. Composition Profile of Landfilled Urban Residential/ICI MSW

Calculated at a 90% confidence level

	Mean	+/-
Paper	**24.7%**	**0.49%**
Newsprint	2.8%	0.11%
High Grade Office Paper	1.0%	0.14%
Magazines/Catalogs	1.7%	0.13%
Uncoated OCC/Kraft	10.8%	0.23%
Boxboard	1.4%	0.06%
Mixed Paper - Recyclable	2.9%	0.09%
Compostable Paper	3.1%	0.10%
Other Paper	0.9%	0.07%
Beverage Containers	**0.2%**	**0.01%**
Milk & Juice Cartons/Boxes - Coated	0.2%	0.01%
Plastic	**13.7%**	**0.36%**
#1 PET Bottles/Jars	1.0%	0.04%
#1 Other PET Containers	0.1%	0.01%
#2 HDPE Bottles/Jars - Clear	0.4%	0.02%
#2 HDPE Bottles/Jars - Color	0.6%	0.03%
#2 Other HDPE Containers	0.1%	0.02%
#6 Exp. Polystyrene Packaging	0.8%	0.03%
#3-#7 Other - All	0.8%	0.03%
Other Rigid Plastic Products	4.0%	0.28%
Grocery & Merchandise Bags	0.6%	0.02%
Trash Bags	1.1%	0.05%
Commercial & Industrial Film	1.4%	0.19%
Other Film	1.1%	0.04%
Other Plastic	1.7%	0.15%
Glass	**3.1%**	**0.10%**
Recyclable Glass Bottles & Jars	2.8%	0.08%
Flat Glass	0.2%	0.06%
Other Glass	0.1%	0.01%
Metal	**4.7%**	**0.22%**
Aluminum Beverage Containers	0.4%	0.02%
Other Aluminum	0.6%	0.07%
HVAC Ducting	0.0%	0.02%
Ferrous Containers (Tin Cans)	1.0%	0.05%
Other Ferrous	1.7%	0.19%
Other Non-Ferrous	0.3%	0.05%
Other Metal	0.7%	0.08%
Organics	**21.5%**	**0.54%**
Yard Waste - Compostable	1.6%	0.11%
Yard Waste - Woody	1.6%	0.16%
Food Scraps	13.1%	0.40%
Bottom Fines & Dirt	0.8%	0.06%
Diapers	2.0%	0.19%
Other Organic	2.3%	0.16%

	Mean	+/-
Inorganics	**2.9%**	**0.31%**
Televisions	0.0%	0.00%
Computer Monitors	0.2%	0.06%
Computer Equipment/Peripherals	0.3%	0.05%
Electronic Equipment	1.0%	0.14%
White Goods - Refrigerated	0.0%	0.00%
White Goods - Not refrigerated	0.0%	0.02%
Lead-acid Batteries	0.0%	0.00%
Other Household Batteries	0.0%	0.00%
Tires	0.2%	0.03%
Household Bulky Items	1.3%	0.28%
Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles	**8.8%**	**0.50%**
Carpet	2.1%	0.34%
Carpet Padding	0.3%	0.08%
Clothing	2.5%	0.14%
Other Textiles	3.9%	0.30%
Household Hazardous Waste	**0.5%**	**0.08%**
Latex Paint	0.1%	0.02%
Oil Paint	0.0%	0.01%
Plant/Organism/Pest Control/Growth	0.0%	0.00%
Used Oil/Filters	0.1%	0.01%
Other Automotive Fluids	0.0%	0.00%
Mercury-Containing Items	0.0%	0.00%
Sharps & Infectious Waste	0.0%	0.01%
Ash, Sludge, & Industrial Wastes	0.1%	0.05%
Sewage Solids	0.0%	0.00%
Other HHW	0.2%	0.06%
C&D	**20.0%**	**1.09%**
Clean Dimensional Lumber	2.2%	0.16%
Clean Engineered Wood	2.4%	0.28%
Wood Pallets	1.2%	0.23%
Painted Wood	1.8%	0.18%
Treated Wood	3.8%	0.42%
Concrete	1.6%	0.15%
Reinforced Concrete	0.0%	0.00%
Asphalt Paving	0.0%	0.00%
Rock & Other Aggregates	0.2%	0.02%
Bricks	0.5%	0.12%
Gypsum Board	2.3%	0.30%
Composition Shingles	1.2%	0.39%
Other Roofing	0.1%	0.06%
Plastic C&D Materials	0.2%	0.06%
Ceramics/Porcelain	1.4%	0.44%
Other C&D	1.0%	0.18%
Total Percentage	100.0%	

2.3.5 Landfilled Rural MSW Composition

In determining the landfilled rural MSW composition for the residential and ICI sectors, the samples were split based on the county that they were generated from and its RUC code. Out of 172 samples collected throughout the state, a total of 63 (37%) samples were collected from the rural MSW sector, 31 (49%) rural samples were collected from the rural residential MSW subsector and 32 (51%) rural samples were collected from the rural ICI MSW subsector.

2.3.5.1 Landfilled Rural Residential MSW

Figure 2-9 shows the percentage, by weight, of each of the ten material classes for the landfilled rural residential MSW subsector. Paper, Organics and Plastics classes account for approximately 70% (26.9%, 25.1% and 17.9% respectively) of the total MSW for this sector.

Figure 2-9. Composition of Landfilled Rural Residential MSW by Material Class

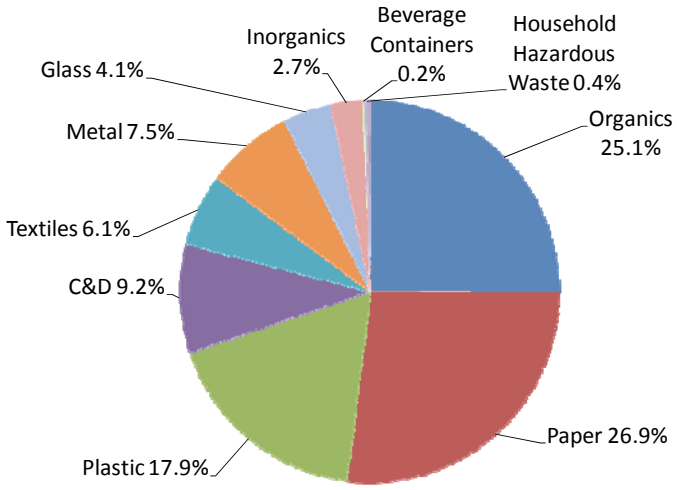


Table 2-15 lists the top ten material categories that were found in the landfilled rural residential MSW subsector. These ten categories account for over 60% of the landfilled rural residential MSW. Food Scraps, Uncoated OCC/Kraft, and Mixed Paper-Recyclable material categories account for approximately 25% (14.3%, 6.4% and 4.7% respectively) of the landfilled rural residential MSW.

Table 2-15. Top Ten Individual Material Categories in Landfilled Rural Residential MSW

Category	Waste Composition %	Cum. %
Food Scraps	14.3%	14.3%
Uncoated OCC/Kraft	6.4%	20.7%
Mixed Paper	4.7%	25.4%
Other Organic	4.4%	29.7%
Newsprint	4.3%	34.0%
Compostable Paper	4.2%	38.2%
Diapers	4.1%	42.3%
Other Ferrous	3.7%	46.0%
Other Rigid Plastic Products	3.3%	49.3%
Gypsum Board	3.1%	52.4%
Total	**52.4%**	

Table 2-16 provides the composition profile of landfilled rural residential MSW.

Table 2-16. Composition Profile of Landfilled Rural Residential MSW

Calculated at a 90% confidence level

	Mean	+/-
Paper	**26.9%**	**3.16%**
Newsprint	4.3%	0.87%
High Grade Office Paper	0.9%	0.67%
Magazines/Catalogs	1.9%	0.64%
Uncoated OCC/Kraft	6.4%	1.72%
Boxboard	3.0%	0.58%
Mixed Paper - Recyclable	4.7%	0.79%
Compostable Paper	4.2%	0.62%
Other Paper	1.7%	0.88%
Beverage Containers	**0.2%**	**0.07%**
Milk & Juice Cartons/Boxes - Coated	0.2%	0.07%
Plastic	**17.9%**	**3.59%**
#1 PET Bottles/Jars	1.5%	0.32%
#1 Other PET Containers	0.1%	0.09%
#2 HDPE Bottles/Jars - Clear	0.7%	0.18%
#2 HDPE Bottles/Jars - Color	0.7%	0.16%
#2 Other HDPE Containers	0.1%	0.08%
#6 Exp. Polystyrene Packaging	0.8%	0.13%
#3-#7 Other - All	1.4%	0.27%
Other Rigid Plastic Products	3.3%	1.03%
Grocery & Merchandise Bags	0.8%	0.15%
Trash Bags	1.6%	0.29%
Commercial & Industrial Film	0.4%	0.35%
Other Film	2.4%	0.48%
Other Plastic	4.0%	3.28%
Glass	**4.1%**	**1.05%**
Recyclable Glass Bottles & Jars	4.0%	1.06%
Flat Glass	0.0%	0.00%
Other Glass	0.1%	0.05%
Metal	**7.5%**	**3.53%**
Aluminum Beverage Containers	0.5%	0.14%
Other Aluminum	0.3%	0.13%
HVAC Ducting	0.0%	0.00%
Ferrous Containers (Tin Cans)	1.9%	0.39%
Other Ferrous	3.7%	3.06%
Other Non-Ferrous	0.1%	0.06%
Other Metal	0.9%	0.66%
Organics	**25.1%**	**3.62%**
Yard Waste - Compostable	0.6%	0.39%
Yard Waste - Woody	0.2%	0.17%
Food Scraps	14.3%	2.35%
Bottom Fines & Dirt	1.4%	0.82%
Diapers	4.1%	1.20%
Other Organic	4.4%	1.94%

	Mean	+/-
Inorganics	**2.7%**	**1.42%**
Televisions	0.0%	0.00%
Computer Monitors	0.4%	0.59%
Computer Equipment/Peripherals	0.0%	0.00%
Electronic Equipment	1.5%	0.89%
White Goods - Refrigerated	0.0%	0.00%
White Goods - Not refrigerated	0.0%	0.00%
Lead-acid Batteries	0.0%	0.00%
Other Household Batteries	0.2%	0.08%
Tires	0.3%	0.51%
Household Bulky Items	0.3%	0.39%
Fluorescent Lights/Ballasts	0.0%	0.01%
Textiles	**6.1%**	**1.84%**
Carpet	2.0%	1.48%
Carpet Padding	0.3%	0.31%
Clothing	1.9%	0.59%
Other Textiles	1.9%	0.58%
Household Hazardous Waste	**0.4%**	**0.36%**
Latex Paint	0.1%	0.21%
Oil Paint	0.0%	0.01%
Plant/Organism/Pest Control/Growth	0.0%	0.00%
Used Oil/Filters	0.1%	0.08%
Other Automotive Fluids	0.0%	0.00%
Mercury-Containing Items	0.0%	0.00%
Sharps & Infectious Waste	0.0%	0.00%
Ash, Sludge, & Industrial Wastes	0.0%	0.00%
Sewage Solids	0.0%	0.00%
Other HHW	0.2%	0.27%
C&D	**9.2%**	**5.04%**
Clean Dimensional Lumber	1.4%	0.92%
Clean Engineered Wood	1.4%	1.21%
Wood Pallets	0.0%	0.00%
Painted Wood	1.3%	0.85%
Treated Wood	0.9%	0.81%
Concrete	0.1%	0.22%
Reinforced Concrete	0.0%	0.00%
Asphalt Paving	0.0%	0.00%
Rock & Other Aggregates	0.4%	0.57%
Bricks	0.0%	0.00%
Gypsum Board	3.1%	4.05%
Composition Shingles	0.0%	0.02%
Other Roofing	0.0%	0.00%
Plastic C&D Materials	0.0%	0.00%
Ceramics/Porcelain	0.7%	0.80%
Other C&D	0.0%	0.00%
Total Percentage	100.0%	

2.3.5.2 Landfilled Rural ICI MSW

Figure 2-10 shows the percentage, by weight, of each of the ten material classes for the landfilled rural ICI MSW subsector. Paper, Organics, and Plastics classes account for approximately 71% (31.4%, 24.1% and 15.4% respectively) of the landfilled MSW for this subsector.

Figure 2-10. Composition of Landfilled Rural ICI MSW by Material Class

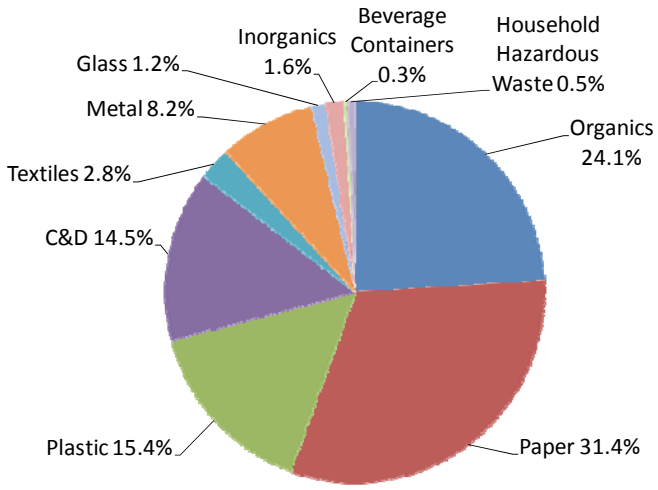


Table 2-17 lists the top ten material categories that were found in the landfilled rural ICI MSW subsector. These ten categories account for over 60% of landfilled rural ICI MSW. Food Scraps, Uncoated OCC/Kraft, and Other Organics material categories account for approximately 34% (14.2%, 13.6% and 6.3% respectively) of landfilled rural ICI MSW.

Table 2-17. Top Ten Individual Material Categories in Landfilled Rural ICI MSW

Category	Waste Composition %	Cum. %
Food Scraps	14.2%	14.2%
Uncoated OCC/Kraft	13.6%	27.8%
Other Organic	6.3%	34.1%
Other Ferrous	4.2%	38.3%
Commercial & Industrial Film	4.2%	42.5%
Compostable Paper	4.2%	46.7%
Newsprint	3.9%	50.6%
Boxboard	3.6%	54.1%
Treated Wood	3.2%	57.3%
Other Film	2.7%	60.1%
Total	**60.1%**	

Table 2-18 provides the composition profile of landfilled rural ICI MSW.

Table 2-18. Composition Profile of Landfilled Rural ICI MSW

Calculated at a 90% confidence level

		Mean	+/-
Paper		**31.4%**	**5.55%**
	Newsprint	3.9%	2.32%
	High Grade Office Paper	1.3%	0.75%
	Magazines/Catalogs	2.0%	1.93%
	Uncoated OCC/Kraft	13.6%	4.17%
	Boxboard	3.6%	2.03%
	Mixed Paper - Recyclable	2.1%	0.62%
	Compostable Paper	4.2%	2.07%
	Other Paper	0.8%	0.40%
Beverage Containers		**0.3%**	**0.40%**
	Milk & Juice Cartons/Boxes - Coated	0.3%	0.40%
Plastic		**15.4%**	**3.83%**
	#1 PET Bottles/Jars	0.9%	0.28%
	#1 Other PET Containers	0.1%	0.10%
	#2 HDPE Bottles/Jars - Clear	0.3%	0.17%
	#2 HDPE Bottles/Jars - Color	0.4%	0.25%
	#2 Other HDPE Containers	0.1%	0.16%
	#6 Exp. Polystyrene Packaging	1.1%	0.49%
	#3-#7 Other - All	0.8%	0.63%
	Other Rigid Plastic Products	2.2%	1.02%
	Grocery & Merchandise Bags	0.3%	0.13%
	Trash Bags	1.6%	0.56%
	Commercial & Industrial Film	4.2%	2.66%
	Other Film	2.7%	2.17%
	Other Plastic	0.8%	0.52%
Glass		**1.2%**	**0.61%**
	Recyclable Glass Bottles & Jars	0.8%	0.39%
	Flat Glass	0.4%	0.51%
	Other Glass	0.0%	0.01%
Metal		**8.2%**	**3.25%**
	Aluminum Beverage Containers	0.4%	0.12%
	Other Aluminum	0.2%	0.14%
	HVAC Ducting	0.0%	0.00%
	Ferrous Containers (Tin Cans)	0.6%	0.49%
	Other Ferrous	4.2%	2.54%
	Other Non-Ferrous	0.3%	0.42%
	Other Metal	2.3%	2.46%
Organics		**24.1%**	**8.13%**
	Yard Waste - Compostable	1.0%	0.78%
	Yard Waste - Woody	0.4%	0.41%
	Food Scraps	14.2%	7.14%
	Bottom Fines & Dirt	0.8%	0.44%
	Diapers	1.4%	1.30%
	Other Organic	6.3%	5.06%

		Mean	+/-
Inorganics		**1.6%**	**1.40%**
	Televisions	0.0%	0.00%
	Computer Monitors	0.5%	0.83%
	Computer Equipment/Peripherals	0.1%	0.15%
	Electronic Equipment	0.8%	1.02%
	White Goods - Refrigerated	0.0%	0.00%
	White Goods - Not refrigerated	0.0%	0.00%
	Lead-acid Batteries	0.0%	0.00%
	Other Household Batteries	0.0%	0.01%
	Tires	0.0%	0.00%
	Household Bulky Items	0.2%	0.28%
	Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles		**2.8%**	**1.50%**
	Carpet	0.1%	0.14%
	Carpet Padding	0.0%	0.00%
	Clothing	1.4%	0.83%
	Other Textiles	1.3%	0.79%
Household Hazardous Waste		**0.5%**	**0.53%**
	Latex Paint	0.0%	0.02%
	Oil Paint	0.0%	0.00%
	Plant/Organism/Pest Control/Growth	0.0%	0.00%
	Used Oil/Filters	0.3%	0.38%
	Other Automotive Fluids	0.0%	0.00%
	Mercury-Containing Items	0.0%	0.01%
	Sharps & Infectious Waste	0.0%	0.00%
	Ash, Sludge, & Industrial Wastes	0.0%	0.00%
	Sewage Solids	0.0%	0.00%
	Other HHW	0.2%	0.26%
C&D		**14.5%**	**7.03%**
	Clean Dimensional Lumber	1.4%	1.43%
	Clean Engineered Wood	1.0%	0.90%
	Wood Pallets	0.2%	0.27%
	Painted Wood	1.5%	1.14%
	Treated Wood	3.2%	2.82%
	Concrete	1.2%	1.96%
	Reinforced Concrete	0.0%	0.00%
	Asphalt Paving	0.0%	0.00%
	Rock & Other Aggregates	0.1%	0.11%
	Bricks	0.0%	0.05%
	Gypsum Board	2.4%	3.90%
	Composition Shingles	0.7%	0.82%
	Other Roofing	0.0%	0.00%
	Plastic C&D Materials	0.1%	0.09%
	Ceramics/Porcelain	0.1%	0.16%
	Other C&D	2.6%	4.18%
Total Percentage		100.0%	

2.3.5.3 Landfilled Rural Residential/ICI MSW Composition

Figure 2-11 shows the percentage, by weight, of each of the ten material classes for the landfilled rural residential / ICI MSW sector. Paper, Organics, and Plastics classes account for over 70% (29.2%, 24.6% and 16.6% respectively) of the landfilled MSW for this sector.

Figure 2-11. Composition of Landfilled Rural Residential/ICI MSW by Material Class

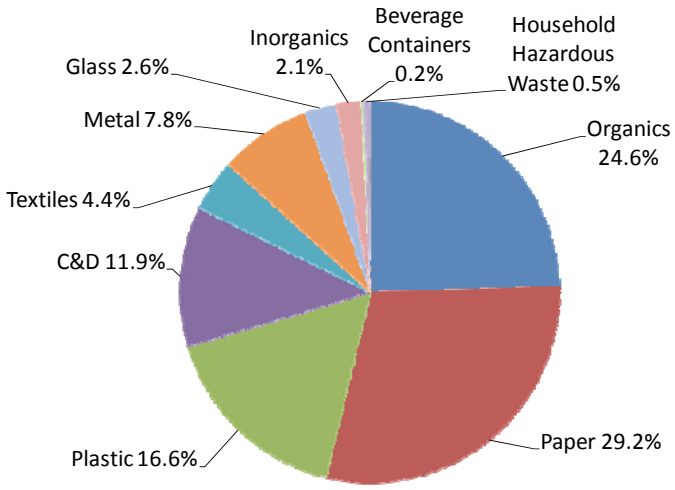


Table 2-19 lists the top ten material categories that were found in the landfilled rural residential / ICI MSW sector. These ten categories account for over 54% of landfilled rural residential / ICI MSW. Food Scraps, Uncoated OCC / Kraft, and Other Organics material categories account for approximately 30% (14.3%, 10.1% and 5.3% respectively) of landfilled rural residential / ICI MSW.

Table 2-19. Top Ten Individual Material Categories in Landfilled Rural Residential/ICI MSW

Category	Waste Composition %	Cum. %
Food Scraps	14.3%	14.3%
Uncoated OCC/Kraft	10.1%	24.3%
Other Organic	5.3%	29.7%
Compostable Paper	4.2%	33.8%
Newsprint	4.1%	37.9%
Other Ferrous	4.0%	41.9%
Mixed Paper	3.3%	45.2%
Boxboard	3.3%	48.5%
Gypsum Board	2.7%	51.3%
Diapers	2.7%	54.0%
Total	**54.0%**	

Table 2-20 provides the composition profile of landfilled rural residential / ICI MSW.

Table 2-20. Composition Profile of Landfilled Rural Residential/ICI MSW

Calculated at a 90% confidence level

		Mean	+/-
Paper		**29.2%**	**1.65%**
	Newsprint	4.1%	0.65%
	High Grade Office Paper	1.1%	0.25%
	Magazines/Catalogs	2.0%	0.53%
	Uncoated OCC/Kraft	10.1%	1.17%
	Boxboard	3.3%	0.55%
	Mixed Paper - Recyclable	3.3%	0.25%
	Compostable Paper	4.2%	0.57%
	Other Paper	1.2%	0.23%
Beverage Containers		**0.2%**	**0.11%**
	Milk & Juice Cartons/Boxes - Coated	0.2%	0.11%
Plastic		**16.6%**	**1.32%**
	#1 PET Bottles/Jars	1.2%	0.11%
	#1 Other PET Containers	0.1%	0.03%
	#2 HDPE Bottles/Jars - Clear	0.5%	0.06%
	#2 HDPE Bottles/Jars - Color	0.6%	0.08%
	#2 Other HDPE Containers	0.1%	0.05%
	#6 Exp. Polystyrene Packaging	1.0%	0.13%
	#3-#7 Other - All	1.1%	0.18%
	Other Rigid Plastic Products	2.7%	0.36%
	Grocery & Merchandise Bags	0.5%	0.05%
	Trash Bags	1.6%	0.16%
	Commercial & Industrial Film	2.4%	0.71%
	Other Film	2.6%	0.58%
	Other Plastic	2.3%	0.79%
Glass		**2.6%**	**0.30%**
	Recyclable Glass Bottles & Jars	2.4%	0.27%
	Flat Glass	0.2%	0.14%
	Other Glass	0.0%	0.01%
Metal		**7.8%**	**1.20%**
	Aluminum Beverage Containers	0.5%	0.05%
	Other Aluminum	0.3%	0.05%
	HVAC Ducting	0.0%	0.00%
	Ferrous Containers (Tin Cans)	1.3%	0.16%
	Other Ferrous	4.0%	0.99%
	Other Non-Ferrous	0.2%	0.11%
	Other Metal	1.7%	0.67%
Organics		**24.6%**	**2.31%**
	Yard Waste - Compostable	0.8%	0.23%
	Yard Waste - Woody	0.3%	0.12%
	Food Scraps	14.3%	1.97%
	Bottom Fines & Dirt	1.1%	0.23%
	Diapers	2.7%	0.45%
	Other Organic	5.3%	1.41%

		Mean	+/-
Inorganics		**2.1%**	**0.50%**
	Televisions	0.0%	0.00%
	Computer Monitors	0.4%	0.26%
	Computer Equipment/Peripherals	0.1%	0.04%
	Electronic Equipment	1.1%	0.34%
	White Goods - Refrigerated	0.0%	0.00%
	White Goods - Not refrigerated	0.0%	0.00%
	Lead-acid Batteries	0.0%	0.00%
	Other Household Batteries	0.1%	0.02%
	Tires	0.1%	0.12%
	Household Bulky Items	0.3%	0.12%
	Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles		**4.4%**	**0.59%**
	Carpet	1.0%	0.35%
	Carpet Padding	0.2%	0.07%
	Clothing	1.6%	0.26%
	Other Textiles	1.6%	0.25%
Household Hazardous Waste		**0.5%**	**0.16%**
	Latex Paint	0.1%	0.05%
	Oil Paint	0.0%	0.00%
	Plant/Organism/Pest Control/Growth	0.0%	0.00%
	Used Oil/Filters	0.2%	0.10%
	Other Automotive Fluids	0.0%	0.00%
	Mercury-Containing Items	0.0%	0.00%
	Sharps & Infectious Waste	0.0%	0.00%
	Ash, Sludge, & Industrial Wastes	0.0%	0.00%
	Sewage Solids	0.0%	0.00%
	Other HHW	0.2%	0.09%
C&D		**11.9%**	**2.21%**
	Clean Dimensional Lumber	1.4%	0.44%
	Clean Engineered Wood	1.2%	0.37%
	Wood Pallets	0.1%	0.07%
	Painted Wood	1.4%	0.36%
	Treated Wood	2.1%	0.77%
	Concrete	0.7%	0.52%
	Reinforced Concrete	0.0%	0.00%
	Asphalt Paving	0.0%	0.00%
	Rock & Other Aggregates	0.2%	0.14%
	Bricks	0.0%	0.01%
	Gypsum Board	2.7%	1.41%
	Composition Shingles	0.4%	0.22%
	Other Roofing	0.0%	0.00%
	Plastic C&D Materials	0.0%	0.02%
	Ceramics/Porcelain	0.4%	0.19%
	Other C&D	1.3%	1.10%
Total Percentage		100.0%	

2.4 Visual Characterization of C&D Results

A total of 150 source separated C&D loads were visually characterized at the 19 sampling locations. Due to the bulky nature of C&D materials, visual characterization of entire vehicles was used as it is considered by the industry to yield more accurate results. Visual characterization of C&D and bulky materials is used in waste characterization studies because it allows the entire load to be characterized, rather than physically sampling a manageable-sized sample or fewer larger samples that may be less representative of the waste stream. The large and heavy nature of C&D materials makes physical sorting impractical and typically inappropriate. Chicago C&D waste study data was not available at the time of this report; however, samples were collected from the Chicago metropolitan area at the surrounding landfills. The C&D composition profile is presented in the following ways:

- A pie chart depicting the C&D material categories by weight.
- A list of the ten largest material categories by weight.
- A comprehensive table detailing the full composition results for the entire 79 material categories.
- Figure 2-12 shows the percentage, by weight, of each of the individual material categories for the landfilled C&D waste sector in Illinois.

Figure 2-12. Composition of Landfilled C&D

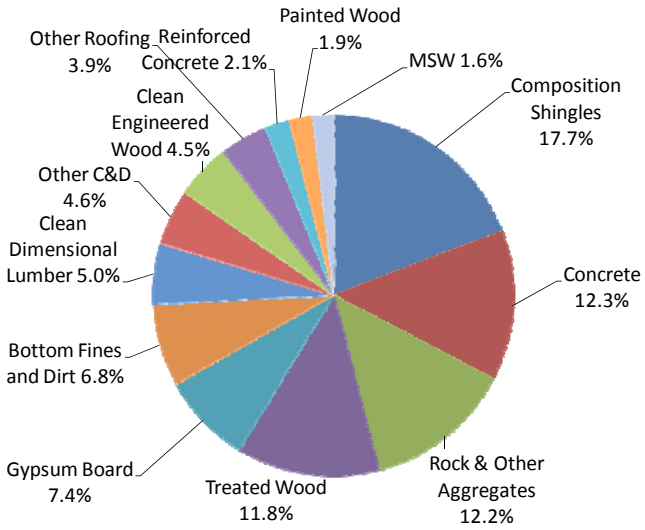


Table 2-21 lists the top ten material categories that were found in the landfilled C&D waste sector. These ten categories account for over 86% of the overall C&D waste stream. Composite Shingles, Concrete, Rock & Other Aggregates, and Treated Wood material categories account for approximately 54% (17.7%, 12.3%, 12.2 and 11.8% respectively) of the landfilled C&D waste.

Table 2-21. Top Ten Individual Material Categories in Landfilled C&D

Category	Waste Composition %	Cum. %
Composition Shingles	17.7%	17.7%
Concrete	12.3%	30.0%
Rock & Other Aggregates	12.2%	42.2%
Treated Wood	11.8%	54.0%
Gypsum Board	7.4%	61.4%
Bottom Fines and Dirt	6.8%	68.1%
Clean Dimensional Lumber	5.0%	73.1%
Other C&D	4.6%	77.7%
Clean Engineered Wood	4.5%	82.2%
Other Roofing	3.9%	86.1%
Total	**86.1%**	

Table 2-22 provides the composition profile of landfilled C&D waste.

Table 2-22. Composition Profile of Landfilled C&D

Calculated at a 90% confidence level

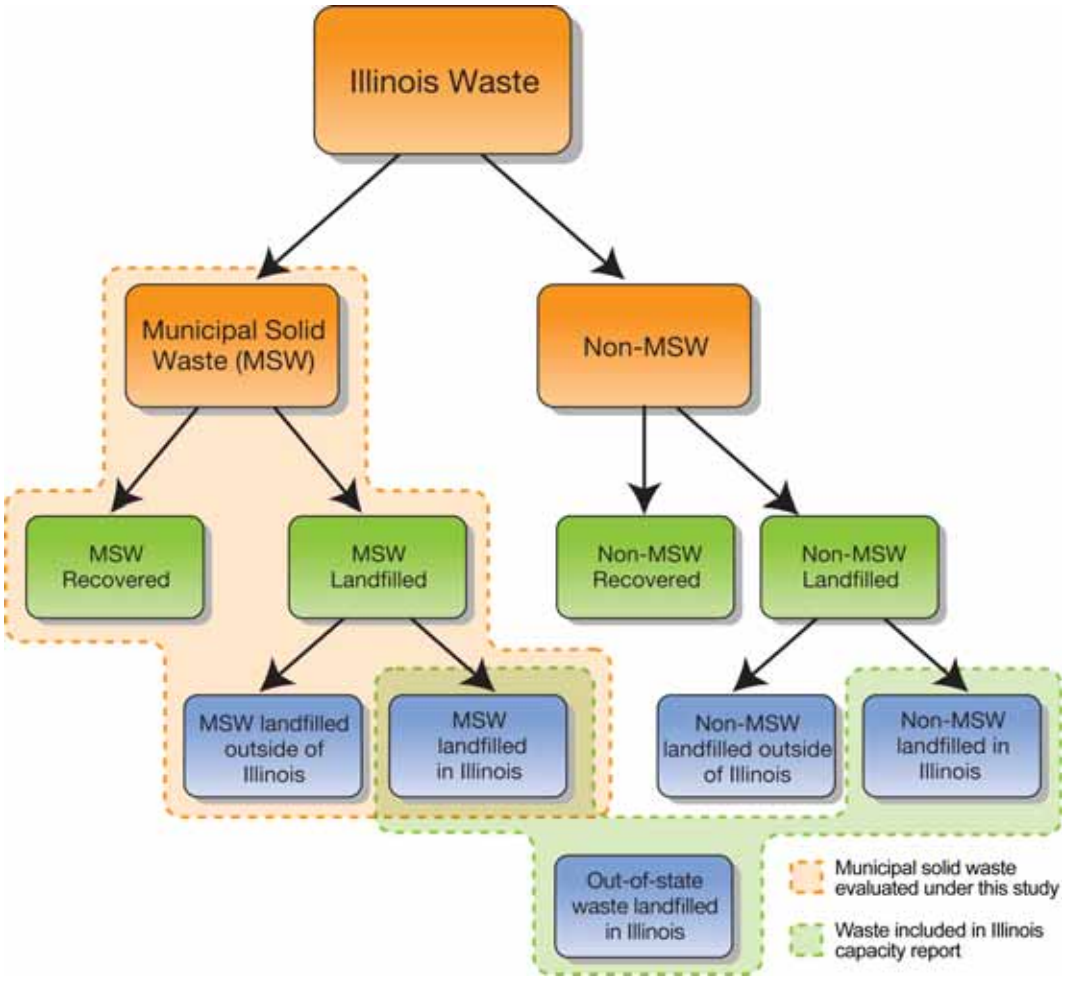
	Mean	+/-
Paper	**1.4%**	**0.77%**
Newsprint	0.0%	0.00%
High Grade Office Paper	0.0%	0.00%
Magazines/Catalogs	0.0%	0.00%
Uncoated OCC/Kraft	1.3%	0.76%
Boxboard	0.0%	0.01%
Mixed Paper - Recyclable	0.0%	0.00%
Compostable Paper	0.0%	0.00%
Other Paper	0.1%	0.08%
Beverage Containers	**0.0%**	**0.00%**
Milk & Juice Cartons/Boxes - Coated	0.0%	0.00%
Plastic	**0.8%**	**0.88%**
#1 PET Bottles/Jars	0.0%	0.00%
#1 Other PET Containers	0.0%	0.00%
#2 HDPE Bottles/Jars - Clear	0.0%	0.00%
#2 HDPE Bottles/Jars - Color	0.0%	0.00%
#2 Other HDPE Containers	0.0%	0.00%
#6 Exp. Polystyrene Packaging	0.3%	0.50%
#3-#7 Other - All	0.0%	0.01%
Other Rigid Plastic Products	0.0%	0.04%
Grocery & Merchandise Bags	0.0%	0.00%
Trash Bags	0.0%	0.01%
Commercial & Industrial Film	0.1%	0.07%
Other Film	0.0%	0.00%
Other Plastic	0.4%	0.58%
Glass	**0.1%**	**0.15%**
Recyclable Glass Bottles & Jars	0.0%	0.00%
Flat Glass	0.1%	0.15%
Other Glass	0.0%	0.00%
Metal	**0.7%**	**0.28%**
Aluminum Beverage Containers	0.0%	0.00%
Other Aluminum	0.2%	0.12%
HVAC Ducting	0.0%	0.00%
Ferrous Containers (Tin Cans)	0.0%	0.01%
Other Ferrous	0.4%	0.26%
Other Non-Ferrous	0.0%	0.01%
Other Metal	0.0%	0.02%
Organics	**8.4%**	**6.81%**
Yard Waste - Compostable	0.3%	0.40%
Yard Waste - Woody	0.1%	0.10%
Food Scraps	0.3%	0.43%
Bottom Fines & Dirt	6.8%	6.70%
Diapers	0.0%	0.00%
Other Organic	1.0%	1.21%

	Mean	+/-
Inorganics	**0.2%**	**0.22%**
Televisions	0.0%	0.00%
Computer Monitors	0.0%	0.00%
Computer Equipment/Peripherals	0.0%	0.00%
Electronic Equipment	0.0%	0.00%
White Goods - Refrigerated	0.0%	0.00%
White Goods - Not refrigerated	0.0%	0.00%
Lead-acid Batteries	0.0%	0.00%
Other Household Batteries	0.0%	0.00%
Tires	0.0%	0.02%
Household Bulky Items	0.2%	0.22%
Fluorescent Lights/Ballasts	0.0%	0.00%
Textiles	**0.7%**	**0.50%**
Carpet	0.6%	0.38%
Carpet Padding	0.1%	0.19%
Clothing	0.0%	0.00%
Other Textiles	0.0%	0.00%
Household Hazardous Waste	**0.0%**	**0.00%**
Latex Paint	0.0%	0.00%
Oil Paint	0.0%	0.00%
Plant/Organism/Pest Control/Growth	0.0%	0.00%
Used Oil/Filters	0.0%	0.00%
Other Automotive Fluids	0.0%	0.00%
Mercury-Containing Items	0.0%	0.00%
Sharps & Infectious Waste	0.0%	0.00%
Ash, Sludge, & Industrial Wastes	0.0%	0.00%
Sewage Solids	0.0%	0.00%
Other HHW	0.0%	0.00%
C&D	**86.0%**	**11.62%**
Clean Dimensional Lumber	5.0%	2.10%
Clean Engineered Wood	4.5%	2.26%
Wood Pallets	1.0%	0.50%
Painted Wood	1.9%	1.06%
Treated Wood	11.8%	6.18%
Concrete	12.3%	6.55%
Reinforced Concrete	2.1%	3.41%
Asphalt Paving	0.4%	0.63%
Rock & Other Aggregates	12.2%	7.42%
Bricks	0.8%	0.76%
Gypsum Board	7.4%	3.07%
Composition Shingles	17.7%	5.20%
Other Roofing	3.9%	2.88%
Plastic C&D Materials	0.0%	0.03%
Ceramics/Porcelain	0.3%	0.44%
Other C&D	4.6%	1.86%
MSW	**1.6%**	**0.68%**
Total Percentage	100.0%	

2. 5 MSW Landfilled Quantities

The MSW Characterization results discussed above provide a composition profile for MSW landfilled in Illinois. The MSW generation estimates calculated in Section 3 are based on all waste generated by Illinois residents. In order to compare the two results, a total Illinois MSW landfilled quantity must be calculated. Figure 2-13 provides a conceptual model of the Illinois waste stream and was used to develop the quantities provided in this section.

Figure 2-13. Illinois Waste Stream



In order to determine the MSW landfilled quantities, a distribution between the waste sectors (i.e., residential, ICI, etc.) was needed. The Illinois EPA report *Nonhazardous Solid Waste Management and Landfill Capacity in Illinois: 2007* (Illinois 2007 Capacity Report) does not provide quantities for each waste sector because this data is not required to be reported by landfills (and is difficult to obtain as many loads delivered to landfills include a mix of waste from the different sectors). As such, a gatehouse survey of the waste sectors disposed at each facility studied was conducted as part of the MSW characterization study. Use of gatehouse surveys has its limitations as the

surveys are only a one day "snapshot" of the data; however, this was determined to be the most appropriate method based on budgetary limitations and has been used in numerous waste characterization studies nationwide.

Data collected during the gatehouse surveys were used to determine the percentages of each waste sector that is disposed in Illinois landfills (Table 2-23). A weighted average was computed using the data collected at each landfill (weighted based on the total reported waste tonnage accepted in 2007 based on the Illinois 2007 Capacity Report). Because the landfills chosen as sampling locations receive approximately half of the waste disposed in Illinois, this waste sector distribution was assumed to be accurate for the entire Illinois waste stream (excluding waste originating from out-of-state). The out-of-state waste sector was determined by using both the results from the gatehouse surveys and as well as the quantities provided in the Illinois 2007 Capacity Report. The waste sector distribution estimates are provided in Table 2-23.

Table 2-23. Illinois Landfilled Waste Sector Distribution

Waste Sector	Percentage (by Weight)
Residential Waste	34.6%
ICI Waste	36.5%
C&D Waste	8.3%
Other Non-MSW	16.3%
Out-of- State Waste	4.3%
Total	**100.0%**

Notes: Based on gatehouse surveys and Illinois 2007 Capacity Report

As shown in Figure 2-13, the Illinois 2007 Capacity Report only summarizes the quantity of waste disposed in Illinois landfills and does not include the quantity of waste generated within Illinois and disposed outside the State. Table 2-24 summarizes the total quantity of Illinois waste that is landfilled (i.e., landfilled). The Illinois landfill waste quantities were calculated using the Illinois 2007 Capacity Report quantity estimates multiplied times the waste sector distribution estimates provided above. The total Illinois waste disposed was calculated using the quantity of Illinois waste disposed in Illinois landfills plus the quantity of Illinois waste disposed outside of Illinois in neighboring states (Indiana, Michigan and Wisconsin). Since the actual waste sector distribution disposed outside of Illinois is unknown, the distribution of the waste sectors disposed outside of Illinois was assumed to be the same as the waste sector distribution at the Illinois landfills.

Table 2-24. Illinois Waste Disposed

Disposal Location [1,2]	Residential (Tons)	ICI (Tons)	C&D (Tons)	Non-MSW[3] (Tons)	Annual Waste (Tons)
Illinois Waste Disposed Within Illinois					**14,676,484**
Illinois	5,299,833	5,604,015	1,272,241	2,500,929	*14,676,484*
Illinois Waste Disposed Outside of Illinois[4]					**3,760,266**
Indiana					*2,250,835*
Michigan					*247,777*
Wisconsin					*1,261,654*
Total Waste[4]	**6,657,705**	**7,039,821**	**1,598,203**	**3,141,693**	**18,436,750**

[1]Illinois quantities calculate using Illinois 2007 Capacity Report landfill quantities and the waste distribution provided in Table 2-23. Does not include the out-of-state waste disposed in Illinois.

[2]Indiana, Michigan and Wisconsin quantities provided by the state agencies (Indians -IDEM Solid Waste Facility Quarterly Reports Online (2007), Michigan - MDEQ Annual Solid Waste Report January 30, 2009., Wisconsin - WDNR Landfill Tonnage Report, 2007)

[3] Any landfilled waste that is not included within definition of MSW (e.g., industrial process waste).

[4] Distribution assumed to be the same as the Illinois distribution provided in Table 2-23.

2.6 Landfilled MSW Composition

The MSW quantities provided in Table 2-24 were combined with the waste composition profiles to determine the total landfilled MSW quantity by weight of each material type landfilled. Table 2-25 compares the weight composition of the three waste sectors: residential, ICI, and C&D and provides a composition of the overall Illinois MSW. The residential, ICI, and C&D quantities were added together to develop an overall Illinois MSW composition by weight.

Figure 2-14 shows the percentage, by weight, of each of the ten material classes for landfilled MSW. C&D, Paper, Organics, and Plastics classes account for over 82% (25.3%, 23.4%, 20.7% and 13% respectively) of landfilled MSW.

Table 2-25. Illinois Landfilled MSW Sector Tonnages

	Residential Tons	ICI Tons	C&D Tons	Illinois MSW Tons
Paper*	**1,569,800**	**1,987,600**	**22,400**	**3,579,800**
Newsprint	278,000	140,690	-	418,690
High Grade Office Paper	36,180	107,930	-	144,110
Magazines/Catalogs	124,370	117,380	-	241,750
Uncoated OCC/Kraft	370,240	1,132,710	21,330	1,524,280
Boxboard	153,810	90,000	60	243,870
Mixed Paper - Recyclable	251,670	166,690	-	418,360
Compostable Paper	275,690	175,760	-	451,450
Other Paper	79,820	56,410	980	137,210
Beverage Containers*	**11,300**	**21,100**	**-**	**32,400**
Milk & Juice Cartons/Boxes - Coated	11,330	21,070	-	32,400
Plastic*	**1,010,600**	**964,100**	**14,000**	**1,988,700**
#1 PET Bottles/Jars	96,230	50,390	10	146,630
#1 Other PET Containers	6,480	5,330	-	11,810
#2 HDPE Bottles/Jars - Clear	37,810	23,030	20	60,860
#2 HDPE Bottles/Jars - Color	43,330	43,840	10	87,180
#2 Other HDPE Containers	5,120	6,750	-	11,870
#6 Exp. Polystyrene Packaging	53,170	63,400	5,260	121,830
#3-#7 Other - All	76,250	42,080	70	118,400
Other Rigid Plastic Products	261,240	239,040	690	500,970
Grocery & Merchandise Bags	57,150	23,100	-	80,250
Trash Bags	79,730	85,420	70	165,220
Commercial & Industrial Film	29,040	186,690	1,080	216,810
Other Film	109,150	84,740	20	193,910
Other Plastic	155,880	110,240	6,340	272,460
Glass*	**278,500**	**153,200**	**2,000**	**433,700**
Recyclable Glass Bottles & Jars	258,780	142,390	40	401,210
Flat Glass	14,030	8,480	1,980	24,500
Other Glass	5,670	2,350	-	8,020
			-	
Metal*	**374,800**	**355,100**	**10,600**	**740,500**
Aluminum Beverage Containers	35,590	22,300	20	57,910
Other Aluminum	35,900	35,350	3,750	75,000
HVAC Ducting	3,820	390	-	4,200
Ferrous Containers (Tin Cans)	91,840	51,570	100	143,510
Other Ferrous	145,580	156,810	6,220	308,610
Other Non-Ferrous	19,750	13,000	250	33,000
Other Metal	42,310	75,670	250	118,230
			-	
Organics*	**1,712,800**	**1,322,300**	**133,600**	**3,168,700**
Yard Waste - Compostable	145,800	54,180	4,150	204,130
Yard Waste - Woody	59,770	123,320	1,660	184,750
Food Scraps	974,770	859,110	4,190	1,838,100
Bottom Fines & Dirt	72,400	56,850	108,140	237,390
Diapers	237,130	63,290	-	300,420
Other Organic	222,970	165,540	15,450	403,960

	Residential Tons	ICI Tons	C&D Tons	Illinois MSW Tons
Inorganics*	**200,300**	**155,800**	**3,500**	**359,600**
Televisions	930	-	-	930
Computer Monitors	13,550	15,400	-	28,950
Computer Equipment/Peripherals	6,120	25,450	-	31,570
Electronic Equipment	80,320	52,510	-	132,830
White Goods - Refrigerated	-	-	-	-
White Goods - Not refrigerated	-	2,690	-	2,690
Lead-acid Batteries	330	70	-	400
Other Household Batteries	4,910	1,540	-	6,450
Tires	10,450	18,890	290	29,630
Household Bulky Items	83,370	38,940	3,190	125,500
Fluorescent Lights/Ballasts	320	270	-	590
			-	-
Textiles*	**628,300**	**423,900**	**11,600**	**1,063,800**
Carpet	164,700	74,800	9,490	248,990
Carpet Padding	18,380	16,040	2,140	36,560
Clothing	202,350	113,510	-	315,860
Other Textiles	242,890	219,510	-	462,400
Household Hazardous Waste*	**31,900**	**32,500**	**-**	**64,400**
Latex Paint	11,170	620	-	11,790
Oil Paint	1,730	-	-	1,730
Plant/Organism/Pest Control/Growth	30	90	-	120
Used Oil/Filters	5,030	7,350	-	12,380
Other Automotive Fluids	880	-	-	880
Mercury-Containing Items	-	45	-	50
Sharps & Infectious Waste	255	2,720	-	2,980
Ash, Sludge, & Industrial Wastes	170	7,580	-	7,750
Sewage Solids	-	-	-	-
Other HHW	12,600	14,090	-	26,700
C&D*	**839,400**	**1,624,400**	**1,401,000**	**3,864,800**
Clean Dimensional Lumber	54,180	246,010	79,420	379,610
Clean Engineered Wood	84,680	208,110	72,490	365,280
Wood Pallets	10,890	122,460	16,460	149,810
Painted Wood	112,880	125,560	31,010	269,450
Treated Wood	208,130	207,470	188,620	604,220
Concrete	13,560	189,960	196,330	399,850
Reinforced Concrete	-	5,120	33,130	38,250
Asphalt Paving	-	-	6,120	6,120
Rock & Other Aggregates	11,810	24,610	195,240	231,660
Bricks	11,600	39,670	13,550	64,820
Gypsum Board	110,120	243,210	118,320	471,650
Composition Shingles	32,070	90,600	282,410	405,080
Other Roofing	16,620	-	62,380	79,000
Plastic C&D Materials	3,340	14,670	750	18,760
Ceramics/Porcelain	125,774	17,710	5,184	148,670
Other C&D	43,780	89,220	73,270	206,270
Other MSW	**-**	**-**	26,270	26,270
Total*	**6,657,700**	**7,040,000**	**1,598,700**	**15,296,400**

* Numbers rounded to nearest 100 Tons

Figure 2-14. Composition of Landfilled MSW by Material Class

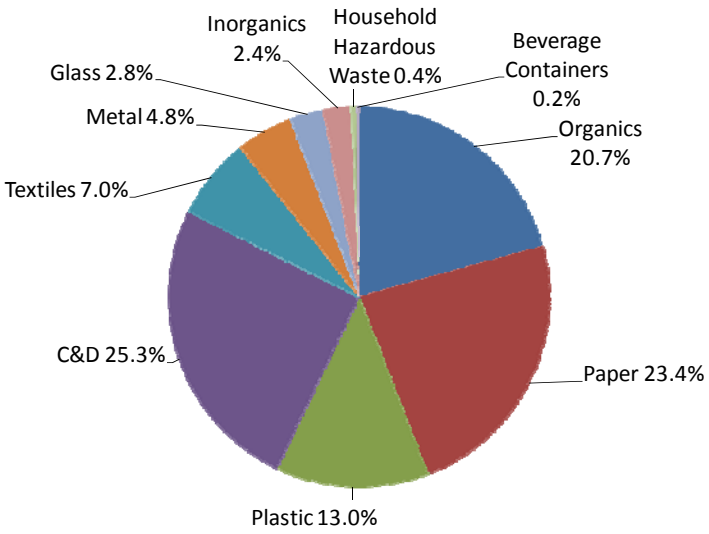


Table 2-26 lists the top ten material categories that were found in landfilled MSW. These ten categories account for over 46% of landfilled MSW. Food Scraps and Uncoated OCC/Kraft account for approximately 22% (12% and 10% respectively) of landfilled MSW.

Table 2-26. Top Ten Individual Material Categories in Landfilled MSW

Component	Waste Composition %	Cum. %
Food Scraps	12.0%	12.0%
Uncoated OCC/Kraft	10.0%	22.0%
Treated Wood	4.0%	25.9%
Other Rigid Plastic Products	3.3%	29.2%
Gypsum Board	3.1%	32.3%
Other Textiles	3.0%	35.3%
Compostable Paper	3.0%	38.3%
Newsprint	2.7%	41.0%
Mixed Paper - Recyclable	2.7%	43.7%
Composition Shingles	2.6%	46.4%
Total	**46.4%**	

2.7 Comparison of Waste Sectors

Figure 2-15 compares the waste composition profiles for the residential waste sector and subsectors. The 90% confidence intervals are shown on these figures. When comparing the rural to urban sectors, there is a significant difference in the material classes when the error bars do not overlap.

2.7.1 Comparison by Rural vs. Urban Sectors

When considering the residential MSW waste, the majority of the material classes fall within the 90% confidence interval for the rural and urban sectors, with the exception of the Paper and Textiles classes. There is significantly more paper disposed within

the rural counties of Illinois and there are significantly more textiles disposed within urban areas of Illinois.

Figure 2-15. Comparison of Residential MSW Composition

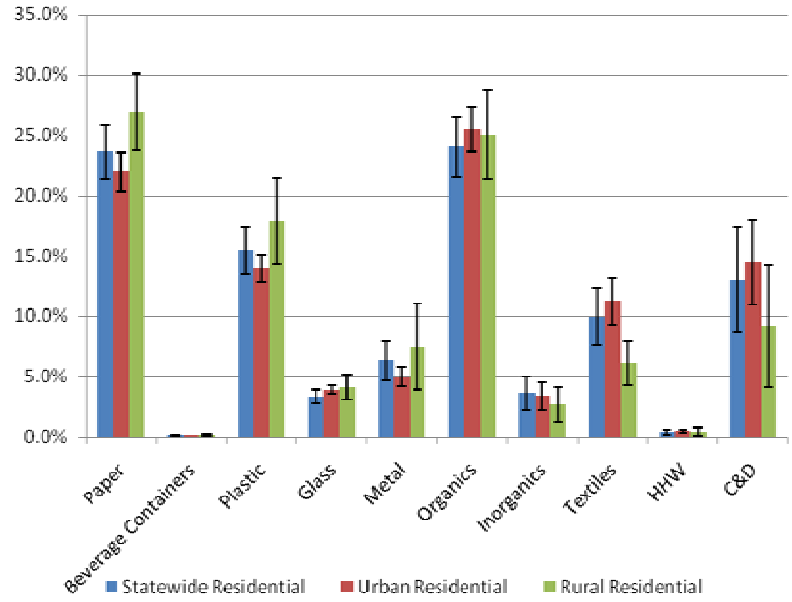
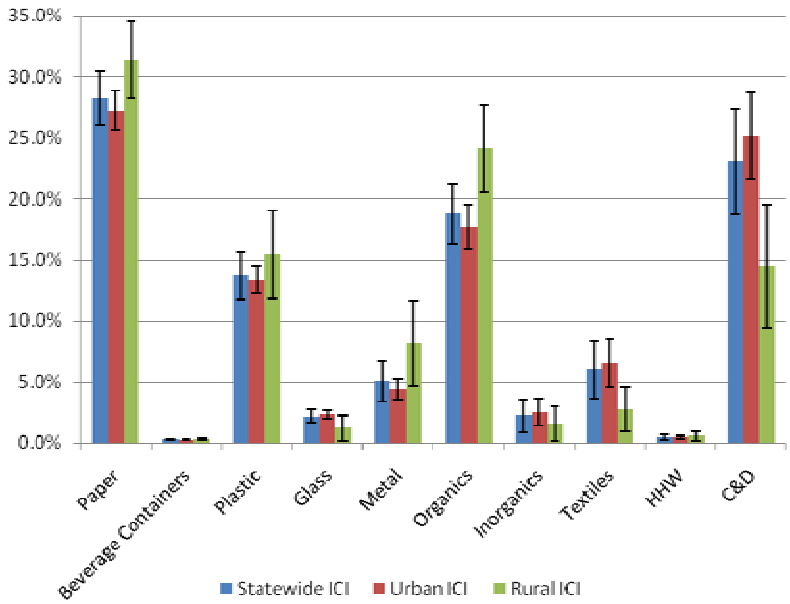


Figure 2-16 compares the waste composition profiles for the ICI waste sector and subsectors. The majority of the material classes fall within the 90% confidence interval for the rural and urban sectors, with the exception of the Organics and C&D classes. There is significantly more O rganics disposed within the rural counties of Illinois and there is significantly more C&D disposed within urban areas of Illinois.

Figure 2-16. Comparison of ICI MSW Composition

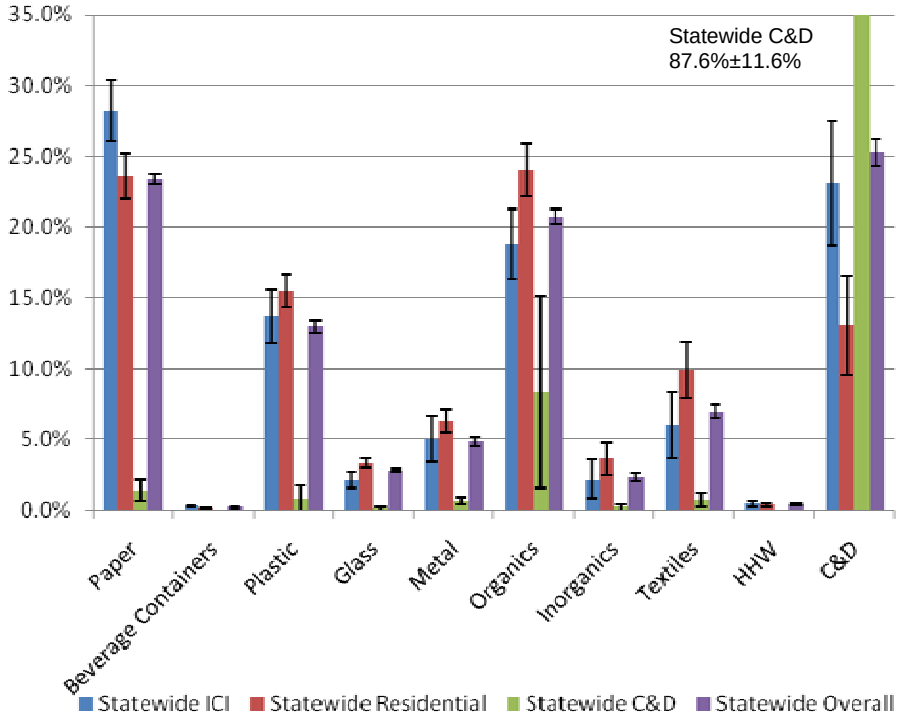


2.7.2 Comparison by Waste Generation Sector

The overall waste stream is relatively similar to the residential and ICI MSW sectors as these two sectors comprise the majority of the landfilled waste stream, when compared to the C&D sector that is often diverted from landfills due to economic drivers. As anticipated there are numerous classes where the C&D sector differs from the residential and ICI sectors. Approximately 86% of the C&D sector consists of material categories that fall within the C&D class of materials (e.g., composite shingles, concrete, wood, etc.) and 14% of the C&D sector consists of material categories that fall within the nine other classes of waste materials (e.g., Paper, Plastics, HHW, etc.).

Residential and ICI waste sectors have many commonalities. The majority of the material classes fall within the 90% confidence interval when comparing the residential sector to the ICI sector, with the exception of the Paper, Glass, Organics and C&D classes. There is significantly more Paper (mainly uncoated OCC / Kraft) and C&D disposed by the ICI sector, while there is significantly more Glass and Organics disposed by the residential sector.

Figure 2-17. Comparison of MSW Waste Sectors Composition



Note: Figure truncated to emphasize differences in the material classes. The statewide C&D has a C&D class composition of 87.6% ±11.6%

Table 2-27. Comparison of Waste Sector Composition Profiles

	Residential	ICI	C&D	Rural	Urban
	Mean %	Mean %	Mean %	Mean %	Mean %
Paper	**23.6%**	**26.3%**	**1.4%**	**29.2%**	**24.7%**
Newsprint	3.9%	2.4%	0.0%	4.1%	2.8%
High Grade Office Paper	0.5%	2.0%	0.0%	1.1%	1.0%
Magazines/Catalogs	1.9%	1.1%	0.0%	2.0%	1.7%
Uncoated OCC/Kraft	5.6%	12.3%	1.3%	10.1%	10.8%
Boxboard	2.4%	1.9%	0.0%	3.3%	1.4%
Mixed Paper - Recyclable	3.9%	2.2%	0.0%	3.3%	2.9%
Compostable Paper	4.1%	3.2%	0.0%	4.2%	3.1%
Other Paper	1.3%	1.2%	0.1%	1.2%	0.9%
Beverage Containers	**0.2%**	**0.2%**	**0.0%**	**0.2%**	**0.2%**
Milk & Juice Cartons/Boxes - Coated	0.2%	0.2%	0.0%	0.2%	0.2%
Plastic	**15.5%**	**14.3%**	**0.8%**	**16.6%**	**13.7%**
#1 PET Bottles/Jars	1.4%	0.8%	0.0%	1.2%	1.0%
#1 Other PET Containers	0.1%	0.1%	0.0%	0.1%	0.1%
#2 HDPE Bottles/Jars - Clear	0.5%	0.4%	0.0%	0.5%	0.4%
#2 HDPE Bottles/Jars - Color	0.6%	0.4%	0.0%	0.6%	0.6%
#2 Other HDPE Containers	0.1%	0.2%	0.0%	0.1%	0.1%
#6 Exp. Polystyrene Packaging	0.7%	0.8%	0.3%	1.0%	0.8%
#3-#7 Other - All	1.1%	0.7%	0.0%	1.1%	0.8%
Other Rigid Plastic Products	4.3%	2.8%	0.0%	2.7%	4.0%
Grocery & Merchandise Bags	0.7%	0.3%	0.0%	0.5%	0.6%
Trash Bags	1.2%	1.5%	0.0%	1.6%	1.1%
Commercial & Industrial Film	0.4%	3.1%	0.1%	2.4%	1.4%
Other Film	1.7%	1.7%	0.0%	2.6%	1.1%
Other Plastic	2.6%	1.4%	0.4%	2.3%	1.7%
Glass	**3.3%**	**1.5%**	**0.1%**	**2.6%**	**3.1%**
Recyclable Glass Bottles & Jars	3.0%	1.3%	0.0%	2.4%	2.8%
Flat Glass	0.2%	0.2%	0.1%	0.2%	0.2%
Other Glass	0.1%	0.0%	0.0%	0.0%	0.1%
Metal	**6.3%**	**5.4%**	**0.7%**	**7.8%**	**4.7%**
Aluminum Beverage Containers	0.5%	0.3%	0.0%	0.5%	0.4%
Other Aluminum	0.6%	0.6%	0.2%	0.3%	0.6%
HVAC Ducting	0.1%	0.0%	0.0%	0.0%	0.0%
Ferrous Containers (Tin Cans)	1.5%	0.8%	0.0%	1.3%	1.0%
Other Ferrous	2.6%	2.5%	0.4%	4.0%	1.7%
Other Non-Ferrous	0.3%	0.2%	0.0%	0.2%	0.3%
Other Metal	0.8%	1.0%	0.0%	1.7%	0.7%
Organics	**24.0%**	**19.8%**	**8.4%**	**24.6%**	**21.5%**
Yard Waste - Compostable	0.8%	0.7%	0.3%	0.8%	1.6%
Yard Waste - Woody	0.9%	0.9%	0.1%	0.3%	1.6%
Food Scraps	13.9%	12.2%	0.3%	14.3%	13.1%
Bottom Fines & Dirt	0.9%	0.8%	6.8%	1.1%	0.8%
Diapers	3.6%	1.1%	0.0%	2.7%	2.0%
Other Organic	3.9%	4.0%	1.0%	5.3%	2.3%

	Residential	ICI	C&D	Rural
	Mean %	Mean %	Mean %	Mean %
Inorganics	**3.6%**	**3.3%**	**0.2%**	**2.1%**
Televisions	0.0%	0.0%	0.0%	0.0%
Computer Monitors	0.3%	0.4%	0.0%	0.4%
Computer Equipment/Peripherals	0.1%	0.2%	0.0%	0.1%
Electronic Equipment	1.5%	1.3%	0.0%	1.1%
White Goods - Refrigerated	0.0%	0.0%	0.0%	0.0%
White Goods - Not refrigerated	0.0%	0.1%	0.0%	0.0%
Lead-acid Batteries	0.0%	0.0%	0.0%	0.0%
Other Household Batteries	0.1%	0.0%	0.0%	0.1%
Tires	0.1%	0.1%	0.0%	0.1%
Household Bulky Items	1.6%	1.1%	0.2%	0.3%
Fluorescent Lights/Ballasts	0.0%	0.0%	0.0%	0.0%
Textiles	**9.9%**	**4.3%**	**0.7%**	**4.4%**
Carpet	3.0%	1.2%	0.6%	1.0%
Carpet Padding	0.3%	0.5%	0.1%	0.2%
Clothing	2.8%	1.1%	0.0%	1.6%
Other Textiles	3.7%	1.6%	0.0%	1.6%
Household Hazardous Waste	**0.4%**	**0.8%**	**0.0%**	**0.5%**
Latex Paint	0.1%	0.0%	0.0%	0.1%
Oil Paint	0.0%	0.0%	0.0%	0.0%
Plant/Organism/Pest Control/Growth	0.0%	0.0%	0.0%	0.0%
Used Oil/Filters	0.1%	0.1%	0.0%	0.2%
Other Automotive Fluids	0.0%	0.0%	0.0%	0.0%
Mercury-Containing Items	0.0%	0.0%	0.0%	0.0%
Sharps & Infectious Waste	0.0%	0.1%	0.0%	0.0%
Ash, Sludge, & Industrial Wastes	0.0%	0.2%	0.0%	0.0%
Sewage Solids	0.0%	0.0%	0.0%	0.0%
Other HHW	0.1%	0.4%	0.0%	0.2%
C&D	**13.1%**	**24.0%**	**86.0%**	**11.9%**
Clean Dimensional Lumber	0.7%	1.8%	5.0%	1.4%
Clean Engineered Wood	1.3%	3.3%	4.5%	1.2%
Wood Pallets	0.2%	1.7%	1.0%	0.1%
Painted Wood	1.6%	1.3%	1.9%	1.4%
Treated Wood	3.8%	5.4%	11.8%	2.1%
Concrete	0.1%	1.8%	12.3%	0.7%
Reinforced Concrete	0.0%	0.0%	2.1%	0.0%
Asphalt Paving	0.0%	0.0%	0.4%	0.0%
Rock & Other Aggregates	0.1%	0.0%	12.2%	0.2%
Bricks	0.2%	0.5%	0.8%	0.0%
Gypsum Board	1.7%	3.1%	7.4%	2.7%
Composition Shingles	0.5%	2.6%	17.7%	0.4%
Other Roofing	0.0%	0.0%	3.9%	0.0%
Plastic C&D Materials	0.1%	0.3%	0.0%	0.0%
Ceramics/Porcelain	2.2%	0.2%	0.3%	0.4%
Other C&D	0.6%	1.9%	4.6%	1.3%
Other MSW			**1.6%**	
Total Percentage	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Section 3
Municipal Solid Waste Generation

3.1 Introduction and Purpose of Task

This task develops statewide, regional, and county-by-county municipal solid waste (MSW) generation estimates. Generation is that quantity of products considered municipal waste entering the waste management system from residential, commercial, industrial, institutional and C&D sources before materials recovery or disposal takes place. To develop the generation estimates, factors based on Illinois specific economic indicators were applied to 2007 national per capita generation rates that were derived from the U.S. EPA report *Municipal Solid Waste in the United States: 2007 Facts and Figures*[7]. The Illinois factors were adjusted using the composition and waste sector quantity results presented in Section 2 of the report.

The indicators include direct economic data from the U.S. Census Bureau such as median income and product sales as well as indirect indicators such as employment. Federal Highway Administration transportation data were used for tires, lead-acid battery, oil, and oil filter generation. In addition to government statistics, product-specific marketing data was incorporated for the paper and beverage industries.

A description of the generation methodology and the statewide results for total generation; the residential and ICI sectors; and the urban and rural sectors are shown below. Regional results are also summarized. Detailed regional and individual county results are included in Appendix C.

3.2 Methodology

The national average MSW per capita generation rates were derived from the U.S. EPA report *Municipal Solid Waste in the United States: 2007 Facts and Figures*[8]. The national generation rates are developed by a materials flow method, which relies on a mass balance approach. This methodology, developed by the U.S. EPA, has been used consistently since the late eighties in a series of reports sponsored by the Agency to characterize municipal solid waste. The 2007 report used in this study is the latest in that series. The data presented in the EPA report are "as generated" which means the materials are dry and clean and have not been cross-contaminated from wet materials such as food waste or other liquid wastes or have not absorbed moisture from precipitation. Since the Illinois generation estimates are compared to disposal estimates obtained from field sampling and gate house records, the national generation rates were adjusted to account for this increase in weight from moisture contamination.

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[7] U. S. Environmental Protection Agency Office of Solid Waste (5306P). November 2008. EPA530-R-08-010. http://www.epa.gov/epawaste/nonhaz/municipal/pubs/msw07-rpt.pdf

[8] U. S. Environmental Protection Agency Office of Solid Waste (5306P). November 2008. EPA530-R-08-010. http://www.epa.gov/epawaste/nonhaz/municipal/pubs/msw07-rpt.pdf

Determining the moisture contamination of MSW field samples is a costly undertaking. Only one study[9] was identified that included the laboratory analysis necessary to determine contamination levels on a product-by-product basis. Although caution should be used when applying the data to other locations, adjustment of the national generation rates was determined to be critical to this analysis and the Oregon results were applied to the 2007 national rates.

After the national per capita rates were determined, economic indicators were identified that would demonstrate whether Illinois residents generated MSW products at a rate higher or lower than the U.S. average. For example, 2006 Illinois motor vehicle registrations (the latest data available) compared to U.S. registrations shows Illinois had 4.05% of the U.S. registered vehicles in that year. Since Illinois had 4.28% of the U.S. population in 2006, a factor of 0.95 was assumed for lead-acid battery generation in Illinois (4.05/4.28). The U.S. average generation rate was then multiplied by this factor to determine the Illinois per capita rate. Using U.S. Census Bureau 2007 Illinois population statistics,[10] the total tons of lead-acid battery generation was then calculated.

Estimated generation of glass bottles and jars provides an example of how marketing data were used to estimate Illinois generation. The Beer Institute publishes Illinois beer, wine, and liquor consumption and beer packaging data.[11] Beverage Marketing Corporation publishes wine and liquor packaging statistics.[12] The gallons of alcohol consumed in Illinois in glass bottles divided by the average unit volume of a bottle multiplied by the weight of a bottle equals the tons of glass beer, wine, and liquor bottles generated. Per capita rates for beer, wine, and liquor were calculated and added to national per capita rates for soft drink, food, and other bottles and jars to arrive at total recyclable glass bottles and jars generation.

Analyses similar to these two examples were conducted for the other MSW products. For some MSW products, county level indicators were available, while indicator data for other products were available on a state or U.S. regional basis.

For some products, local and national average generation estimates do not exist. Examples of these products include flat glass, HVAC ducting, and household batteries. For products without local or national generation estimates, field sampling data were used to estimate generation.

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[9] Oregon Department of Environmental Quality. *2002 Oregon Solid Waste Characterization and Composition*. Edition 1.2. Appendix C. April 20, 2004.
http://www.deq.state.or.us/lq/sw/disposal/wastecompositionstudy.htm

[10] U.S. Census Bureau. Population Division. Table 1: Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2000 to July 1, 2007. INST-EST2007-01. December 27, 2007. Illinois resident population of 12,852,548 in 2007.

[11] The Beer Institute *Brewers Almanac 2007*. April 26, 2007.

[12] Beverage Marketing Corporation. *2005 Beverage Packaging in the U.S*. November 2005.

Generation estimates for all products were compared to the disposal estimates developed from the field sampling and gate-house records and available recovery data to check for reasonableness. As an additional calibration check, the recovery data from Chicago, Urbana, and McLean County, expressed on a per person basis, were compared to the difference between generation and disposal per capita rates for products where sufficient recovery detail were available.

For this study, a waste sector is identified by the particular generation characteristics that make it a unique portion of the total waste stream. This study examined waste generated by the two distinct sectors residential, ICI and C&D as defined in Section 1.

The U.S. EPA report *Characterization of Municipal Solid Waste in the United States: 1998 Update*[13] and landfilled MSW characterization results (Section 2) were used to determine the distribution between the statewide residential MSW generation and the statewide ICI MSW generation. The EPA report is the latest published generation data available at the level of detail required for this analysis. The residential/ICI generation distribution estimated from the EPA report was compared, on a product-by-product basis, to the landfilled MSW characterization results to check for reasonableness. The percentages of residential and ICI MSW at the point of generation will vary slightly from the same measurement at the point of disposal due to recovery of recyclable materials. This change in composition is primarily due to the recovery of old corrugated containers (OCC) and office paper from the commercial sector. The landfilled MSW characterization results were used for those product categories not included in the U.S. EPA report. For example, flat glass and HVAC ducting.

As described in Section 1, counties were classified as either urban or rural based on the RUC code and the generation estimates were summed for each classification.

Table 3-1 lists the material categories used for this study compared to the corresponding U.S. product categories, and the Illinois methodology and indicators used to estimate MSW generation. For some products, there is a direct match between the IRA sorting categories and the U.S. product categories (see newsprint, high grade office paper). For other products, U.S product categories were combined to match the IRA categories (see magazines/catalogs, uncoated OCC/Kraft). When IRA categories were more detailed than the U.S. categories (see HDPE bottles, jars, and containers), the U.S. product categories were combined and then redistributed to the IRA categories based on the field sampling data. The IRA sorting categories with no corresponding U.S. product category relied on Illinois field sampling data. As described in Section 1, CCDD was not considered as part of Illinois MSW generation.

[13] United States Environmental Protection Agency Office of Solid Waste. *Characterization of Municipal Solid Waste in the United States: 1998 Update.* August 1999.

Table 3-1. MSW Generation Methodology Summary

Material Class	Material Category	U.S. Product Category	Data Source/ Methodology
PAPER	Newsprint	Newsprint (ONP)	County level market data; circulation of newspapers and weight of newspapers
	High Grade Office Paper	High Grade Office Paper	Generation factors applied to county employment statistics
	Magazines/Catalogs	Magazines	County level market data; circulation of magazines
		Commercial Printing	National average
	Uncoated OCC/Kraft	Old Corrugated Containers	Generation factors applied to county employment statistics
		Paper Bags and Sacks	National average adjusted with economic indicator - County level median income
		Other Paperboard Packaging	National average adjusted with economic indicator - County level median income
	Boxboard	Boxboard	National average adjusted with economic indicator - Illinois food store sales
	Mixed Paper - Recyclable	Standard Mail	National average adjusted with sampling data
		Directories	National average adjusted with sampling data
		Books	National average adjusted with sampling data
	Compostable Paper and Other Paper - *Distribution of U.S. categories based on sampling study results*	Tissue Paper & Towels	National average
		Paper Plates and Cups	National average
		Other Nonpackaging Paper	National average
		Other Paper Packaging	National average adjusted with economic indicator - County level median income
Beverage Containers	Milk & Juice Cartons/Boxes - Coated	Milk Cartons	USDA Illinois market data adjusted with sampling data
PLASTICS	#1 PET Bottles/Jars and #1 Other PET Containers - *Distribution of U.S. categories based on sampling study results*	PET Soft Drink	National average adjusted with economic indicator - State level median income adjusted with sampling data
		PET Containers & Packaging	National average adjusted with economic indicator - State level median income adjusted with sampling data
	#2 HDPE Bottles/Jars - Clear, #2 HDPE Bottles/Jars - Color, and #2 Other HDPE Containers - *Distribution of U.S. categories based on sampling study results*	HDPE Milk	USDA Illinois market data adjusted with sampling data
		HDPE Other Containers	USDA Illinois market data adjusted with sampling data
	#6 Exp. Polystyrene Packaging and #3-#7 Other - All - *Distribution of U.S. categories based on sampling study results*	Other Containers	National average adjusted with economic indicator - Illinois food store sales adjusted with sampling data
		Plastic Food Service	National average
		Other Plastics Packaging	National average adjusted with economic indicator - County level median income
	Other Rigid Plastic Products		See Inorganics section below
	Grocery & Merchandise Bags	Plastic Bags and Sacks	National average adjusted with economic indicator - County level median income adjusted with sampling data
	Trash Bags	Trash Bags	National average adjusted with sampling data
	Commercial & Industrial Film	Wrap	National average adjusted with economic indicator - County level median income adjusted with sampling data
	Other Film	Other Film	Illinois sampling data
	Other Plastic	Other Miscellaneous Packaging	National average adjusted with economic indicator - County level median income
		Miscellaneous Nondurables	National average adjusted with economic indicator - County level median income adjusted with sampling data

Material Class	Material Category	U.S. Product Category	Data Source/ Methodology
GLASS	Recyclable Glass Bottles & Jars	Glass Beer and Soft Drink Bottles	Illinois market data and national average
		Glass Wine and Liquor Bottles	Illinois market data
		Food and Other Bottles & Jars	National Average
	Flat Glass		Illinois sampling data
	Other Glass		See Inorganics section below
METALS	Aluminum Beverage Containers	Aluminum Beverage Containers & Foil and Closures	Illinois and U.S. regional level market data
	Other Aluminum		See Inorganics section below
	HVAC Ducting		Illinois sampling data
	Ferrous Containers (Tin Cans)	Steel Food and Other Cans and Other Steel Packaging	National average adjusted with sampling data
	Other Ferrous		See Inorganics section below
	Other Non-Ferrous	Other Non-Ferrous	Illinois sampling data
	Other Metal		See Inorganics section below
ORGANICS	Yard Waste - Compostable and Yard Waste - Woody - *Distribution of U.S. category based on sampling study results*	Yard waste	National average adjusted for affect of yard waste legislation
	Food Scraps	Food Scraps	National average adjusted with economic indicators – Residential - Illinois food store sales, Commercial - County accommodation and food services sales adjusted with sampling data
	Bottom Fines & Dirt		Illinois sampling data
	Diapers	Diapers	National average adjusted with sampling data
	Other Organic	Other Organic	Illinois sampling data
INORGANICS	Televisions	Televisions	National average adjusted with economic indicator - Illinois electronics store sales
	Computer Monitors	Computer Monitors	National average adjusted with economic indicator - Illinois electronics store sales
	Computer Equipment/Peripherals	Computer Equipment/Peripherals	National average adjusted with economic indicator - Illinois electronics store sales
	Electronic Equipment - *Distribution of U.S. categories based on sampling study results*	Other Electronic Equipment	National average adjusted with economic indicator - Illinois electronics store sales
		Small Appliances	National average adjusted with economic indicator - Illinois electronics store sales
	White Goods - Refrigerated	White Goods - refrigerated	National average adjusted with economic indicator - Illinois historical appliance store sales
	White Goods - Not refrigerated	White Goods - not refrigerated	National average adjusted with economic indicator - Illinois historical appliance store sales
	Lead-acid Batteries	Lead-acid Batteries	National average adjusted with Illinois motor vehicle registrations
	Other Household Batteries		Illinois sampling data
	Tires	Tires	National average adjusted with Illinois automotive fuel consumed and miles traveled per registered vehicle
	Other Rigid Plastic Products, Other Glass, Other Ferrous, Other Metal, Household Bulky Items - *Distribution of U.S. categories based on sampling study results*	Furniture and Furnishings	National average adjusted with economic indicator - Illinois historical furniture and furnishings store sales
		Miscellaneous Durable Goods	National average adjusted with economic indicator - average of factors developed for white goods, electronics, furniture & furnishings
		Miscellaneous Inorganic Wastes	National Average
	Fluorescent Lights/Ballasts		Illinois sampling data

Material Class	Material Category	U.S. Product Category	Data source/ Methodology
TEXTILES	Carpet	Carpet and rugs	National average adjusted with economic indicator - Illinois number of carpet installers adjusted with sampling data
	Carpet Padding	Carpet padding	National average adjusted with economic indicator - Illinois number of carpet installers adjusted with sampling data
	Clothing	Clothing	National average adjusted with economic indicator - County median income
	Other Textiles	Footwear and Linen	National average adjusted with sampling data
Household Hazardous Waste (HHW)	Latex Paint		Illinois sampling data
	Oil Paint		Illinois sampling data
	Plant/Organism/Pest Control/Growth		Illinois sampling data
	Used Oil/Filters	Used Oil and Used Oil Filters	National average adjusted with Illinois motor vehicle registration, salvaged vehicles, and annual miles driven
	Other Automotive Fluids	Transmission Fluid	National average adjusted with Illinois motor vehicle registration, salvaged vehicles, and annual miles driven
	Mercury-Containing Items		Illinois sampling data
	Sharps & Infectious Waste		Illinois sampling data
	Ash, Sludge, & Industrial Wastes		Illinois sampling data
	Sewage Solids		Illinois sampling data
	Other HHW		Illinois sampling data
Construction & Demolition (C&D)	Clean Dimensional Lumber		Illinois sampling data
	Clean Engineered Wood		Illinois sampling data
	Wood Pallets	Wood Pallets	National average adjusted with economic indicator - County level median income
	Painted Wood		Illinois sampling data
	Treated Wood		Illinois sampling data
	Concrete		Illinois sampling data
	Reinforced Concrete		Illinois sampling data
	Asphalt Paving		Illinois sampling data
	Rock & Other Aggregates		Illinois sampling data
	Bricks		Illinois sampling data
	Gypsum Board		Illinois sampling data
	Composition Shingles		Illinois sampling data
	Other Roofing		Illinois sampling data
	Plastic C&D materials		Illinois sampling data
	Ceramics/Porcelain		Illinois sampling data
	Other C&D		Illinois sampling data

3.3 Summary of Results

The Illinois MSW generation, shown in the following tables and figures, is divided into the following ten material classes:

- Paper
- Beverage Containers
- Plastic
- Glass
- Metals

- Organics
- Inorganics
- Textiles
- HHW
- C&D

The generation composition and quantity results are provided both on a per capita basis and total tons generated in 2007. The percentages that are shown on the tables and figures are calculated as a percentage of total generation. Results are provided for the following MSW sectors:

- Total Illinois MSW Generation
- Residential MSW Generation
- ICI MSW Generation
- Urban MSW Generation (from urban county data)
- Rural MSW Generation (from rural county data)
- IEPA Regions 1 through 7 Generation (from county data)
- County Generation (Appendix C)

3.3.1 Per Capita Statewide MSW Generation

Table 3-2 compares U.S. and Illinois per capita generation. For most products, Illinois generation rates are higher than national averages. Two MSW generation demographic drivers that increase generation include median income and level of urbanization. The Illinois statewide 2005 median income was nine percent higher than the U.S. average and 87% of the Illinois population lives in urban areas compared to 79% on the national level.[14]

The Illinois total MSW generation rate was determined to be 2,947 pounds per person per year or 8.07 pounds per person per day. This rate includes household hazardous waste, C&D, and other wastes such as flat glass and HVAC ducting that are not included in national average per capita rates referenced.

A summation of those categories shown in Table 3-2 with both U.S. and Illinois average per capita rates, estimates that the Illinois per capita rates is 19% higher than

[14] U.S. Department of Agriculture. Economic Research Service. http://www.ers.usda.gov/U.S. Census Bureau. Table: GCT-P1 Urban/Rural and Metropolitan/Nonmetropolitan Population: 2000. http://factfinder.census.gov/servlet/GCTGeoSearchByListServlet?_lang=en&_ts=250790240787

the national average (2,088 pounds per person per year in Illinois compared to 1,751 pounds per person per year for the national average).

Paper products make up the largest material category, by weight. Newsprint and Uncoated Old Corrugated Containers (OCC)/Kraft are generated at about 1.5 times the national average. Newsprint generation was estimated from county-level circulation data on number of papers sold combined with newsprint consumption (by weight) of the individual papers. OCC generation was estimated by county-level employment statistics multiplied by per employee generation factors.

Individual products generated at a rate of about two times the national rate include trash bags, commercial and industrial film, other film, diapers, carpets, and carpet padding. The generation methodology for these products included an adjustment of the economic indicator estimates with Illinois sampling data. This would suggest that these products had a higher than anticipated contamination rate from food and other liquid wastes and possibly precipitation.

3.3.2 Total Statewide MSW Generation

Total statewide MSW generation in 2007 was 18.9 million tons or 8.06 pounds per person per day (see Table 3-4). Generation by material class is shown in Figure 3-1. Paper products comprise the largest portion of MSW generated, at 28%. C&D was the second largest fraction, at 23%. The third largest category of MSW generation is organic material, which made up 19% of total MSW generation. Plastic products are 11% of generation and the remaining categories total 19%. Table 3-3 depicts the top ten material categories and their respective generation in tons.

Figure 3-1. Statewide MSW Generation By Material Class, (% of Generation)

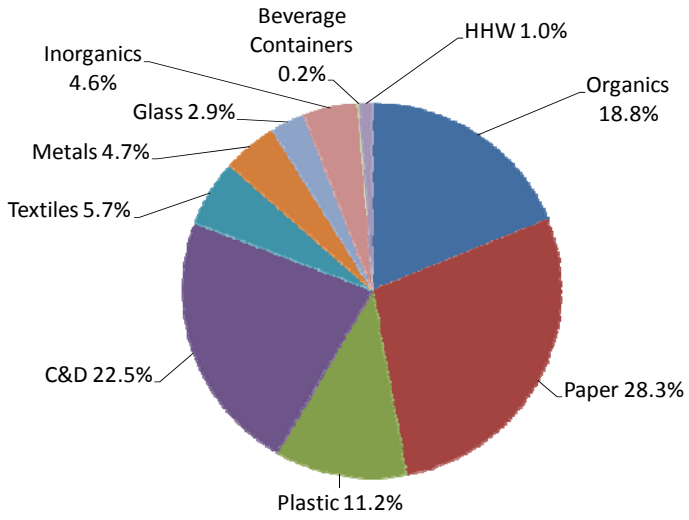


Table 3-2 Statewide Per Capita Municipal Solid Waste (MSW) Generation
(pounds per person per year)

		U.S. Generation* (lb/c/yr)	Illinois Generation (lb/c/yr)
Paper			
	Newsprint	91.0	135.1
	High Grade Office Paper	41.6	45.3
	Magazines/Catalogs	65.2	65.9
	Uncoated OCC/Kraft	252.1	379.1
	Boxboard	42.3	40.6
	Mixed Paper - Recyclable	59.4	71.3
	Compostable Paper	73.0	73.9
	Other Paper	21.9	22.2
Beverage Containers			
	Milk & Juice Cartons/Boxes - Coated	3.8	5.4
Plastic			
	#1 PET Bottles/Jars	20.5	25.6
	#1 Other PET Containers	1.7	2.2
	#2 HDPE Bottles/Jars - Clear	6.8	10.0
	#2 HDPE Bottles/Jars - Color	9.9	14.6
	#2 Other HDPE Containers	1.4	2.0
	#6 Exp. Polystyrene Packaging	18.5	19.0
	#3-#7 Other - All	18.7	19.3
	Other Rigid Plastic Products	87.9	91.2
	Grocery & Merchandise Bags	8.9	12.7
	Trash Bags	9.5	25.8
	Commercial & Industrial Film	14.8	34.0
	Other Film	13.3	30.3
	Other Plastic	31.8	43.3
Glass			
	Recyclable Glass Bottles & Jars	77.4	80.9
	Flat Glass		3.8
	Other Glass	1.4	1.5
Metal			
	Aluminum Beverage Containers	14.6	15.7
	Other Aluminum	12.5	13.0
	HVAC Ducting		0.7
	Ferrous Containers (Tin Cans)	19.3	27.0
Metal			
	Other Ferrous	53.2	55.2
	Other Non-Ferrous		5.1
	Other Metal	20.7	21.5
Organics			
	Yard Waste - Compostable	112.8	73.3
	Yard Waste - Woody	103.5	67.3
	Food Scraps	213.5	286.0
	Bottom Fines & Dirt		20.0
	Diapers	24.7	46.8
	Other Organic		60.5
Inorganics			
	Televisions	6.3	6.5
	Computer Monitors	4.5	4.6
	Computer Equipment/Peripherals	5.1	5.3
	Electronic Equipment	23.4	24.2
	White Goods - Refrigerated	7.5	8.6
	White Goods - Not refrigerated	16.5	19.0
	Lead-acid Batteries	16.8	16.0
	Other Household Batteries		1.1
	Tires	32.6	29.0
	Household Bulky Items	21.4	22.2
	Fluorescent Lights/Ballasts		0.1
Textiles			
	Carpet	18.6	38.7
	Carpet Padding	2.7	5.7
	Clothing	48.0	52.3
	Other Textiles		72.2
Household Hazardous Waste			28.8
Construction and Demolition Debris (C&D)			660.9
Total MSW (pounds/person/year)			***2,942***
Total MSW (pounds/person/day)			***8.06***

* U.S. generation estimates adjusted for moisture contamination.

Sources: United States Environmental Protection Agency Office of Solid Waste. *Municipal Solid Waste in the United States: 2007 Facts and Figures.* November 2008. EPA530-R-08-010. http://www.epa.gov/epawaste/nonhaz/municipal/pubs/msw07-rpt.pdf

Oregon Department of Environmental Quality. *2002 Oregon Solid Waste Characterization and Composition*. Edition 1.2. Appendix C. April 20, 2004. http://www.deq.state.or.us/lq/sw/disposal/wastecompositionstudy.htm

Paper products account for over five million tons of MSW generation. Uncoated OCC/Kraft is by far the largest single component of paper products, at 2.4 million tons. Newsprint is the next largest at about 0.9 million tons.

C&D products are estimated at almost 4.3 million tons. Treated wood is the single largest component of C&D, at 0.6 million tons. Concrete, gypsum board, and composition shingles account for between 0.4 and 0.5 million tons each.

Food scraps is the largest single component of the organic materials category, at 1.8 million tons. Overall yard waste (compostable and woody combined) accounts for another 0.9 million tons of the organic materials category.

Total plastic generation is estimate at 2.1 million tons. Other Rigid Plastic Products accounts for almost 0.6 million tons. Examples of Other Rigid Plastic Products include plastic outdoor furniture, plastic toys, sporting goods, CDs, plastic house wares, tool boxes, and plastic buckets.

Table 3-3. Top Ten MSW Generation Individual Material Categories

Category	Waste Composition Tons	Cum. Tons
Uncoated OCC/Kraft	2,436,210	2,436,210
Food Scraps	1,838,100	4,274,310
Newsprint	868,130	5,142,440
Treated Wood	604,760	5,747,200
Other Rigid Plastic Products	586,130	6,333,330
Recyclable Glass Bottles & Jars	520,020	6,853,350
Compostable Paper	474,730	7,328,080
Gypsum Board	472,380	7,800,460
Yard Waste - Compostable	471,250	8,271,710
Other Textiles	463,770	8,735,480
Total	**8,735,480**	

Table 3-4 Statewide MSW Generation

	Total (tons)	Residential (tons)		ICI (tons)	
Paper	***5,354,230***	***2,153,700***	***40%***	***3,200,530***	***60%***
Newsprint	868,130	737,910		130,220	
High Grade Office Paper	290,910	72,730		218,180	
Magazines/Catalogs	423,250	275,110		148,140	
Uncoated OCC/Kraft	2,436,210	243,620		2,192,590	
Boxboard	260,700	156,420		104,280	
Mixed Paper - Recyclable	457,880	297,620		160,260	
Compostable Paper	474,730	284,840		189,890	
Other Paper	142,420	85,450		56,970	
Beverage Containers	***34,460***	***12,060***	***35%***	***22,400***	***65%***
Milk & Juice Cartons/Boxes - Coated	34,460	12,060		22,400	
Plastic	***2,120,170***	***1,239,080***	***58%***	***881,090***	***42%***
#1 PET Bottles/Jars	164,620	131,700		32,920	
#1 Other PET Containers	13,850	11,080		2,770	
#2 HDPE Bottles/Jars - Clear	64,400	51,520		12,880	
#2 HDPE Bottles/Jars - Color	93,670	74,940		18,730	
#2 Other HDPE Containers	13,170	10,540		2,630	
#6 Exp. Polystyrene Packaging	122,320	56,270		66,050	
#3-#7 Other - All	123,750	99,000		24,750	
Other Rigid Plastic Products	586,130	304,790		281,340	
Grocery & Merchandise Bags	81,400	73,260		8,140	
Trash Bags	166,030	79,690		86,340	
Commercial & Industrial Film	218,380	29,480		188,900	
Other Film	194,500	155,600		38,900	
Other Plastic	277,950	161,210		116,740	
Glass	***554,150***	***360,040***	***65%***	***194,110***	***35%***
Recyclable Glass Bottles & Jars	520,020	338,010		182,010	
Flat Glass	24,500	15,190		9,310	
Other Glass	9,630	6,840		2,790	
Metal	***887,890***	***504,800***	***57%***	***383,090***	***43%***
Aluminum Beverage Containers	100,800	80,640		20,160	
Other Aluminum	83,500	41,750		41,750	
HVAC Ducting	4,200	3,820		380	
Ferrous Containers (Tin Cans)	173,400	138,720		34,680	
Other Ferrous	354,890	170,350		184,540	
Other Non-Ferrous	33,000	19,800		13,200	
Other Metal	138,100	49,720		88,380	
Organics	***3,560,120***	***1,970,080***	***55%***	***1,590,040***	***45%***
Yard Waste - Compostable	471,250	344,010		127,240	
Yard Waste - Woody	432,510	142,730		289,780	
Food Scraps	1,838,100	919,050		919,050	
Bottom Fines & Dirt	128,760	72,110		56,650	
Diapers	300,490	270,440		30,050	
Other Organic	389,010	221,740		167,270	
Inorganics	***877,570***	***382,610***	***44%***	***494,960***	***56%***
Televisions	41,830	39,740		2,090	
Computer Monitors	29,450	13,840		15,610	
Computer Equipment/Peripherals	33,760	6,410		27,350	
Electronic Equipment	155,770	93,460		62,310	
White Goods - Refrigerated	55,430	5,540		49,890	

	Total (tons)	Residential (tons)		ICI (tons)	
Inorganics					
White Goods - Not refrigerated	121,940	12,190		109,750	
Lead-acid Batteries	102,810	82,250		20,560	
Other Household Batteries	6,850	5,210		1,640	
Tires	186,220	9,310		176,910	
Household Bulky Items	142,920	114,340		28,580	
Fluorescent Lights/Ballasts	590	320		270	
Textiles	***1,085,650***	***676,040***	***62%***	***409,610***	***38%***
Carpet	248,990	199,190		49,800	
Carpet Padding	36,560	29,250		7,310	
Clothing	336,330	201,800		134,530	
Other Textiles	463,770	245,800		217,970	
Household Hazardous Waste	***184,790***	***82,740***	***45%***	***102,050***	***55%***
Latex Paint	12,550	11,920		630	
Oil Paint	1,730	1,730		0	
Plant/Organism/Pest Control/Growth	130	30		100	
Used Oil/Filters	117,890	48,330		69,560	
Other Automotive Fluids	14,390	14,390		0	
Mercury-Containing Items	50	0		50	
Sharps & Infectious Waste	2,980	270		2,710	
Ash, Sludge, & Industrial Wastes	8,370	170		8,200	
Sewage Solids	0	0		0	
Other HHW	26,700	5,900		20,800	
MSW Excluding C&D (tons)	***14,659,030***	***7,381,150***	***50%***	***7,277,880***	***50%***
MSW Excluding C&D (pounds/person/day)	***6.25***	***3.15***		***3.10***	
Construction and Demolition Debris (C&D)	***4,247,060***	***1,302,630***	***31%***	***2,944,430***	***69%***
Clean Dimensional Lumber	380,370	68,470		311,900	
Clean Engineered Wood	365,480	105,990		259,490	
Wood Pallets	380,830	30,470		350,360	
Painted Wood	269,500	126,670		142,830	
Treated Wood	604,760	302,380		302,380	
Concrete	401,860	28,130		373,730	
Reinforced Concrete	39,240	0		39,240	
Asphalt Paving	6,120	0		6,120	
Rock & Other Aggregates	233,140	74,600		158,540	
Bricks	64,820	14,910		49,910	
Gypsum Board	472,380	146,440		325,940	
Composition Shingles	407,870	106,050		301,820	
Other Roofing	79,140	79,140		0	
Plastic C&D Materials	18,770	3,570		15,200	
Ceramics/Porcelain	148,670	130,830		17,840	
Other C&D	206,830	68,250		138,580	
Uncoated OCC/Kraft	16,080	1,610		14,470	
Bottom Fines & Dirt	109,330	10,930		98,400	
Other Organic	15,600	1,560		14,040	
Mixed MSW	26,270	2,630		23,640	
C&D (pounds/person/day)	***1.81***	***0.56***		***1.26***	
Total MSW (tons)	***18,906,090***	***8,683,780***	***46%***	***10,222,310***	***54%***
Total MSW (pounds/person/day)	***8.06***	***3.70***		***4.36***	

Sources: Total generation -Table 2.2 per capita generation times Illinois 2007 population of 12,852,548.
Residential/ICI - United States Environmental Protection Agency Office of Solid Waste. *Characterization of Municipal Solid Waste in the United States: 1998 Update*. August 1999.
Residential/ICI - Illinois sampling study. Fall 2008.

3.3.3 Residential/ICI Statewide MSW Generation

Table 3-4 also shows the MSW generation split between residential and ICI. The residential portion is 46% of total generation; the ICI portion is 54%. Total MSW generation excluding C&D is shown at 50% from each sector. Major product categories range from 31% of the C&D to 65% of the glass is generated from the residential sector.

Some categories such as mercury-containing items, reinforced concrete, and asphalt paving are generated only in the commercial sector. Oil paint, other automotive fluids, and other roofing are shown to come 100% from the residential sector. Since the methodology for estimating these materials relied on field sampling data, it is possible that these materials are generated in both the residential and ICI sectors but were missed during the field sampling period.

3.3.4 Urban/Rural Statewide MSW Generation

MSW generation is typically higher in an urban community compared to a rural community. Urban newspapers tend to be larger and there is increased commercial activity in urbanized areas.

The statewide urban / rural spilt was derived from the individual county generation estimates shown in the appendices to this report. Counties were classified as either urban or rural and the generation estimates were summed for each classification. Figure 3-2 summarizes the county annual generation estimates.

Tables 3-5 and 3-6 show Illinois urban and rural MSW generation. Eighty-seven percent of the state's population lives in urban areas; 13% reside in rural areas. Eighty-eight percent of the statewide MSW generation is from urban areas (16.7 million tons / 18.9 million tons). Table 3-5 shows total MSW generation in urban areas is 8.17 pounds per person per day; MSW generation in rural areas is 7.32 pounds per person per day (see Table 3-6).

Comparing the per capita rates shown in these two tables shows that paper generation is 25% higher in urban areas (855 pounds per capita per year urban / 683 pounds per capita per year rural). Plastics are 10% higher, organics are 11% higher, and textiles are 24% higher in urban areas.

Table 3-5. Urban MSW Generation

	Urban Generation (lb/c/yr)	Urban Generation (tons)		Urban Generation (lb/c/yr)	Urban Generation (tons)
Paper	***855.5***	***4,783,930***	***Metal***		
Newsprint	143.6	803,150	Other Ferrous	55.2	308,820
High Grade Office Paper	47.0	262,900	Other Non-Ferrous	5.1	28,690
Magazines/Catalogs	65.4	365,640	Other Metal	21.5	120,170
Uncoated OCC/Kraft	391.6	2,189,890			
Boxboard	40.6	226,870	***Organics***	***561.5***	***3,139,680***
Mixed Paper - Recyclable	71.2	398,410	Yard Waste - Compostable	73.3	410,040
Compostable Paper	73.9	413,140	Yard Waste - Woody	67.3	376,350
Other Paper	22.2	123,930	Food Scraps	293.5	1,641,320
			Bottom Fines & Dirt	20.0	112,010
Beverage Containers	***5.4***	***29,970***	Diapers	46.8	261,510
Milk & Juice Cartons/Boxes - Coated	5.4	29,970	Other Organic	60.5	338,450
Plastic	***334.0***	***1,867,640***	***Inorganics***	***136.6***	***763,770***
#1 PET Bottles/Jars	25.6	143,270	Televisions	6.5	36,430
#1 Other PET Containers	2.2	12,050	Computer Monitors	4.6	25,640
#2 HDPE Bottles/Jars - Clear	10.0	56,060	Computer Equipment/Peripherals	5.3	29,360
#2 HDPE Bottles/Jars - Color	14.6	81,500	Electronic Equipment	24.2	135,570
#2 Other HDPE Containers	2.0	11,400	White Goods - Refrigerated	8.6	48,220
#6 Exp. Polystyrene Packaging	19.5	109,220	White Goods - Not refrigerated	19.0	106,120
#3-#7 Other - All	19.8	110,490	Lead-acid Batteries	16.0	89,460
Other Rigid Plastic Products	91.2	510,030	Other Household Batteries	1.1	5,950
Grocery & Merchandise Bags	13.1	73,240	Tires	29.0	162,070
Trash Bags	25.8	144,460	Household Bulky Items	22.2	124,370
Commercial & Industrial Film	35.1	196,540	Fluorescent Lights/Ballasts	0.1	580
Other Film	30.3	169,230			
Other Plastic	44.7	250,150	***Textiles***	***173.2***	***968,510***
			Carpet	38.7	216,660
Glass	***86.2***	***482,230***	Carpet Padding	5.7	31,850
Recyclable Glass Bottles & Jars	80.9	452,500	Clothing	54.1	302,640
Flat Glass	3.8	21,300	Other Textiles	74.6	417,360
Other Glass	1.5	8,430			
			Household Hazardous Waste	***28.8***	***161,010***
Metal	***138.2***	***772,650***			
Aluminum Beverage Containers	15.7	87,710	***Construction and Demolition Debris (C&D)***	***662.9***	***3,706,790***
Other Aluminum	13.0	72,670			
HVAC Ducting	0.7	3,670	***Total MSW (tons)***		***16,676,180***
Ferrous Containers (Tin Cans)	27.0	150,920	***Total MSW (pounds/person/day)***		***8.17***

Sources: Urban/rural - U.S. Department of Agriculture. Economic Research Center. http://www.ers.usda.gov/Data/Population/PopList.asp?ST=IL&LongName=Illinois
2007 population U.S. Census Bureau. 11,183,543
Bond, Boone, Calhoun, Champaign, Clinton, Cook, DeKalb, DuPage, Ford, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Lake, Macon, Macoupin, Madison, Marshall, McHenry, McLean, Menard, Mercer, Monroe, Peoria, Piatt, Rock Island, Sangamon, St. Clair , Stark, Tazewell, Vermilion, Will, Winnebago, Woodford Counties.

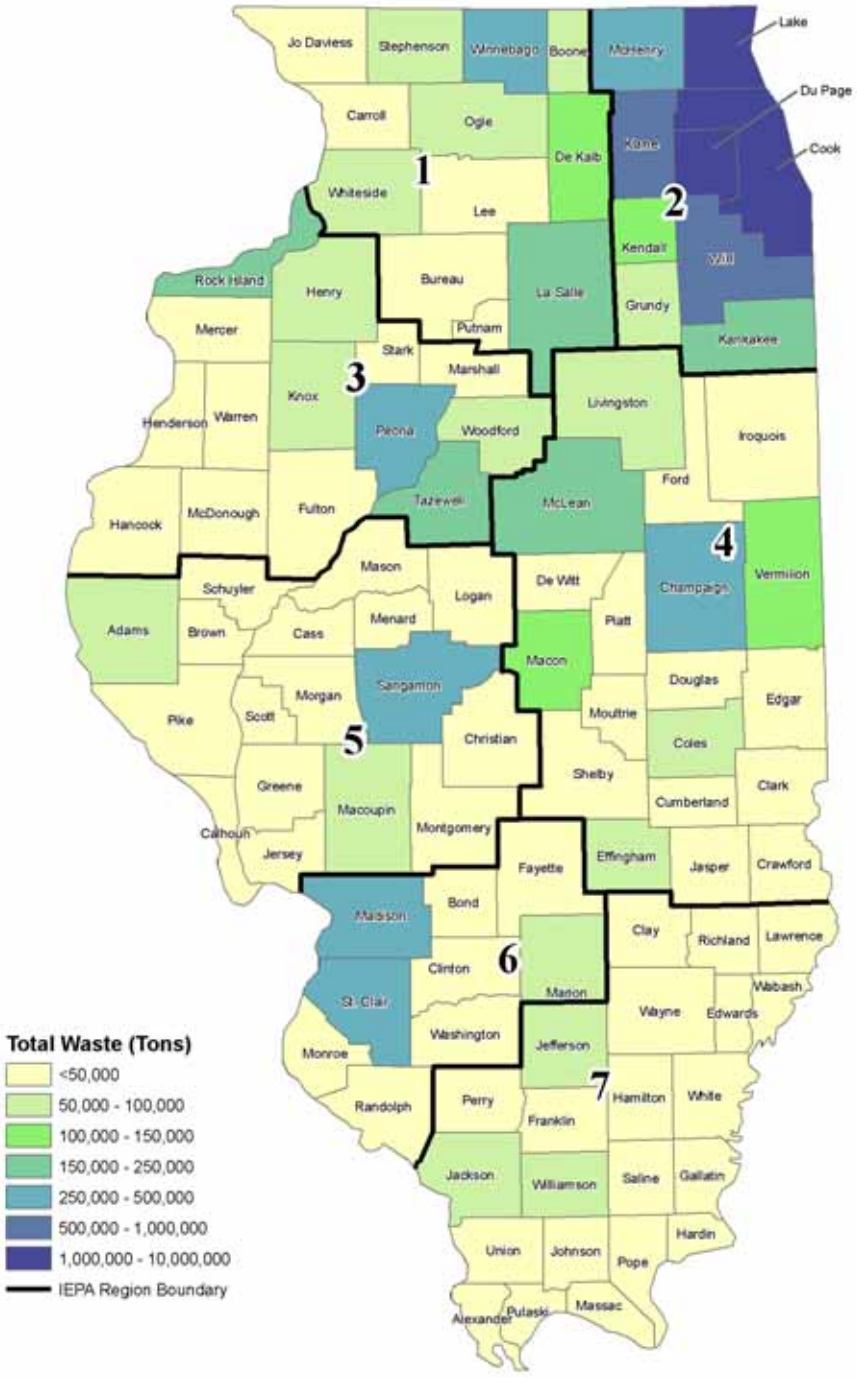
Table 3-6 Rural MSW Generation

	Rural Generation (lb/c/yr)	Rural Generation (tons)
Paper	***683.4***	***570,300***
Newsprint	77.9	64,980
High Grade Office Paper	33.6	28,010
Magazines/Catalogs	69.0	57,610
Uncoated OCC/Kraft	295.2	246,320
Boxboard	40.5	33,830
Mixed Paper - Recyclable	71.3	59,470
Compostable Paper	73.8	61,590
Other Paper	22.2	18,490
Beverage Containers	***5.4***	***4,490***
Milk & Juice Cartons/Boxes - Coated	5.4	4,490
Plastic	***302.6***	***252,530***
#1 PET Bottles/Jars	25.6	21,350
#1 Other PET Containers	2.2	1,800
#2 HDPE Bottles/Jars - Clear	10.0	8,340
#2 HDPE Bottles/Jars - Color	14.6	12,170
#2 Other HDPE Containers	2.1	1,770
#6 Exp. Polystyrene Packaging	15.7	13,100
#3-#7 Other - All	15.9	13,260
Other Rigid Plastic Products	91.2	76,100
Grocery & Merchandise Bags	9.8	8,160
Trash Bags	25.8	21,570
Commercial & Industrial Film	26.2	21,840
Other Film	30.3	25,270
Other Plastic	33.3	27,800
Glass	***86.2***	***71,920***
Recyclable Glass Bottles & Jars	80.9	67,520
Flat Glass	3.8	3,200
Other Glass	1.4	1,200
Metal	***138.1***	***115,240***
Aluminum Beverage Containers	15.7	13,090
Other Aluminum	13.0	10,830
HVAC Ducting	0.6	530
Ferrous Containers (Tin Cans)	26.9	22,480

	Rural Generation (lb/c/yr)	Rural Generation (tons)
Metal		
Other Ferrous	55.2	46,070
Other Non-Ferrous	5.2	4,310
Other Metal	21.5	17,930
Organics	***503.8***	***420,440***
Yard Waste - Compostable	73.3	61,200
Yard Waste - Woody	67.3	56,170
Food Scraps	235.8	196,780
Bottom Fines & Dirt	20.1	16,750
Diapers	46.7	38,980
Other Organic	60.6	50,560
Inorganics	***136.4***	***113,800***
Televisions	6.5	5,400
Computer Monitors	4.6	3,810
Computer Equipment/Peripherals	5.3	4,400
Electronic Equipment	24.2	20,200
White Goods - Refrigerated	8.6	7,210
White Goods - Not refrigerated	19.0	15,820
Lead-acid Batteries	16.0	13,350
Other Household Batteries	1.1	900
Tires	28.9	24,150
Household Bulky Items	22.2	18,550
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***140.4***	***117,140***
Carpet	38.7	32,330
Carpet Padding	5.6	4,710
Clothing	40.4	33,690
Other Textiles	55.6	46,410
Household Hazardous Waste	***28.5***	***23,780***
Construction and Demolition Debris (C&D)	***647.4***	***540,270***
Total MSW (tons)		***2,229,910***
Total MSW (pounds/person/day)		***7.32***

Sources: Urban/rural - U.S. Department of Agriculture. Economic Research Center. http://www.ers.usda.gov/Data/Population/PopList.asp?ST=IL&LongName=Illinois
2007 population U.S. Census Bureau. 1,669,005
Adams, Alexander, Brown, Bureau, Carroll, Cass, Christian, Clark, Clay, Coles, Crawford, Cumberland, DeWitt, Douglas, Edgar, Edwards, Effingham, Fayette, Franklin, Fulton, Gallatin, Greene, Hamilton, Hancock, Hardin, Henderson, Iroquois, Jackson, Jasper , Jefferson, Jo Daviess, Johnson, Knox, LaSalle, Lawrence, Lee, Livingston, Logan, Marion, Mason, Massac, McDonough, Montgomery, Morgan, Moultrie, Ogle, Perry, Pike, Pope, Pulaski, Putnam, Randolph, Richland, Saline, Schuyler, Scott, Shelby, Stephenson, Union, Wabash, Washington, Wayne, White, Whiteside, Williamson Counties.

Figure 3-2. Illinois County Annual MSW Generation

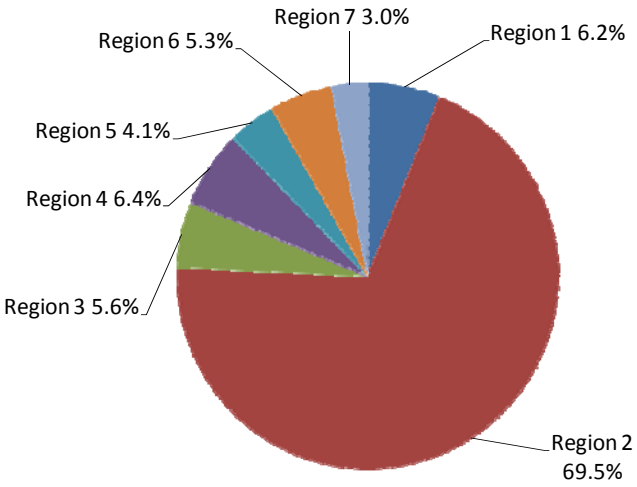


3.3.5 MSW Generation by IEPA Region

The regional summary shown in Table 3-7 was derived from the summation of the individual county generation estimates included in the appendices to this report and shown in Figure 3-2. Table 3-7 displays the ten main product categories for each region on a per person basis and total generation in tons. Figure 3-2 identifies the counties included in each IEPA Region and detailed region-by-region MSW data are provided in the appendices.

As illustrated in Figure 3-3, Region 2 generates the largest portion of Illinois MSW at 70%. This region includes over 67% of the state's population. The remaining regions generate between 3 and 6% of the statewide MSW.

Figure 3-3. MSW Generation by IEPA Regions (% of statewide generation)



On a per capita basis, Region 2 also has the highest waste generation rate at 8.31 pounds per person per day (see Table 3-7 and Figure 3-4). The other regions range from 7.15 to 7.70 pounds per person per day. The statewide per capita rate is 8.06 pounds per person per day.

Figure 3-4. Per Capita MSW Generation by IEPA Region (pound per capita per day)

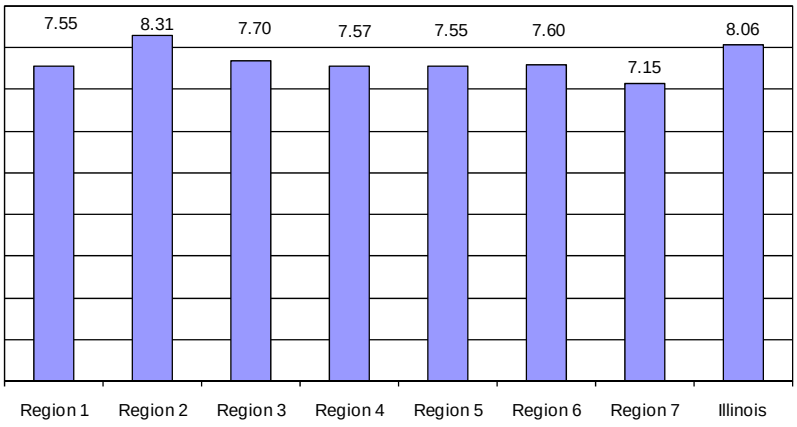


Table 3-7. MSW Generation by IEPA Regions

	Regional Generation (lb/c/yr)	Regional Generation (tons)		Regional Generation (lb/c/yr)	Regional Generation (tons)		Regional Generation (lb/c/yr)	Regional Generation (tons)
Region 1			***Region 2***			***Region 3***		
Paper	722.1	304,760	Paper	886.2	3,841,550	Paper	760.8	285,000
Beverage Containers	5.4	2,260	Beverage Containers	5.4	23,240	Beverage Containers	5.4	2,010
Plastic	316.8	133,720	Plastic	339.0	1,469,640	Plastic	312.6	117,110
Glass	86.2	36,380	Glass	86.2	373,860	Glass	86.1	32,270
Metal	138.2	58,310	Metal	138.2	598,950	Metal	138.2	51,770
Organics	511.9	216,060	Organics	568.4	2,463,980	Organics	538.3	201,650
Inorganics	136.4	57,610	Inorganics	136.6	592,120	Inorganics	136.4	51,140
Textiles	155.0	65,420	Textiles	178.5	773,610	Textiles	150.9	56,540
HHW	28.7	12,100	HHW	28.8	124,870	HHW	28.7	10,750
C&D	654.3	276,150	C&D	665.4	2,884,350	C&D	652.5	244,430
Total MSW (tons)		***1,162,770***	***Total MSW (tons)***		***13,146,170***	***Total MSW (tons)***		***1,052,670***
Total MSW (pounds/person/day)		***7.55***	***Total MSW (pounds/person/day)***		***8.31***	***Total MSW (pounds/person/day)***		***7.70***
Region 4			***Region 5***			***Region 6***		
Paper	727.8	319,130	Paper	726.9	202,560	Paper	718.6	260,200
Beverage Containers	5.4	2,350	Beverage Containers	5.3	1,480	Beverage Containers	5.4	1,960
Plastic	310.4	136,100	Plastic	311.2	86,730	Plastic	315.7	114,310
Glass	86.2	37,810	Glass	86.3	24,040	Glass	86.2	31,220
Metal	138.3	60,620	Metal	138.0	38,460	Metal	138.2	50,050
Organics	527.9	231,470	Organics	521.7	145,390	Organics	534.9	193,680
Inorganics	136.5	59,860	Inorganics	136.4	38,020	Inorganics	136.5	49,450
Textiles	148.8	65,240	Textiles	149.2	41,570	Textiles	154.0	55,750
HHW	28.6	12,550	HHW	28.6	7,960	HHW	28.8	10,410
C&D	651.4	285,600	C&D	651.4	181,530	C&D	653.9	236,750
Total MSW (tons)		***1,210,730***	***Total MSW (tons)***		***767,740***	***Total MSW (tons)***		***1,003,780***
Total MSW (pounds/person/day)		***7.57***	***Total MSW (pounds/person/day)***		***7.55***	***Total MSW (pounds/person/day)***		***7.60***
Region 7						***Illinois Total***		
Paper	654.4	141,030				Paper	833.2	5,354,230
Beverage Containers	5.4	1,160				Beverage Containers	5.4	34,460
Plastic	290.3	62,560				Plastic	329.9	2,120,170
Glass	86.2	18,570				Glass	86.2	554,150
Metal	137.9	29,730				Metal	138.2	887,890
Organics	500.6	107,890				Organics	554.0	3,560,120
Inorganics	136.3	29,370				Inorganics	136.6	877,570
Textiles	127.7	27,520				Textiles	168.9	1,085,650
HHW	28.5	6,150				HHW	28.8	184,790
C&D	641.5	138,250				C&D	660.9	4,247,060
Total MSW (tons)		***562,230***				***Total MSW (tons)***		***18,906,090***
Total MSW (pounds/person/day)		***7.15***				***Total MSW (pounds/person/day)***		***8.06***

Sources: Regional Appendix Tables. See appendix for additional detail and a list of counties included in each region.

2007 population U.S. Census Bureau.

Region 1	844,149	Region 2	8,669,757	Region 3	749,197
Region 4	876,924	Region 5	557,324	Region 6	724,170
Region 7	431,027			Total population	12,852,548

Beverage Containers - Milk & Juice Cartons/Boxes - Coated

HHW - Household Hazardous Waste

C&D - Construction and Demolition Debris

Section 4
MSW Diversion

4.1 Introduction

It is the intent of Illinois law that the recovery of resources and diversion of commodities from landfills should be a fundamental concept in Illinois management goals and can be accomplished using a variety of strategies including source reduction, re-use, recycling, composting and other techniques. The following sections identify materials that could be diverted, estimate the current Illinois diversion rate, compare select Illinois diversion rates to national averages, determine the market value of the recoverable materials, and determine the impact of these materials on the environment.

4.2 Material Recoverability

Table 4-1 summarizes the recoverability (landfill diversion) of the various waste categories of the Illinois waste stream and should be considered a guide and certainly is not absolute. The determination of whether a material may be diverted is based on current recycling practices, technologies, and availability of viable markets – all of which are variable throughout the state. For example, expanded polystyrene packing is potentially recoverable. However, it is extremely difficult to handle in processing, is light weight, requires large storage capability prior to baling, and markets are extremely limited.

Table 4-1. Material Recoverability

		Material Group	Divertibility
PAPER	1	Newsprint	Recoverable
	2	High Grade Office Paper	Recoverable
	3	Magazines/Catalogs	Recoverable
	4	Uncoated OCC/Kraft	Recoverable
	5	Boxboard	Recoverable
	6	Mixed Paper - Recyclable	Recoverable
	7	Compostable Paper	Compostable
	8	Other Paper	Non-recoverable
Beverage Containers	9	Milk and Juice cartons/boxes, coated	Recoverable

		Material Group	Divertibility
PLASTICS	**10**	#1 PET Bottles/Jars	Recoverable
	11	#1 Other PET Containers & Packaging	Potentially Recoverable
	12	#2 HDPE Bottles/Jars - Clear	Recoverable
	13	#2 HDPE Bottles/Jars - Color	Recoverable
	14	#2 Other HDPE Containers & Packaging	Potentially Recoverable
	15	#6 Expanded Polystyrene Packaging (EPS)	Recoverable
	16	#3-#7 Other - All	Potentially Recoverable
	17	Other Rigid Plastic Products	Potentially Recoverable
	18	Grocery & Merchandise Bags	Recoverable
	19	Trash Bags	Potentially Recoverable
	20	Commercial & Industrial Film	Recoverable
	21	Other Film	Potentially Recoverable
	22	Remainder/ Composite Plastic	Non-recoverable
GLASS	**23**	Recyclable Glass Bottles and Jars	Recoverable
	24	Flat Glass	Potentially Recoverable
	25	Other Glass	Non-recoverable
METALS	**26**	Aluminum Beverage Containers	Recoverable
	27	Other Aluminum	Recoverable
	28	HVAC Ducting	Recoverable
	29	Ferrous containers (tin cans)	Recoverable
	30	Other Ferrous	Recoverable
	31	Other Non-Ferrous	Recoverable
	32	Other Metal	Recoverable
ORGANICS	**33**	Yard Waste - Compostable	Compostable
	34	Yard Waste - Woody	Compostable
	35	Food Scraps	Compostable
	36	Bottom Fines and Dirt	Potentially Recoverable
	37	Diapers	Non-recoverable
	38	Other Organic	Potentially Recoverable
C&D	**39**	Clean Dimensional Lumber	Recoverable
	40	Clean Engineered Wood	Recoverable
	41	Wood Pallets	Recoverable
	42	Painted Wood	Non-recoverable
	43	Treated Wood	Non-recoverable
	44	Concrete	Recoverable
	45	Reinforced Concrete	Potentially Recoverable
	46	Asphalt Paving	Recoverable
	47	Rock & Other Aggregates	Recoverable
	48	Bricks	Recoverable
	49	Gypsum Board	Recoverable
	50	Composition Shingles	Recoverable
	51	Other Roofing	Potentially Recoverable
	52	Plastic C&D materials	Potentially Recoverable
	53	Ceramics/Porcelain	Potentially Recoverable
	54	Other C&D	Non-recoverable

		Material Group	Divertibility
INORGANICS	**55**	Televisions	Recoverable
	56	Computer Monitors	Recoverable
	57	Computer Equipment/Peripherals	Recoverable
	58	Electronic Equipment	Recoverable
	59	White Goods - refrigerated	Recoverable
	60	White Goods – not refrigerated	Recoverable
	61	Lead-acid Batteries	Recoverable
	62	Other Household Batteries	Recoverable
	63	Tires	Recoverable
	64	Household Bulky Items	Potentially Recoverable
	65	Fluorescent Lights/Ballasts	Recoverable
HHW	**66**	Latex Paint	Recoverable
	67	Oil Paint	Potentially Recoverable
	68	Plant/Organism/Pest Control/Growth	Potentially Recoverable
	69	Used Oil/Filters	Recoverable
	70	Other Automotive Fluids	Potentially Recoverable
	71	Mercury-Containing Items	Potentially Recoverable
	72	Sharps & Infectious Waste	Non-recoverable
	73	Ash, Sludge, & Other Ind. Process Wastes	Potentially Recoverable
	74	Sewage Solids	Potentially Recoverable
	75	Other HHW	Non-recoverable
TEXTILES	**76**	Carpet	Potentially Recoverable
	77	Carpet Padding	Potentially Recoverable
	78	Clothing	Recoverable
	79	Other Textiles	Non-recoverable

4.3 Illinois Diversion/Recovery Rates

The diversion rate is a key indicator as to the success or failure of recovery efforts. In order to calculate a diversion rate, the quantity of materials generated must be known as well as a knowledge of the quantity of materials recovered using the strategies named above. Unfortunately the task of ascertaining the quantity of materials being recovered was beyond the scope of this Study. Nonetheless, a diversion rate can be estimated by assuming that the difference between the generation quantities developed in Section 3 – 18.9 million tons, and disposal quantities developed in Section 2 - 15.3 million tons, is the quantity of materials recovered – some 3.6 million tons. Based on this methodology, **the overall Illinois diversion rate is 19.1% by weight.** Table 4-2 summarizes the material diversion / recovery rates and overall Illinois diversion rate estimates.

Currently there is no mechanism in Illinois that requires the quantity of recovered materials to be reported to a central entity. Therefore, Illinois cannot accurately determine what the diversion rate in the state actually is. Illinois EPA is required to annually publish the Non-hazardous Solid Waste Management and Landfill Capacity Report, which relies on voluntary reporting by county coordinators. According to the 2007 Report, coordinators report that 23.1 million tons of waste is generated and 9.1 million tons are recycled, yielding a diversion rate of 39.3%. Obviously, there are significant discrepancies between the results of this Study and the Report and the

diversion rate could not be validated. There are several factors that can account for this difference:

1. This study focuses on solely Municipal Waste whereas the coordinator's data in the EPA Report focuses on landfilled tonnages which can include industrial process waste, special waste and/or clean construction or demolition debris.

2. The data submitted by coordinators is not current for the year – only one third of the 106 reporting entities submitted current data.

3. Data is submitted without an officially adopted calculation protocol to be used uniformly throughout the state. Therefore what has been reported by some may not be considered by others, or quantities of some materials may not even appropriate to report altogether, and there is likely "double counting "occurring.

4.4 Illinois Recovery Rates Compared to National Recovery

The Illinois recovery rates presented in Section 4.3 are compared to national recovery rates in Table 4-3. The national recovery rates are developed for the U.S. EPA report series Municipal Solid Waste in the United States. Results from the latest version of this report[15] are compared to the estimated 2007 Illinois recovery rates. In addition, national electronics recovery is estimated from an EPA electronics management report[16] and national average white goods recovery is from the Steel Recycling Institute website.[17]

National recovery of most MSW products is estimated from industry data. The data are typically supplied through trade groups such as the American Forest & Paper Association, the Aluminum Association, the American Chemistry Council, Rubber Manufacturers Association, and the Steel Recycling Institute. This type of data is only available on a national level.

Recovery of other products such as yard waste and food scraps are estimated from facility information supplied by state agencies and trade publications such as *BioCycle*.

National recovery rates are available for only a portion of the IRA product categories. The product categories where a comparison can be made between Illinois and the U.S. are shown in Table 4-3 as a percent of generation of each product. It should be noted that only individual product recovery rate comparisons between Illinois and the U.S.

[15] United States Environmental Protection Agency Office of Solid Waste. *Municipal Solid Waste in the United States: 2007 Facts and Figures.* November 2008. EPA530-R-08-010. http://www.epa.gov/epawaste/nonhaz/municipal/pubs/msw07-rpt.pdf.

[16] United States Environmental Protection Agency Office of Solid Waste. *Electronics Waste Management Approach 1*. July 2008. EPA530-R-08-009

[17] www.recycle-steel.org

can be made. Since the Illinois definition of MSW includes products and materials not included in EPA's definition, total Illinois MSW recovery shown in this report is *not* comparable to the total U.S. MSW recovery rate shown in the EPA report.

Table 4-3 shows that in Illinois, recovery of most individual products is below national average. The exceptions are milk and juice cartons / boxes, #3 to #7 plastics, televisions, white goods, and wood pallets.

Table 4-2 Illinois Recovery/Diversion Rates

	Generated Tons	Disposed Tons	Recovery Tons*	Recovery %
Paper	**5,370,310**	**3,579,800**	**1,790,500**	**33.3%**
Newsprint	868,130	418,690	449,400	51.8%
High Grade Office Paper	290,910	144,110	146,800	50.5%
Magazines/Catalogs	423,250	241,750	181,500	42.9%
Uncoated OCC/Kraft	2,452,290	1,524,280	928,000	37.8%
Boxboard	260,700	243,870	16,800	6.4%
Mixed Paper - Recyclable	457,880	418,360	39,500	8.6%
Compostable Paper	474,730	451,450	23,300	4.9%
Other Paper	142,420	137,210	5,200	3.7%
Beverage Containers	**34,460**	**32,400**	**2,100**	**6.1%**
Milk & Juice Cartons/Boxes - Coated	34,460	32,400	2,100	6.1%
Plastic	**2,120,170**	**1,988,700**	**131,500**	**6.2%**
#1 PET Bottles/Jars	164,620	146,630	18,000	10.9%
#1 Other PET Containers	13,850	11,810	2,000	14.4%
#2 HDPE Bottles/Jars - Clear	64,400	60,860	3,500	5.4%
#2 HDPE Bottles/Jars - Color	93,670	87,180	6,500	6.9%
#2 Other HDPE Containers	13,170	11,870	1,300	9.9%
#6 Exp. Polystyrene Packaging	122,320	121,830	500	0.4%
#3-#7 Other - All	123,750	118,400	5,400	4.4%
Other Rigid Plastic Products	586,130	500,970	85,200	14.5%
Grocery & Merchandise Bags	81,400	80,250	1,200	1.5%
Trash Bags	166,030	165,220	800	0.5%
Commercial & Industrial Film	218,380	216,810	1,600	0.7%
Other Film	194,500	193,910	600	0.3%
Other Plastic	277,950	272,460	5,500	2.0%
Glass	**554,150**	**433,700**	**120,500**	**21.7%**
Recyclable Glass Bottles & Jars	520,020	401,210	118,800	22.8%
Flat Glass	24,500	24,500	-	0.0%
Other Glass	9,630	8,020	1,600	16.6%
		-		
Metal	**887,890**	**740,500**	**147,400**	**16.6%**
Aluminum Beverage Containers	100,800	57,910	42,900	42.6%
Other Aluminum	83,500	75,000	8,500	10.2%
HVAC Ducting	4,200	4,200	-	0.0%
Ferrous Containers (Tin Cans)	173,400	143,510	29,900	17.2%
Other Ferrous	354,890	308,610	46,300	13.0%
Other Non-Ferrous	33,000	33,000	-	0.0%
Other Metal	138,100	118,230	19,900	14.4%
Organics	**3,685,050**	**3,168,700**	**516,400**	**14.0%**
Yard Waste - Compostable	471,250	204,130	267,100	56.7%
Yard Waste - Woody	432,510	184,750	247,800	57.3%
Food Scraps	1,838,100	1,838,100	-	0.0%
Bottom Fines & Dirt	238,090	237,390	700	0.3%
Diapers	300,490	300,420	100	0.0%
Other Organic	404,610	403,960	700	0.2%

	Generated Tons	Disposed Tons	Recovery Tons*	Recovery %
Inorganics	**877,570**	**359,600**	**518,000**	**59.0%**
Televisions	41,830	930	40,900	97.8%
Computer Monitors	29,450	28,950	500	1.7%
Computer Equipment/Peripherals	33,760	31,570	2,200	6.5%
Electronic Equipment	155,770	132,830	22,900	14.7%
White Goods - Refrigerated	55,430	-	55,430	100.0%
White Goods - Not refrigerated	121,940	2,690	119,300	97.8%
Lead-acid Batteries	102,810	400	102,400	99.6%
Other Household Batteries	6,850	6,450	400	5.8%
Tires	186,220	29,630	156,600	84.1%
Household Bulky Items	142,920	125,500	17,400	12.2%
Fluorescent Lights/Ballasts	590	590	-	0.0%
Textiles	**1,085,650**	**1,063,800**	**21,900**	**2.0%**
Carpet	248,990	248,990	-	0.0%
Carpet Padding	36,560	36,560	-	0.0%
Clothing	336,330	315,860	20,500	6.1%
Other Textiles	463,770	462,400	1,400	0.3%
		-	-	
Household Hazardous Waste	**184,790**	**64,400**	**120,400**	**65.2%**
Latex Paint	12,550	11,790	800	6.4%
Oil Paint	1,730	1,730	-	0.0%
Plant/Organism/Pest Control/Growth	130	120	-	0.0%
Used Oil/Filters	117,890	12,380	105,500	89.5%
Other Automotive Fluids	14,390	880	13,500	93.8%
Mercury-Containing Items	50	50	-	0.0%
Sharps & Infectious Waste	2,980	2,980	-	0.0%
Ash, Sludge, & Industrial Wastes	8,370	7,750	600	7.2%
Sewage Solids	-	-	-	0.0%
Other HHW	26,700	26,700	-	0.0%
C&D	**4,106,050**	**3,864,800**	**241,300**	**5.9%**
Clean Dimensional Lumber	380,370	379,610	800	0.2%
Clean Engineered Wood	365,480	365,280	200	0.1%
Wood Pallets	380,830	149,810	231,000	60.7%
Painted Wood	269,500	269,450	100	0.0%
Treated Wood	604,760	604,220	500	0.1%
Concrete	401,860	399,850	2,000	0.5%
Reinforced Concrete	39,240	38,250	1,000	2.5%
Asphalt Paving	6,120	6,120	-	0.0%
Rock & Other Aggregates	233,140	231,660	1,500	0.6%
Bricks	64,820	64,820	-	0.0%
Gypsum Board	472,380	471,650	700	0.1%
Composition Shingles	407,870	405,080	2,800	0.7%
Other Roofing	79,140	79,000	100	0.1%
Plastic C&D Materials	18,770	18,760	-	0.0%
Ceramics/Porcelain	148,670	148,670	-	0.0%
Other C&D	206,830	206,270	600	0.3%
Other MSW	26,270	26,270	-	0.0%
Total*	**18,906,100**	**15,296,400**	**3,610,000**	**19.1%**

* Numbers rounded to nearest 100 Tons

Particularly surprising is Uncoated OCC / Kraft at 38% recovery. Although all paper grades are estimated to be recovered below national average, OCC / Kraft is at almost half the national recovery rate (38% / 72%). To check this result, Chicago recovery data supplied by the Chicago Department of Environment and Chicago Department of Streets and Sanitation (DSS) were analyzed. The OCC / Kraft recovery reported by the City on a per person basis compared to the Cook County generation (also on a per person basis) suggested a recovery rate of 28%. A similar analysis of recovery data from McLean County suggested an OCC / Kraft recovery rate of 31%.

The U.S. PET plastic container recycling is shown at 23% for both PET categories in Table 4-3. In reality, some PET containers are recycled at a higher rate than others. In the EPA report, PET soft drink bottles are recovered at 36.6% and other PET containers are recovered at 15.6%. Since the IRA product categories do not follow this same structure, all PET container recovery at the national level was combined into one rate (23%).

The same is true for HDPE containers. On a national level, HDPE milk and water bottles are recovered at 28% of generation; other HDPE containers are recovered at 19%. Table 4-2 shows 21% for all three HDPE categories.

All plastic products are recovered below national average with the exception of #3 - #7 other containers, which are recovered at four percent compared to two percent for the U.S. In Illinois, PET bottles and containers are recovered at a higher rate than HDPE bottles and containers.

Recyclable glass bottles and jars, aluminum beverage containers, and yard waste are all estimated to be recovered at levels that are within 80 to 90% of the U.S. average (i.e., 23% / 28%=82% for glass bottles).

Televisions are shown at a 98% recovery rate in Illinois (compared to 19% for the U.S.). It is possible that this rate has been inflated by the lack of televisions in the loads sampled during the field sorting conducted in 2008. Items such as televisions that are a small percentage of the waste stream do not enter the waste stream as consistently as other products, such as newspapers or glass bottles. This can cause large variability in the composition estimates and an inflated recovery number.

Recovery of white goods, lead-acid batteries, and tires are estimated to be similar to U.S. recovery. These products have well established recovery infrastructures that result in high recovery rates.

The only component of the C&D waste stream that could be directly compared to the U.S. is wood pallets. Illinois recovery is estimated at 61% or almost three times the U.S. average. The pallet reuse market may be more active in Illinois than other states. Other recovery markets such as chipping for land cover or fuel may also be more established in Illinois. Another explanation for the high recovery might be that the waste composition profile underestimated the quantity of wood pallets disposed.

Table 4-3. Comparison of Illinois Recovery Rates to National Averages

		Illinois Recovery (%)	U.S. Recovery (%)
Paper			
	Newsprint	52%	78%
	High Grade Office Paper	50%	72%
	Magazines/Catalogs	43%	52%
	Uncoated OCC/Kraft	38%	72%
	Boxboard	6%	27%
	Mixed Paper - Recyclable	9%	36%
	Compostable Paper	5%	
	Other Paper	4%	
Beverage Containers			
	Milk & Juice Cartons/Boxes - Coated	6%	<1.0%
Plastic			
	#1 PET Bottles/Jars	11%	23%
	#1 Other PET Containers	15%	23%
	#2 HDPE Bottles/Jars - Clear	5%	21%
	#2 HDPE Bottles/Jars - Color	7%	21%
	#2 Other HDPE Containers	10%	21%
	#6 Exp. Polystyrene Packaging	<1%	7%
	#3-#7 Other - All	4%	2%
	Commercial & Industrial Film	1%	9%
Glass			
	Recyclable Glass Bottles & Jars	23%	28%
Metal			
	Aluminum Beverage Containers	43%	49%
	Ferrous Containers (Tin Cans)	17%	64%
Organics			
	Yard Waste - Compostable	57%	64%
	Yard Waste - Woody	57%	
Inorganics			
	Televisions	98%	19%
	Computer Monitors	2%	19%
	Computer Equipment/Peripherals	7%	19%
	White Goods - Refrigerated	100%	90%
	White Goods - Not refrigerated	98%	90%
	Lead-acid Batteries	100%	99%
	Tires	84%	87%
Textiles			
	Carpet	0%	9%
	Carpet Padding	0%	9%
	Clothing	6%	15%
Construction and Demolition Debris (C&D)			
	Wood Pallets	61%	22%

Sources: United States Environmental Protection Agency Office of Solid Waste. *Municipal Solid Waste in the United States: 2007 Facts and Figures.*
U.S. EPA. *Electronics Waste Management Approach 1* . July 2008. EPA530-R-08-009
Steel Recycling Institute. Steel recycling rates. http://www.recycle-steel.org/rates.html

4.5 MSW Recovery Rates Compared to Reported Illinois Recovery Rates

The following table summarizes the generation and diversion results from this study compared to the Illinois 2007 Capacity Report. These values vary widely from each other both in the overall totals and on the regional level. There are several factors that could account for these differences. As stated in Section 1, this study focuses on solely the MSW stream; whereas, the Illinois EPA Capacity Reports focuses on the total landfilled tonnages and uses waste generation and recycling rates provided by Counties and the City of Chicago. These quantities and/or rates are calculated without a standard rule or regulation defining what should or should not be included. For example, some entities report quantities in their generation and/or recycling rates such as structural steel, roadway concrete and asphalt, while other entities do not.

Table 4-4. Illinois Regional Per Capita MSW Generation and Recycling Rates

Region	Waste Generated (lb per capita day)		% Waste Recycled	
	2007 IEPA Capacity Report	DCEO Study	2007 IEPA Capacity Report	DCEO Study
One: Northwestern Illinois	5.9	7.6	25.5%	
Two: Chicago Metropolitan	11.4	8.3	42.5%	
Three: Peoria/Quad Cities	7.7	7.7	29.1%	
Four: East Central Illinois	6.0	7.6	25.4%	
Five: West Central Illinois	7.1	7.6	31.3%	
Six: Metropolitan East St. Louis	5.1	7.6	30.6%	
Seven: Southern Illinois	5.1	7.2	15.2%	
Total	**9.7**	**8.1**	**39.3%**	**19.1%**

4.6 Market Values of Landfilled Commodities

One of the goals of this Study is to determine the estimated value of commodities that are landfilled and thus being lost to the overall economy – wasting jobs, natural resources, and contributing to negative environmental impacts. A comprehensive economic evaluation would include direct, indirect and induced economic values of all commodities being landfilled, and is a complete study in and of itself. In light of this, it was determined to focus on the "traditional" commodities typically collected in residential or commercial recycling programs. Recognizing that there are other significant quantities of commodities being recycled, the value presented here then should be viewed as a minimum. The market value was calculated based on the average 2008 commodity values from January 2008 through October 2008, [18] [19]

[18] Recycling Manager Archives, www.amm.com/recman/archives, Cahners Business Information, American Metal Market LLC, a division of Metal Bulletin PLC.

[19] Official Board Markets: The Yellow Sheet, https://prices.packaging-online.com.

obtained from market data detailed in Section 4.5 for the Midwest region, prior to the temporary collapse of markets that occurred in November**.**

Table 4-5 summarizes the market value of the commodities landfilled based on these values. **The direct market value is calculated at over $600 Million.**

Table 4-5. Market Value of Disposed Materials[20] [21]

		Tons	$/Ton*	Value
Paper				
	Newsprint	418,690	$ 120.50	$ 50,452,145
	High Grade Office Paper	144,110	$ 85.00	$ 12,249,350
	Magazines/Catalogs	241,750	$ 85.00	$ 20,548,750
	Uncoated OCC/Kraft	1,524,280	$ 100.50	$ 153,190,140
	Boxboard	243,870	$ 85.00	$ 20,728,950
	Mixed Paper - Recyclable	418,360	$ 85.00	$ 35,560,600
Plastic				
	#1 PET Bottles/Jars	146,630	$ 438.00	$ 64,223,940
	#2 HDPE Bottles/Jars - Clear	60,860	$ 762.00	$ 46,375,320
	#2 HDPE Bottles/Jars - Color	87,180	$ 502.00	$ 43,764,360
Glass				
	Recyclable Glass Bottles & Jars	401,210	$ 20.00	$ 8,024,200
Metal				
	Aluminum Beverage Containers	57,910	$ 1,822.00	$ 105,512,020
	Ferrous Containers (Tin Cans)	143,510	$ 400.50	$ 57,475,755
Total		**3,888,360**		**$ 618,105,530**

* Market values are based on an annual average of Midwest markets from January 2008 through October 2008.

4.7 Greenhouse Gas Emissions

Global warming is an issue that has been steadily gaining national and worldwide attention and concern. It is widely agreed that greenhouse gases (GHG) that result from the burning of fossil fuels and other human activities, is contributing to climate change. Illinois has a sustainable energy plan and is a signatory to the Midwestern Greenhouse Gas Accord. Recovering commodities from discarded materials through recycling, composting and waste reduction strategies can play a significant role in reducing GHG's by reducing emissions. Recovering commodities:

1. Avoids emissions from raw material extraction and transport,

2. Avoids emissions from raw material processing into "manufacturing ready" feedstock,

[20] Recycling Manager Archives, www.amm.com/recman/archives, Cahners Business Information, American Metal Market LLC, a division of Metal Bulletin PLC.

[21] Official Board Markets: The Yellow Sheet, https://prices.packaging-online.com.

3. Avoids emissions from landfilling (methane),

4. Sustains forest carbon sequestration,

5. Reuses carbon based plastics indefinitely, rather than one time btu value for combustion.

The Illinois MSW generation and disposal information from Table 4-2 was inputted into the U.S. Environmental Protection Agency (EPA) Waste Reduction Model (WARM)[22], to determine equivalent greenhouse gas emissions resulting from the landfilling of MSW in Illinois and to determine the emission reductions resulting from the quantities estimated to be recovered. The WARM model was created by the U.S. EPA to help solid waste planners and organizations estimate greenhouse gas (GHG) emission reductions from several different waste management practices. WARM calculates GHG emissions for baseline and alternative waste management practices, including source reduction, recycling, combustion, composting, and landfilling. The model calculates emissions in metric tons of carbon dioxide equivalent ($MTCO_2E$) across a wide range of material types commonly found in municipal solid waste (MSW). The GHG emission factors were developed following a life-cycle assessment methodology using estimation techniques developed for national inventories of GHG emissions. Default values for all variables were used for this model. CDM assumed the national landfill average for methane recovery for flare and assumed default transport distances for emissions that occur during transport to landfills.

The total GHG emissions produced from the annual landfilled MSW (15.3 million tons) is approximately 2,404,563 $MTCO_2E$. This is equivalent to the annual greenhouse gas emissions from approximately 440,400 passenger vehicles or the carbon sequestered annually by 16,800 acres of forest preserved from deforestation[23].

The total GHG emissions reduced from materials currently recycled (3.6 million tons) is 8,910,029 $MTCO_2E$, which is equivalent to the annual greenhouse gas emissions from approximately 1,631,900 passenger vehicles or the carbon sequestered annually by 62,300 acres of forest.

4.7.1 Limitations

The WARM is a tool used to estimate GHG emissions from waste management practices. It is not the definitive protocol for municipal solid waste GHG management and should only be expected to provide a rough approximation. There are notable challenges with the WARM. As listed in Table 4-6, The WARM recognizes 34 material types whereas there are 79 Illinois material types in this study.

[22] EPA's report Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks (EPA 530-R-06-004) describes this methodology in detail. visit
http://epa.gov/climatechange/wycd/waste/SWMGHGreport.html
http://www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html.

[23] EPA. 2009. Greenhouse Gas Equivalencies Calculator. http://www.epa.gov/cleanenergy/energy-resources/calculator.html

Consequently, the WARM combines Illinois disposal categories. Most of the Illinois categories logically fit into the WARM. The WARM material type "Mixed Recyclable" includes the Illinois disposal categories that do not clearly match a listed WARM material type and are defined as recoverable or potentially recoverable. Illinois disposal categories defined as non-recoverable are included in the WARM "Mixed MSW" material type. For example, painted and treated wood, oil paint, sewage solids, and mercury-containing items among other non-recoverable material are classified in "Mixed MSW." Electronic equipment, wood pallets, clothing, and ceramics are included in "Mixed Recyclable." GHG emissions may be highly variable due to differences in classification; however, understanding the limitations, and for purposes of this tool, the waste categorization is adequate in assessing the approximate GHG emissions from Illinois landfill waste. A more comprehensive model which takes into account actual landfill age, transportation of waste, could provide additional detail on the actual GHG emission that could be saved by reducing the amount of materials that are disposed in Illinois landfills.

Table 4-6. WARM Material Types

WARM Material Type	Illinois Material Type
Aluminum Cans	Aluminum Beverage Containers
Steel Cans	Ferrous Containers (Tins Containers)
Copper Wire	N/A
Glass	Recyclable Glass Bottles & Jars Flat Glass Other Glass
HDPE	#2 HDPE Bottles/Jars – Clear #2 HDPE Bottles/Jars – Color #2 Other HDPE Containers
LDPE	N/A
PET	#1 PET Bottles/Jars #1 Other PET Containers
Corrugated Cardboard	Uncoated OCC/Kraft
Magazines/Third-class Mail	Magazines/Catalogs
Newspaper	Newsprint
Office Paper	High Grade Office Paper
Phonebooks	N/A
Textbooks	N/A
Dimensional Lumber	Clean Dimensional Lumber
Medium-density Fiberboard	Clean Engineered Wood
Food Scraps	Food Scraps
Yard Trimmings	Yard Waste-Compostable
Grass	N/A
Leaves	N/A
Branches	Yard Waste - Woody
Mixed Paper (general)	Boxboard Mixed Paper - Recyclable Compostable Paper Other paper Milk & Juice Cartons/Boxes - Coated
Mixed Paper (primarily residential)	N/A
Mixed Paper (primarily from offices)	N/A

WARM Material Type	Illinois Material Type
Mixed Metals	Other Aluminum HVAC Ducting Other Ferrous Other Non-Ferrous Other Metal
Mixed Plastics	#6 Exp. Polystyrene Packaging #3-7 Other - All Other Rigid Plastic Products Grocery & Merchandise Bags Trash Bags Commercial & Industrial Film Other Film Other Plastic
Mixed Recyclables	Electronic Equipment White Goods - Refrigerated White Goods - Not Refrigerated Lead-acid Batteries Televisions Household Bulky Items Fluorescent Lights/Ballasts Clothing Latex Paint Used Oil/Filters Wood Pallets Asphalt Paving Rock & Other Aggregates Gypsum Board Composition Shingles Other Roofing Plastic C&D Materials Ceramics/Porcelain
Mixed Organics	Bottom Fines Diapers Other Organic
Mixed MSW	Other Household Batteries Other Textiles Oil Paint Plan/Organisms/Pest Control Growth Other Automotive Fluids Mercury – Containing Items Sharps & Infectious Waste Ash/ Sludge & Industrial Wastes Sewage Solids Other HHW Painted Wood Treated Wood Other C&D Other MSW
Carpet	Carpet Carpet Padding
Personal Computers	Computer Monitors/Peripherals Electronic Equipment

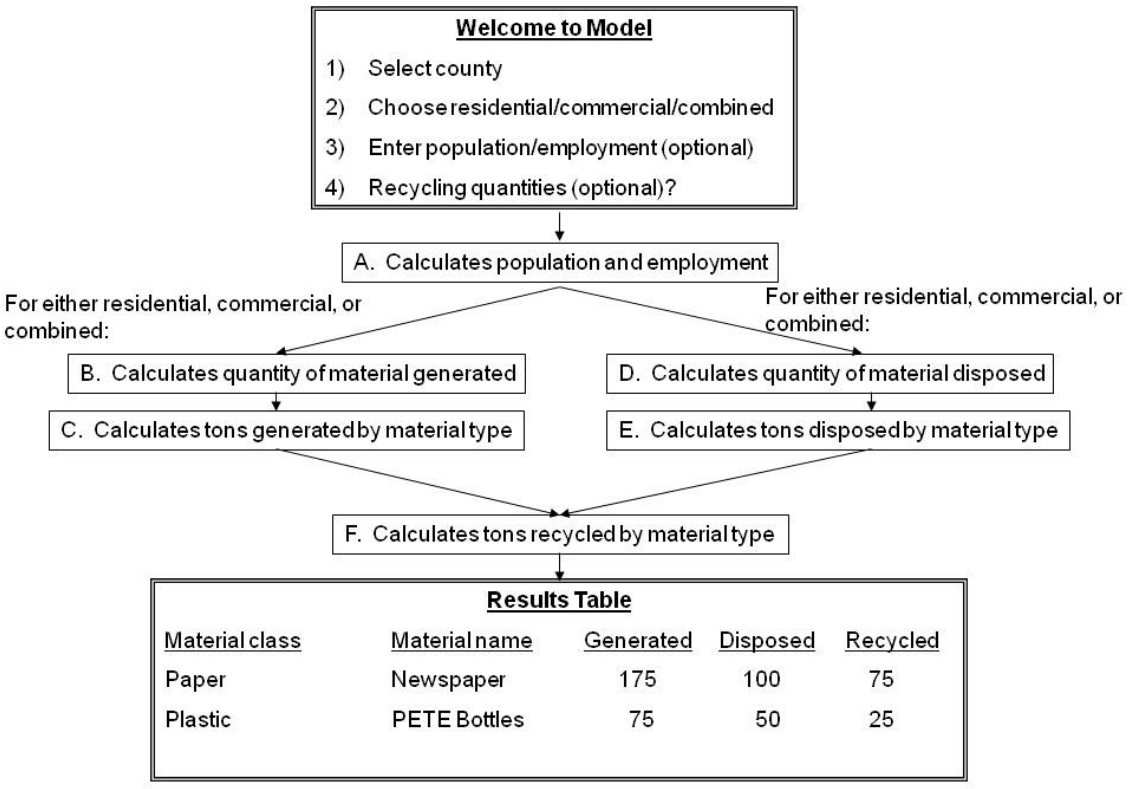
WARM Material Type	Illinois Material Type
Clay Bricks	Bricks
Concrete	Concrete Reinforced concrete
Fly Ash	N/A
Tires	Tires

Section 5
Commodity/Waste Generation and Characterization (CWGC) Planning Guide

5.1 Introduction

Using the results of the waste characterization study, CDM and its subconsultant, Cascadia, developed a simple tool for determining the quantity and composition of waste within areas of Illinois. The Illinois Solid Waste Disposal and Recycling Model provides the user with disposal and recycling estimates for any community within the state. While accessing the model on the internet through a standard web browser, the user identifies certain parameters that describe the community and the waste stream that is to be modeled. The model then presents estimates of the tons disposed and recycled by the community, for each of 36 materials. The user can choose to have the model describe either the Residential or the Industrial / Commercial / Institutional (ICI) waste stream, or describe the combined Residential and ICI waste stream.

Figure 5-1. Model Input and Outputs



Parameters that the user may specify include the county that is to be modeled and the particular waste sector (Residential, ICI, or Combined). The user may further describe the community being modeled by specifying a Residential population and / or a number of employees corresponding to a smaller geographic area within the selected

county. For example, if the user wishes to model the disposal and recycling quantities for the residents of a single town, the user may choose the county in which the town lies and then type in the population of the specific town. Finally, the user may enter the community's actual recycling tonnages, if known, in order to increase the accuracy of the model.

The model stores the user's selections and applies these selections as variables in its calculations. To begin the calculations, the model determines whether the user has entered custom population or employment data. If the user has entered a custom number, the model uses it. If not, the model draws upon built-in population and employment data for the entire county. The model uses county population data from the US Census Bureau's 2007 County Population Estimates. County employment data come from the US Bureau of Labor Statistics 2007 County Quarterly Census of Employment and Wages.

Next, the model calculates the total quantity of material disposed in each sector. It computes this total by applying statewide *per capita* disposal for the selected sector to either the population or the employment figure determined in the previous step of the model. To calculate *per capita* disposal, the model divides statewide Residential disposal by statewide Residential population and statewide ICI disposal by statewide employment. Statewide disposal data for the Residential and ICI sectors come from the Illinois MSW disposal data developed as described in Section 3 of the report. Statewide population and employment data come from the US Census Bureau's 2007 County Population Estimates and the US Bureau of Labor Statistics 2007 County Quarterly Census of Employment and Wages, respectively.

The model then applies a Residential or ICI disposal composition profile to the sector's calculated total quantity disposal to find the tons that the sector disposes by material type. Based on the user's selected county and sector, the model will apply either a "rural" or "urban" disposal profile. The designation of these two types of counties originates from the USDA's Economic Research Center's Rural-Urban Continuum. The four different disposal profiles (rural Residential, urban Residential, rural ICI, and urban ICI) come from the Illinois MSW characterization data developed as described in Section 2 of the report.

To report generation, the model draws upon estimated amounts of each material generated in each county. To develop the generation amounts that appear in the model, Cascadia Consulting Group performed a series of calculations based on the set of county-specific generation estimates from the Illinois MSW generation data (provided in Appendix C of this report). The generation calculations for the Residential and ICI waste streams of each county were performed separately from the model that the user encounters, and they were inserted as a reference table that the working model draws from when it models the waste stream of a particular county or community.

In the calculations, the estimated tons of each material in each county were divided into Residential and ICI tons based on the ratio of the same material's Residential and ICI disposed tons in similar counties (i.e., in either rural or urban counties). At this stage, the Residential and ICI generation estimates for each county still included materials from Construction & Demolition (C&D) activity – a sector which the model does not address. To subtract C&D tons from the overall generation estimates, the estimates of material quantities in statewide C&D segregated loads were apportioned to the interim Residential and ICI estimates in ratios indicated by the relative amounts of Residential and non-Residential C&D waste disposed in the State of California (see *Targeted Statewide Waste Characterization Study: Detailed Characterization of Construction and Demolition Waste*, California Integrated Waste Management Board, June 2006). Quantities of each material estimated to correspond to C&D activities were subtracted from the Illinois generation estimates of Residential and ICI waste. Subtraction of material estimated to come from C&D activity was done on a county-by-county basis in proportion to the relative magnitude of the initial Residential or Commercial generation estimates compared to the statewide estimates.

If the user has not entered custom population or employment data, the model reports the tons generated by material type that are calculated in the process described above. If there are custom numbers to use, the model will scale the generation results according to the ratio of the custom data to the actual county data. County population and employment data come from the US Census Bureau's 2007 County Population Estimates and the US Bureau of Labor Statistics 2007 County Quarterly Census of Employment and Wages, respectively.

Finally, the model calculates recycling for each material by subtracting the modeled disposed tons from the modeled generated tons. Because generation and disposal are calculated independently of one another, in some cases, this may result in a negative amount of tons recycled for a certain material. If this occurs, the model will set disposal equal to generation for that material and report that zero tons of the material are recycled.

If the user has entered custom recycling data, the model will use those tonnages instead of the modeled ones. The model will run the same generation calculation as previously explained and calculate tons disposed as the difference between generation and the recycling quantity entered by the user.

With all of the steps of the calculation process complete, the model presents the user with a table of results that includes the tons of each material that are generated, disposed, and recycled for the selected waste stream(s) in the selected community.

Section 6
Recommendations

This section contains recommendations by CDM and the Illinois Recycling Association. Estimating the quantity and composition of a waste stream relies upon a well-developed and proven approach, successful implementation, and a willingness to understand that educated assumptions and estimates have to be made when comprehensive data is not readily available. CDM is unaware of any waste characterization study conducted within Illinois more comprehensive than this study, and yet there are definite opportunities for further refinement. As such, CDM recommends the following additional tasks for refinement and expansion of the Illinois Commodity / Waste Generation and Characterization Study:

1. This study focused on the characterization of the statutory definition of Illinois' municipal solid waste (MSW) stream. As such, several components of the overall Illinois waste stream were not included in this study. However, these materials are often disposed in Illinois landfills and the composition and quantity of these materials should be assessed to provide a complete picture of the Illinois waste stream. This study is a first step in developing a picture of the Illinois waste stream. It provides a clearer picture, but is not comprehensive. If the goal is diversion of waste from landfills then an assessment of other materials landfilled / disposed in Illinois is needed. These materials include the following:

    a. **Clean construction and demolition debris (CCDD)** – This material is often diverted from landfills and either reused, recycled, used as fill or disposed at permitted CCDD facilities. This material stream likely comprises a large piece of the gap between MSW and total waste generation. By definition CCDD is not a waste when handled according to the Environmental Protection Act. However, this often poses a dilemma in solid waste management planning, in that CCDD can become a waste if it is mixed with MSW. Theoretically, CCDD also becomes a waste when it is landfilled.

    b. **Soil and Alternative Daily Cover** – These materials are accepted at landfills and consume landfill capacity, yet often times these materials are not quantified or included in waste generation estimates. Shredded demolition wood waste is one example of a waste stream that is commonly used for alternative daily cover. Contaminated soil, and occasionally clean soil, is also disposed at landfills.

    c. **Special and Non-special Waste** – Industrial process wastes, hazardous wastes, pollution control wastes, declassified special wastes, and other special wastes are not part of the MSW stream. These materials are landfilled and the composition of these materials has not been assessed at the state or regional level. Unlike other waste sectors identified, due to

regulations stipulating recordkeeping and reporting of these wastes, analysis of this sector would be less difficult.

d. **Landscape Waste** –Landscape (yard) waste is banned from being landfilled in Illinois, yet quantities of this material are often found in landfills. As with other waste streams partially or wholly diverted from landfills, characterization at disposal facilities is not the best method for quantification.

e. **Diverted materials** – For this study, the quantity and composition of diverted materials was estimated based on the difference between generation data and landfilled data. This approach relies too heavily on the waste generation estimates rather than hard data. Having said that, obtaining defendable diversion data is potentially even more difficult, especially when considering source reduction and reuse activities. A study focusing on estimating the quantity and composition of diverted materials, used in conjunction with the results of this study, would assist in finding areas for improving all three of the landfilled, diverted, and total generation estimates. Although the best method to determine the quantity of materials being recovered would be to require annual reporting.

f. **Illinois Waste Disposed Outside Illinois** – This study was conducted at Illinois landfills and therefore the composition of Illinois waste that was disposed outside of Illinois was not obtained. Having said that, it is not unreasonable to assume that the composition of this waste is similar to that disposed within Illinois.

2. The composition and recovery of materials in the waste stream and its sectors and classes can vary significantly over short time frames based on changes in technology, manufacturing, distribution, regulations, planning efforts, diversion programs, and many other factors. A prime example of this is the inorganics classification which includes electronics devices, televisions, fluorescent lights, etc. and the recently adopted Electronic Products Recycling and Reuse Act. As such, it is recommended that a study similar to the Illinois Commodity / Waste Generation and Characterization Study be conducted periodically, approximately every 5 years.

3. CDM recommends that the distribution of residential, ICI, and C&D wastes be further characterized. The data used for this study was developed using gatehouse surveys from one day at each facility. While this provides a reasonable overall distribution for the state, it does not provide sufficient data for estimating the distribution within the individual counties and Illinois EPA Regions.

6.1 Illinois Recycling Association Recommendations

The Illinois Recycling Association (IRA) presents this report to the Illinois Department of Commerce and Economic Opportunity (DCEO), as an initial step to update the status of recycling and commodities recovery in Illinois. It is reasonable to begin this process by gathering disposal data from solid waste transfer stations and landfills in the state of the current volumes of what has been commonly discarded as waste. However, an entire new industry of recovery and recycling of discards has grown since the passage of the three key solid waste management acts. These advances challenge established definitions of waste and move us closer to waste reduction and recovery goals that were once deemed idealistic.

The Association has worked in cooperation with the State of Illinois to offer educational workshops, seminars, and information links as well as providing a direct connection to a wide variety of recycling services and diversion options for both common and unique discards. In addition, the Illinois Recycling Association is working to compile a comprehensive listing of recycling industries, services, and the government entities responsible for recording recycling data. The association hopes to continue to maintain this database as a resource for those seeking recycling resources within the state.

The recycling industry is in reality a variety of industries, which share a common result. These industries have expanded our body of knowledge, created new manufacturing and recovery technologies, and provided economic growth through creation of jobs and consumer products.

The contracted consultant, Camp Dresser & McKee, provided recommendations that are based upon recognizing gaps and inconsistencies of data while conducting this study. There is unarguably more information to be gathered, a re-assessment of our definition and understanding of waste and recovery is needed, and a re-affirmation of attainable waste reduction and recycling goals with benchmark years should be determined and re-visited on a regular basis.

We offer the following recommendations with consideration of the information presented in this study, as well as recognition and appreciation for the progress that our industries have made, often with the assistance and encouragement from State government and new and revised laws approved thus far. The IRA looks forward to continuing our collaboration with DCEO and others committed to research, study and maintain relevant data that serves the recycling and recovery industries in the State of Illinois.

Convene a Commission for Resource Recovery and Disposal

Adopt legislation to establish a Commission that includes the following mission:

a. Study and make recommendations regarding the economics of landfilling wastes and recovering commodities, including full environmental costs and

benefits, and the extent to which they are reflected in prices and associated fees collected by the state.

b. Review the extent to which materials with economic value are lost by landfilling and recommend ways to maximize the productive use of discarded materials - including recycling, composting, reuse, and energy recovery.

c. Study and recommend ways that Illinois can minimize the generation of waste materials and evaluate ways to apply "Zero Waste" as a guiding vision to be accomplished by source reduction, reuse, recycling, and composting.

d. Study the management of toxic and nontoxic discards and recommend ways to ensure these are managed in a manner that minimizes environmental impacts and potential burdens to future generations.

e. Study and clarify the role municipalities, residents, businesses, and state government each hold in the use, management, recovery, and disposal of materials and recommend how they can act in concert to attain disposal and recovery goals.

f. Review and recommend changes to existing laws that govern "solid waste" management, recognizing resource management as unique and distinct from solid waste management; that minimize environmental, economic, and social costs to the residents and businesses of Illinois; and that reduce GHG's so that Illinois can achieve and maintain a truly integrated and sustainable materials management system.

Update the Illinois Recycling Economic Information Study (REI)

Illinois DCEO commissioned an REI study nearly a decade ago to determine and quantify the economic benefits of recycling activities. The study showed how recycling and reuse significantly contribute to Illinois' economy. The direct economic impact, at that time, included 2,400 businesses that employed over 56,000 with an annual payroll of $1.8 Billion, and those businesses had annual receipts of $12.3 Billion. The study further concluded that the total economic value (the broader effect of the recycling and reuse industry) including direct, indirect and induced economic considerations was $34.6 Billion.

Recycling and reuse industries create and retain jobs and generate state and local tax revenues.

It is vital to the state's economic development to understand and support the contribution the recycling and reuse industries make in the state's economy. To foster continued development of recycling and reuse industries, not only for environmental but also economic contributions, a thorough understanding of such contributions is an essential component to sustaining the states' economic well being. It is

recommended that an REI study be conducted and updated on a regular basis, but at a minimum of every 5 years.

Review and Update Solid Waste Planning/Management Laws

Much has changed in the more than 20 years since the Illinois Solid Waste Planning and Recycling Act of 1988 and the Illinois Solid Waste Management Act of 1986 were developed. Review the provisions of each law to recognize the growth of technology, recovery of what was once considered wastes and the impacts of all waste and recycling activities on the environment.

Plan and Encourage Future Recovery

Certain materials have been identified as constituting a large percentage of the landfilled MSW stream. Some of these materials are significantly below national recycling rates, although recycling processes and markets exist. Research and encourage diversion programs that expand the needed infrastructure, disposal requirements, demand for end product, and education programs that focus on these materials:

- Food scraps;
- Paper, including uncoated OCC/Kraft, compostable paper, newsprint, mixed paper, high grade office paper, boxboard;
- C & D, treated wood, gypsum board, composition shingles;
- Plastics, including PETE, HDPE, Other rigid plastics, and;
- Textiles, including carpet, clothing and other textiles.

Develop a Universal Protocol for Calculating Diversion Rates

This study has shown that diversion rates vary significantly depending on the source of the data. A universal protocol for estimating diversion and recycling rates needs to be developed and annual reporting based upon a common calculation of rates should be required. The protocol should establish the materials that should be identified for diversion/recycling (identified as the numerator of the equation) and the definition of materials included in the quantity of the generated materials (the denominator of the equation).

Toxic/Special Wastes

Toxic and special wastes are not included when developing recycling or diversion programs, and so such materials, which are a part of the MSW stream cannot be targeted for source reduction, diversion, or recycling. Initiatives and diversion programs should be maintained and expanded to reduce the quantity and toxicity of wastes from being landfilled, such as for Household Hazardous Waste (HHW). This Study found 64,000 tons of HHW are currently being disposed per year. In terms of

impacts, while the quantity is comparatively low, the toxicity of HHW significantly outweighs that of other materials.

Appendix A
Sampling Plan

Illinois Commodity /Municipal Solid Waste Disposal Characterization Study 2008
Sampling Plan

Commissioned by

Illinois Department of Commerce & Economic Opportunity

Contracted by

Illinois Recycling Association

Prepared by

CDM

September 11, 2008

Work Plan

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Section 1
Overview

1.1 Objective

This document is intended to serve as the sampling plan for the 2008 Illinois Recycling Association (IRA) Municipal Solid Waste (MSW) Disposal Characterization Study. It describes in detail the work required to provide IRA with a comprehensive and accurate waste composition of MSW disposed throughout the State of Illinois.

To develop precise waste composition estimates, CDM will collect waste samples at 19 disposal facilities over one sampling season. Approximately 20 sampling days during September and October 2008 will be dedicated to hand-sorting and characterizing approximately 100 samples of residential waste, 100 samples of industrial/commercial/institutional (ICI) waste, as well as visual characterizations of approximately 150 loads of construction and demolition (C&D) waste.

Description and definitions of the waste sectors used to stratify data collection for the study are presented in the following sections. Detailed appendices follow.

1.2 Waste Sectors

Waste sampling will occur using a random sampling methodology. Waste will be sampled from the sectors listed below, in order to develop a waste composition profile for each sector. Then the sectors will be "added together" in a way that reflects each sector's relative contribution to the overall waste stream, thus producing overall waste composition information.

For this study, a waste sector is identified by the particular generation characteristics that make it a unique portion of the total waste stream. This study will examine waste disposed by three distinct sectors:

1. Residential – waste generated by single and multifamily residences. This waste is primarily collected in packer trucks (e.g., side-loading or rear loading vehicles).

2. Industrial/Commercial/Institutional (ICI) – waste generated by fabricated manufacturing facilities, mills, and mines; businesses and institutions. This waste is collected in a variety of vehicles including loose and compactor drop boxes, and front-end loading trucks.

3. Construction and demolition (C&D) – waste generated from new construction, renovation activities, or demolition. This waste is collected in vehicles such as dump trucks, loose roll-off boxes, and end dump vehicles.

1.3 Collecting Initial Data from Disposal Sites

For each disposal facility included in the sampling schedule, information will be collected in order to prepare a unique sampling schedule and set of targets, as well as to prepare for the logistics of sampling. In addition to obtaining contact information for the staff who are able to assist in making arrangements for data collection at each facility, the following information will be requested or agreed upon with the facility:

- Written directions to the facility;
- The facility's days and hours of operation, and if they accept waste outside of these hours;
- Contact information for the owner of the facility, an employee who can provide permission to use the site, an on-site contact for logistics information, and a person who will be the point of contact on the day of sampling;
- A plan or agreement about the exact location of sampling and sorting operations at the facility;
- Confirmation of the facility's willingness to make a loader available for sample collection;
- A plan for the use of scales and the cooperation of gatehouse personnel to obtain vehicle net weights and assist in sample identification and collection;
- The number of scalehouses at the facility and the process by which vehicles are directed to the scalehouses (e.g., do ICI haulers use a separate gate from cash customers?);
- Approximate daily and weekly load counts by waste sector and total for the facility;
- Estimates regarding the vehicle traffic expected for each sector on each day of the week and the estimated peak time of day for each type of load;
- Specific information about numbers and types of vehicles arriving on weekend days;
- Any rules the facility follows in recording the net weight of vehicles and for recording alternate minimum weights for small vehicles;
- Information about existing recycling or recovery operations at the facility, and how the study team may obtain samples of waste after any recycling or recovery operations have already been applied to the waste;
- Tips about any unusual conditions (e.g., weather, anomalies in traffic patterns, etc.) that might affect data collection; and
- Information about the quantities and types of MRF residuals that the facility receives.

While administering the questionnaire, the study team will communicate the data collection crew's needs for space, their need for the assistance of a loader and

operator, and the need for access to restrooms and shelter at the facility. A Facility Interview Questionnaire is provided in Appendix A.

1.4 Ongoing Communications with Disposal Sites

After a disposal facility has been recruited for participation in the study, a letter of confirmation will be sent to the facility's management via fax or email. The letter will summarize the crucial information that has been obtained through the recruitment and interview process, including the approximate dates of data collection activities, arrangements for the use of equipment such as a loader, arrangements for assistance of a loader and operator, arrangements for space in which to work, etc. The management of each facility will be asked to verify verbally the information summarized in the letter. Approximately a week prior to the scheduled visit, the management of each facility will be contacted by phone to remind them of the visit and their role in the sampling activities. An additional follow-up call will be conducted two days prior to the scheduled visit.

Section 2
Data Collection

This section provides a more detailed description of the sampling process. It includes plans for the collection of data to characterize residential, ICI, and C&D waste.

2.1 Numbers and Allocation of Waste Samples

To develop precise waste composition estimates for the State of Illinois, the consultants will collect waste samples at 19 solid waste facilities. The research team will obtain and hand-sort approximately 200 samples of disposed waste and visually characterize approximately 150 loads of disposed waste, as summarized below.

Table 1. Approximate Target Number of Samples

Sector or Subsector	Total Samples
Residential	100
ICI	100
C&D	150

The proposed solid waste facilities that are expected to be included in the study are listed Appendix B, along with secondary facilities that may be used as alternates.

2.2 Gatehouse Surveys

To determine the waste composition at each facility, CDM will work with the scalehouse operators to conduct gatehouse surveys. These surveys will consist of a simple questionnaire that will ask what sector the waste is generated by (residential, ICI or C&D), the city or county that the waste comes from and the weight of the load. An example form is provided in Appendix C. This information will be used to determine an approximate distribution of waste disposed at each facility and to assist in collecting residential and ICI samples.

2.3 Sampling Residential and ICI Waste (Hand-Sorting)

The study will use slightly different methods for selecting vehicles to provide samples of residential waste versus ICI waste. However, the procedure for hand-sorting and characterizing residential and ICI waste samples will be the same. This section describes the distinct procedures for selecting vehicles from the residential and ICI sectors, as well as the procedure for obtaining and characterizing samples from selected vehicles from the residential and ICI sectors.

2.3.1 Obtaining Residential and ICI Waste Loads for Sampling

The samples collected will be allocated among the 7 Illinois Environmental Protection Agency (IEPA) Regions as shown in Figure 1 and Appendix B. A minimum of 2 sampling days will be spent in each IEPA Region and approximately 10 samples will be collected per day. The samples will be split equally between residential waste and ICI waste. Figure 1 also

shows approximate MSW waste generation rates at a county level based on 2006 Census population and employment data in conjunction with typical unit waste generation rates. This information was used in the selection of sampling locations to distribute the sample collection between rural and urban areas of the state as well as the 7 IEPA Regions.

2.3.1.1 Developing a Procedure to Select Residential and ICI Waste Loads at Each Facility

CDM will determine the approximate number of residential and ICI waste loads that arrive at each participating facility on each day of the week. These estimates will be used to inform the selection procedure for residential and ICI waste vehicles (i.e., to determine the intervals at which vehicles are selected for sampling as they arrive at the facility entrances.

Other factors that affect the logistics of vehicle selection at each facility include the number of entrances used by waste vehicles, the hours of operation, and the peak times for arrival of waste (if applicable). All of this information will be gathered from each facility and will be used to create two unique *Vehicle Selection Forms* (one for residential samples and one for ICI samples) for each sampling day, as described in more detail below.

2.3.1.2 Selection and Diversion Loads of Residential and ICI Waste for Sampling

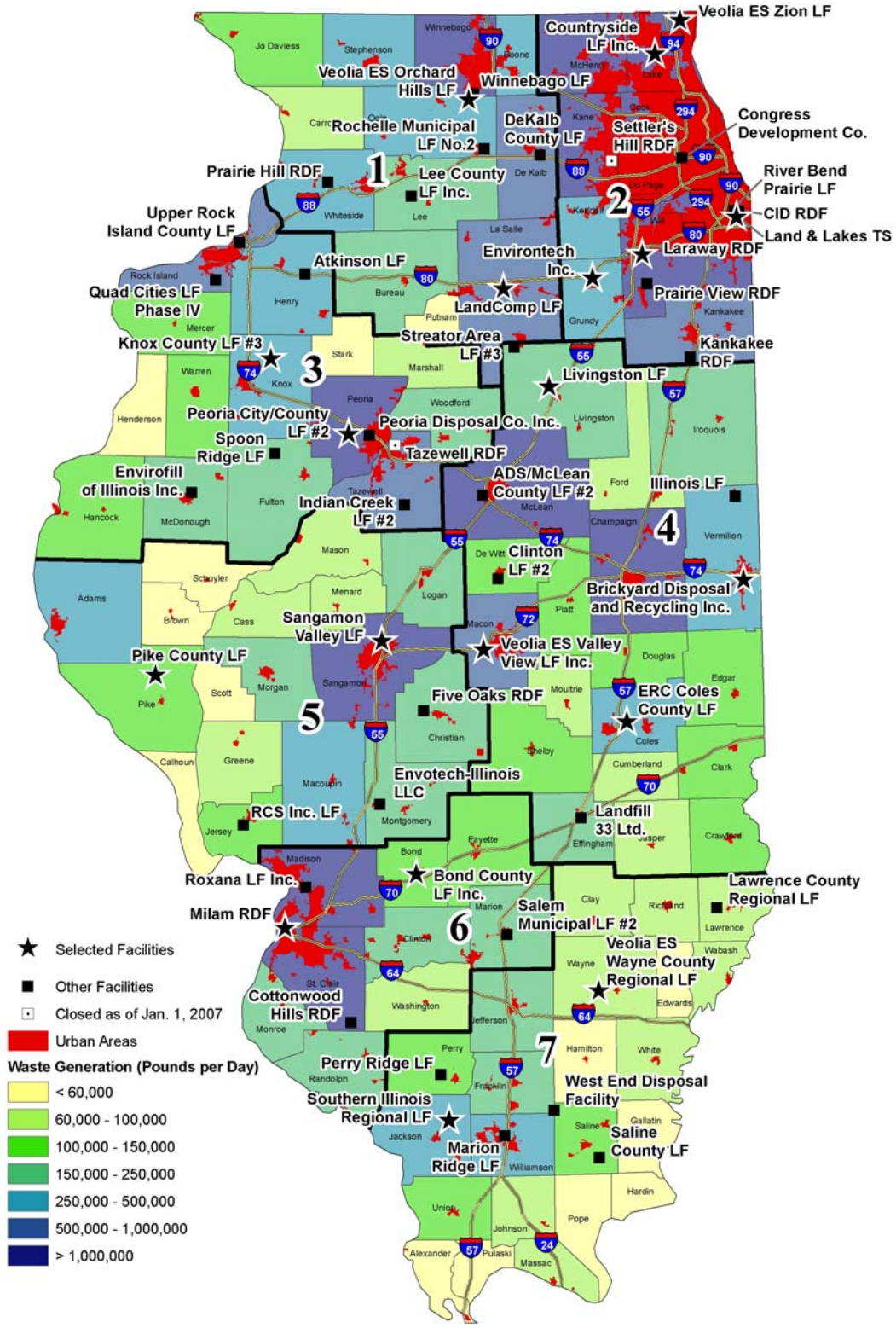
As discussed in Section 2.2, CDM will work with the scalehouse to identify the vehicles that are entering the facility and use that information to apply the vehicle selection procedure to identify and divert vehicles that will be used to provide samples of waste. The first step in this procedure will be to use the following screening criteria to determine whether the vehicle is eligible for sampling:

- The vehicle carries waste from the State of Illinois; and
- The vehicle carries mostly waste from ICI sources (i.e., it includes minimal waste from residential and C&D sources); or
- The vehicle carries mostly waste from residential sources (i.e., it includes minimal waste from ICI or C&D sources).

For vehicles that meet the screening criteria, the Sampling Coordinator, in coordination with the facility's scalehouse operator, will use a systematic selection procedure to identify the vehicles that will provide waste samples at each facility. Each facility was selected to provide a distribution throughout the State and between urban and rural areas of the State. The number of samples that can be collected at each facility is limited; therefore, the nth truck approach will be used to provide an unbiased selection of vehicles for sampling. A sampling interval (e.g., every 3rd residential vehicle or every 4th ICI vehicle) will be calculated for each facility and each sampling day, based on sampling quotas and based on the numbers of residential and ICI waste vehicles expected throughout the day.

The Sampling Coordinator or scalehouse operator will apply the sampling intervals by "checking off" eligible vehicles on the *Vehicle Selection Form* and directing selected vehicles to the Sorting Crew. An example of a *Vehicle Selection Form* is shown in Appendix A. Sampling intervals will be adjusted for any facility with multiple entrances, and facility staff at each entrance will be asked to select a portion of the vehicles to be sampled on that day.

Figure 1. Waste Generation Rate and Sampling Location Map



To calculate vehicle sampling intervals for waste, CDM will divide the total number of available waste sector loads expected to arrive at the facility on a given day (to be estimated from disposal site interviews) by the number of each waste sector samples needed each day. The resulting number is the sampling interval and determines whether every third vehicle, every sixth vehicle, or every 20th vehicle is selected for sampling. Generally, waste vehicles will be selected during a six-hour to eight-hour period on each sampling day, such that the sampling period includes the "peak" arrival time for waste at that facility. On the day of sampling, the sampling intervals may be adjusted at the discretion of the Sampling Coordinator in order to ensure that enough loads can be intercepted during the time available.

When a vehicle is selected for sampling, the gate keeper will record the following information about the vehicle on a sample placard:

- Unique sample number (i.e. RES1or ICI2)
- Source Location
- Date and Time
- Vehicle type
- Hauler
- Truck number

The Sample Placard will be placed on the vehicle's windshield or dashboard to identify it as a vehicle intended for sampling and the driver directed to the sampling area. Please see Appendix C for an example of a Sample Placard.
After the Sampling Coordinator identifies the designated vehicle, the facility forklift operator will be directed to collect a sample and the corresponding Sample Placard. The Crew Chief will instruct the operator as to where place the sample, collect the Sample Placard and record the information from the Sample Placard onto the Sample Characterization Form. The Crew Chief will also note any unusual circumstances associated with the load or the sample.

2.3.2 Obtaining and Sorting Samples from Residential and ICI Waste Loads

Samples of waste will be obtained from selected residential and ICI loads using the same procedure, which is described below.

1. The driver of each selected load will be instructed to tip the load onto the facility floor or landfill surface in an elongated pile. The Sampling Coordinator will instruct the loader operator to capture waste from a randomly selected location in the load. At disposal sites where there is no space to tip the waste, the Sampling Coordinator will work with the loader operator to grab a sample as the load is tipped onto the waste platform.

2. The loader operator will select a sample weighing at least 200 pounds from the pile. Material will be placed onto a tarpaulin or table for sorting. If a loader is not available, samples will be removed from the pile by hand.

3. Photographs of the sample when it is placed in the sampling area will be taken using a digital camera. The *Sample Placard* that identifies each sample will be positioned so it is visible in each photograph.

All samples of residential and ICI waste will be sorted according to the sorting procedures described below.

The Crew Chief will record composition weights and the information obtained from the *Sample Placard* on the *Hand Sort Characterization Form*, an example of which is shown in Appendix C. At the end of each week, copies of the *Hand Sort Characterization Forms* will be made, and the originals kept at CDMs office for data entry.

Waste from residential and ICI sectors will be sorted and weighed as outlined below. The sorting operation will proceed as follows:

- The sample will be selected as outlined in the previous sections.
- The Sampling Coordinator will provide the Crew Chief vehicle information of each sample for the sampling data form via the *Sampling Placard*. Data recorded will include the date, the time, the area where the waste was collected, and any identifying numbers on the truck.
- The sample will be unloaded from a front-end loader bucket onto a tarp in the sample storage area near the sorting table.
- Large items (e.g., corrugated cardboard, wood) and bags containing a single waste category (most often yard waste) will be removed from the sample and set aside for weighing, bypassing the sorting box.
- The remainder of the sample will be transferred by increments into the sorting box, using broad-bladed shovels to transfer loose material.
- Sample sorting will be conducted using a sorting box which has a ¼-inch screen on the bottom.
- Samples will be sorted until the material particle size ranges from ¼ to 2-inch. At that time the Crew Chief will apportion the material to the appropriate material categories. The residual fines that fall through the screen will be included in category 37 - Bottom fines and dirt, unless it can be visually categorized further (e.g. material is primarily food waste, etc.).
- The waste will be sorted into the containers surrounding the sorting box. The Crew Chief will check the containers periodically for accuracy of sorting.
- The containers will be brought to the scale, checked for accuracy of sorting by the Crew Chief, and weighed.

- The container number and weight of the waste in each container will be recorded in the appropriate space on the data form.
- Data quality control checks will be implemented which will include a secondary review of all data recorded and checks for missing data, categories without data, suspect weights, tare weights, and total sample weight.
- Once the data form has been checked the containers will be dumped in a designated area for disposal and recycling, if available, by the facility operator.

The containers used in sorting operations have individual tare weights that typically vary no more than 2 percent from their average tare weight; therefore, a representative tare weight will be used. The tare weight will be checked if containers become coated with food or other materials. If the sorted waste in a container weighs very little in proportion to the container, the waste will be removed from the container and weighed loose. The equipment used for the field activities is shown in the residential and ICI Hand Sort Equipment List provided below.

2.3.2.1 List of Equipment and Data Forms for Hand-Sorting

A list of equipment for hand-sorting is included below:

- Plastic bins/buckets
- Boots
- Gloves
- Hard hats
- Stapler
- Duct tape
- Shovels
- Broom
- Tarps
- Scales
- Sorting tables
- Magnet
- Clipboards
- Hand wipes
- Calculator
- Rain gear
- Safety vests
- First aid kit
- 30-gallon garbage can

- Two-way radio or cell phone to communicate with scalehouse
- Field Forms
  - Hand Sort Characterization Form
  - Residential Sample Placard
  - ICI Sample Placard
  - Vehicle Selection and Quota Form

2.3.3 Staffing Plan, Training, and Supervision of Hand-Sorting Crew

The Field Manager is responsible for coordinating with the disposal facility, providing the quotas for sampling, supervising waste sorting, reviewing data quality on-site, and will also serve as a crew Chief or Sampling Coordinator. The field team will consist of a total of 6 personnel, a Crew Chief, a Sampling Coordinator, and 4 crew members who will serve as sorters. The Sampling Coordinator is responsible for coordinating with the scale house to select the designated samples, interviewing the vehicle driver, and providing the Crew Chief with the sample information. The Crew Chief is responsible for supervising waste sorting, logging the sample weights, and reviewing data quality on-site. The waste sorters will consist of personnel who have experience sorting waste.

To ensure data quality, the field crew will review the work plan/ health and safety plan, be trained to identify all 79 categories (Appendix D), and be trained in all data quality control measures that will be implemented in the field, prior to each period of field work. The team will have a kickoff meeting to train the sorting crew, discuss safety, and teach the proper procedures for sample collection and sorting. Daily meetings will also be held during the sort to revisit the health and safety plan and ensure quality standards are met.

2.4 Sampling C&D Waste (Visual Characterization)

Construction and demolition (C&D) waste will be characterized at each facility. This section describes how vehicles will be selected and how loads will be characterized.

2.4.1 Obtaining C&D Loads

2.4.1.1 Developing a Procedure to Select C&D Loads at Each Facility

The consultant team will determine the approximate number of C&D waste loads that arrive at each participating facility on each day of the week. These estimates will be used to determine the selection procedure for C&D waste vehicles (i.e., to determine the intervals at which vehicles are selected for sampling as they arrive at the facility entrances.

Other factors that affect the logistics of vehicle selection at each facility include the number of entrances used by C&D waste vehicles, the hours of operation, and the peak times for arrival of C&D waste (if applicable). All of this information will be gathered from each facility and will be used to create a unique *C&D vehicle selection form* for each sampling day, as described in more detail below.

2.4.1.2 Selecting and Diverting C&D Loads

The consultant team will work with the scalehouse operators at each facility to apply the vehicle selection procedure in order to identify and divert vehicles that are to provide samples of industrial and C&D waste. The first step in this procedure will be to use the following screening criteria to determine whether the vehicle is eligible for sampling:

- The vehicle carries waste from the State of Illinois; and
- The vehicle carries mostly waste from C&D sources (small private contractor loads are permitted for C&D waste).

A sampling interval (e.g., every 3rd vehicle) will be calculated for each facility for each sampling day, based on sampling quotas and based on the numbers of C&D waste vehicles expected throughout the day. The purpose of using sampling intervals is to ensure an unbiased selection of C&D vehicles to provide waste samples. For vehicles that meet the screening criteria of C&D waste, the scalehouse operator will use CDM's selection procedure (every nth vehicle) to direct the vehicles to the visual characterization area.

The scalehouse operator will apply the sampling intervals by "checking off" eligible vehicles on the *C&D vehicle selection forms* and directing selected vehicles to the sampling area. An example of a *C&D vehicle selection form* is shown in Appendix C.

To calculate vehicle sampling intervals for C&D waste, the consultant team will divide the total number of C&D waste loads expected to arrive at the facility on a given day (to be estimated from disposal site interviews) by the number of C&D samples desired each day. The resulting number is the sampling interval and determines whether every third vehicle, every sixth vehicle, or every 20th vehicle is selected for sampling. Generally, C&D waste vehicles will be selected during an eight-hour period on each sampling day, such that the sampling period includes the "peak" arrival time for C&D waste at that facility. On the day of sampling, the sampling intervals may be adjusted at the discretion of the Sampling Coordinator in order to ensure that enough loads can be intercepted during the time available.

When a vehicle is selected for sampling, the scalehouse operator will place the *C&D Sample Placard* on the vehicle's windshield or dashboard to identify it as a vehicle intended for sampling and direct the driver to the sampling area. Please see Appendix C for an example of a *C&D Sample Placard*.

When the Sampling Coordinator identifies the designated vehicle, they will gather information from the driver such as vehicle type, hauler, truck number, etc. and will assign that load a sample number. The Sampling Coordinator will also note any unusual circumstances associated with the load sample and will instruct the driver as to where to tip the load.

2.4.2 Characterizing C&D Waste Loads

Visual estimation is the preferred method for characterizing solid waste that is relatively homogeneous in composition, or that contains predominantly large, bulky items. CDM will

gather volume-based estimates of composition data in the field, and then convert to weight during data analysis, using volume-to-weight conversion factors. The Field Manager/Sampling Coordinator will work with the scalehouse to interview haulers to determine the source and type of waste material, along with other information on sampled loads, and will conduct the visual characterizations/field observations of each load sampled.

When a truckload that has been selected for observation arrives at the facility, the basic data for the truck, including (but not limited to) the hauler's name, origin of the load, type of material in the load, and size of the will be recorded. The Field Manager will also work with the scalehouse to select the loads to be visually characterized and determine where to observe the tipped load. After the visual observations of each load have been completed, the loader operator will be notified that that material is no longer needed.

Where the logistics of each facility allow, the field team will determine the actual weight of sample. For loads that are weighed by the facility, the Field Manager will collect weight information from the scalehouse as determined during the facility interviews.

The consultant team proposes the following visual characterization methods for each sample designated for evaluation:

1. **Estimate total volume of load:** The first step in the observation process is to estimate the total volume of each load. This is accomplished by estimating three basic dimensions: length, width, and height of the load after it has been tipped, or by using the size of the vehicle.

2. **Identify and record material categories in load:** Pictures of the load will be taken as it is tipped for reference. The load will be observed as it is tipped so that the load can be estimated from a distance.

3. **Estimate composition by volume of load:** Beginning with the largest material category by volume, estimate the volumetric percentage of this material to the nearest 5% and record it on the Visual Characterization Form. Repeat this process (for the next most common material) until the percentage of each material that represents at least 5% of the load has been estimated.

4. Review the estimated volume of each component material in relation to other material types (i.e., if wood is 15%, is there more or less drywall?).

5. Check and reconcile percentage data. Make sure that the volumetric estimates of each material category add up to 100%. If they do not, adjust proportionally so that the total equals 100%.

2.4.2.1 List of Equipment and Data Forms for Visual Characterization

A list of equipment for visual characterizations is included below:

- Boots

- Gloves
- Hard hats
- Dust masks
- Safety glasses
- Stapler
- Duct tape
- Clipboards
- Hand wipes
- Calculator
- Rain gear
- Safety vests
- First aid kit
- Two-way radio or cell phone to communicate with gatehouse
- Field Forms
  - Visual Characterization Form
  - C&D Vehicle Selection Form
  - C&D Sample Placard

2.4.3 Staffing Plan, Training, and Supervision of Visual Characterization Crew

The Field Manager/Sampling Coordinator will be responsible for coordinating with the scalehouse to interview haulers and to determine the source and type of waste material, along with other information on sampled loads, and performing/recording the visual characterizations/field observations of each load sampled. The Field Manager/Sampling Coordinator will be experienced in visually characterizing C&D Materials.

2.5 Health and Safety Plan

The Health and Safety Plan for the IRA MSW Disposed Characterization Study is provided in Appendix E.

2.6 General Contingency Measures

For hand-sorted samples, in the case that an insufficient number of vehicles is available for sampling at a disposal facility to reach the day's sampling goal, the sorting crew may resort to obtaining two samples from the same load, or electing to process additional samples from a different waste sector and make up the absent samples. This strategy may also be used when samples are missed for other unforeseen reasons. In all cases, the sampling plan will assign the frequencies of vehicles to be selected in such a way as to minimize the chance of "running out" of vehicles to represent a particular waste sector at a disposal facility.

Section 3
Data Management Plan

This section discusses how the sample and survey data will be stored and the analysis method that will be used to determine waste composition profiles for each subsector.

3.1 Data Entry and QA/QC

After the field forms are checked by the Field Manager/ Crew Chief and entered into the required data format, copies of the field forms will be taken to the CDM office where the Project Manager/ task manager will verify that all required data is recorded properly, that the targeted numbers of samples are obtained, and oversee data entry. CDM will provide IRA with a summary of sampling activities weekly during the field activities.

The compiled characterization data from individual samples will be entered into an analytical database, from which waste composition estimates will be calculated. In the analytical database, there will be a unique record for each sample of waste that is sorted. Throughout the waste results section, confidence intervals will be calculated at a 90% level of confidence, meaning that we can be 90% sure that the population mean falls within the upper and lower confidence intervals shown.

3.2 Waste Composition Calculations

3.2.1 Visually Characterized Loads

The composition calculations rely on the availability of individual material weights for each sample. The data collected during visual characterizations in this study are volume estimates. CDM will convert volume estimates to weights using waste density conversion factors.

Using volume-to-weight conversion factors and the volume estimates obtained during the characterization of each sample, individual material weights were calculated using the following formula:

$$c = m \times s \times v \times d$$

where:

c = the total weight of the specific material in the sample

m = percentage estimate of the material, as a portion of the material class (e.g., the extent to which *newspaper* constitutes all of the ***Paper*** in the sample)

s = percentage estimate of the material class, as a portion of all the material in the sample (e.g., the extent to which ***Paper*** constitutes all of the material in the sample)

v = total volume of the sample (in cubic yards)

d = density conversion of the material (in pounds/cubic yard)

3.2.2 Calculating Waste Composition Estimates

The following method will be used to estimate the composition of waste belonging to each waste sector or sub-sector. For a given sector (that is, for the samples belonging to the same waste sector within the same region), the composition estimate denoted by r_j represents the ratio of the components' weight to the total weight of all the samples in the stratum. It will be derived by summing each component's weight across all of the selected samples belonging to a given stratum and dividing by the sum of the total weight of waste for all of the samples in that stratum, as shown in the following equation:

$$r_j = \frac{\sum_i c_{ij}}{\sum_i w_i}$$

where:

c = weight of particular component

w = sum of all component weights

for i = 1 to n, where n = number of selected samples

for j = 1 to m, where m = number of components

For example, the following simplified scenario involves three samples. For the purposes of this example, only the weights of the component *carpet* are shown.

	Sample 1	**Sample 2**	**Sample 3**
Weight (*c*) of carpet	5	3	4
Total Sample Weight (*w*)	80	70	90

$$r_{Carpet} = \sum \frac{5+3+4}{80+70+90} = 0.05$$

To find the composition estimate for the component *carpet*, the weights for that material are added for all selected samples and divided by the total sample weights of those samples. The resulting composition is 0.05, or 5 percent. In other words, 5 percent of the sampled material, by weight, is *carpet*. This finding is then projected onto the stratum being examined in this step of the analysis.

The confidence interval for this estimate will be derived in two steps. First, the variance around the estimate will be calculated, accounting for the fact that the ratio included two random variables (the component and total sample weights). The variance of the ratio estimator equation follows:

$$\mathrm{Var}(r_j) \approx \left(\frac{1}{n}\right)\left(\frac{1}{\overline{w}^2}\right)\left(\frac{\sum_i \left(c_{ij} - r_j w_i\right)^2}{n-1}\right)$$

where:

$$\overline{w} = \frac{\sum_i w_i}{n}$$

(For more information regarding Equation 2, please refer to Sampling Techniques, 3rd Edition by William G. Cochran [John Wiley & Sons, Inc., 1977].)

Second, precision levels at the 90 percent confidence level will be calculated for a component's mean as follows:

$$r_j \pm \left(z\sqrt{\mathrm{Var}(r_j)}\right)$$

where z = the value of the z-statistic (1.645) corresponding to a 90 percent confidence level.

Composition results for strata will then be combined, using a weighted averaging method, to estimate the composition of larger portions of the waste stream. The relative tonnages associated with each stratum serve as the weighting factors. The calculation will be performed as follows:

$$O_j = \left(p_1 * r_{j1}\right) + \left(p_2 * r_{j2}\right) + \left(p_3 * r_{j3}\right) + \ldots$$

where:

p = the proportion of tonnage contributed by the noted waste stratum (that is, the weighting factor)

r = ratio of component weight to total waste weight in the noted waste stratum (that is, the composition percent for the given material component)

for j = 1 to m, where m = number of material components

For example, the above equation is illustrated here using three waste strata.

	Stratum 1	Stratum 2	Stratum 3
Ratio (r) of carpet	5%	10%	10%
Tonnage	25,000	100,000	50,000
Proportion of tonnage (*p*)	14.3%	57.1%	28.6%

To estimate the portion of larger portions of the waste stream, the composition results for the three strata are combined as follows.

$$O_{Carpet} = (0.143 * 0.05) + (0.571 * 0.10) + (0.286 * 0.10) = 0.092 = 9.2\%$$

Therefore, 9.2 percent of this examined portion of the waste stream is *carpet*.

The variance of the weighted average will be calculated as follows:

$$\mathrm{Var}(O_j) = \left(p_1^2 \ \mathrm{Var}(r_{j1})\right) + \left(p_2^2 \ \mathrm{Var}(r_{j2})\right) + \left(p_3^2 \ \mathrm{Var}(r_{j3})\right) + \ldots$$

Appendix A
Facility Interview Questionnaire

Each site selected for sampling will be interviewed prior to sorting waste at the facility. The purpose of each site interview is to obtain information for 1) creating sampling intervals and conducting data analysis following the sampling; and 2) arranging on-site logistics (e.g., designating an area for waste sorting).

A copy of the interview form is provided below.

IRA Waste Characterization Study 2008

Facilities Interview

Study background, including:

- Potentially sorting in September/October (September 24-October 30th) 1 day at the facility.
- Letter of Support provided by the State of Illinois
- We will sort about **10 loads** of waste entering the site per day.

Facility Information

Facility Name _____

Facility Address _____

Owner of facility_____Phone #_____

On-site Logistics Contact _____Phone #_____

e-mail address_____

Primary Field Contact _____Phone #_____

Additional Information _____

_____

1. During a typical week, what is the # of loads you receive?_____Total weekly tonnage?_____

2. Does the facility weigh all vehicles? Yes No In not, which vehicles does it weigh?

   a. Can the facility provide actual net weights for every load? If not, what types of loads are estimated?

   b. Will drivers know their net weight by the time they arrive at the tipping floor/face or not until they scale out?

3. How many entrances are there into the facility? ___Who uses each? (e.g., are commercial accounts different than cash customers?)

4. What time do you begin accepting garbage and what time do you normally close/reach your daily tonnage limit?

   a. Do you have separate hours for commercial haulers? If yes, what are they?

5. Are vehicle net weights printed on customer receipts upon exiting the facility?

   a. Yes No

6. Do you have a space that we can use?
   Space requirements are equivalent to 2-3 truck bays adjacent to the working face/tip area of the facility. Samples will be collected from the working face/tip area so the area should be convenient for sample transport.

7. Can you provide me with a map of the site?

   a. If so please send to fax # 312-346-5228 or shiffersm@cdm.com

   b. Please indicate on the map or otherwise let us know where you would like us to set-up at the facility.

8. We would need your assistance in the following: a front-end loader or bobcat and operator who could collect ~10 200lb-samples throughout the day from the working face and transport it to our working area. Is this possible?

9. We would also need to develop a plan for the use of scales and the cooperation of gatehouse personnel to obtain vehicle net weights and selecting samples
   a. Are there any rules that may be used for recording the net weight of vehicles and for recording alternate minimum weights for small vehicles?

b. Would we be able to have the scale house person assist us in obtaining load specific information through a brief ~ 3 question survey? The purpose of the survey is to determine the distribution of waste between the three categories (see definitions at the end of the survey) and waste source locations.

10. Are there any limits on your facility? i.e. types of waste you receive or accept waste only from certain cities, counties

11. Please share any information about existing recycling or recovery operations at the facility and quantities of materials recovered.
    a. Magnitude (tons etc.)?

    b. Materials recycled?

12. Do you have any tips about any unusual conditions (e.g., weather, anomalies in traffic patterns, etc.) that might affect data collection?

13. Can you provide me with written directions and/or a map to the site (such as used for directing tour groups)? Please send to fax # 312-346-5228 or shiffersm@cdm.com

14. Please complete the following table for waste accepted during a typical week:

Waste Stream Definitions:

- Residential – waste generated by single-family and multiple-family dwellings. This waste is primarily collected in packer trucks (e.g., rear loading vehicles).
- Commercial – waste generated by businesses and institutions. This waste is collected in a variety of vehicles including loose and compactor drop boxes, and front-end loading trucks.
- Industrial – waste generated by industrial activity, such as that of primary and fabricated manufacturing facilities, mills, and mines. Unlike regular MSW which is primarily food, packaging and disposed products, industrial waste is the material disposed from the production of commercial and consumer goods or the treatment and disposal of waste and sewage.
- Construction and demolition (C&D) – waste generated from new construction, renovation activities, or demolition. This waste is collected in vehicles such as dump trucks, loose roll-off boxes, and end dump vehicles.

  Please use % or you best guess if total number of trucks is known but number not per category.

	Weekdays		Weekends	
	# of trucks	**Peak hours**	**# of trucks**	**Peak hours**
Residential				
Commercial/Institutional				
Industrial				
C&D				
Total				

15. We will use this information to finalize the facilities that we would like to sample from and we will follow-up to a schedule a day for sampling in the time period outlined above. Please let us know if there are any days that would not work due to vacations, etc.

Thank you for your time!

Appendix B
Facility Information

Facility Information

IEPA Region	Primary (P)/ Secondary(S)	Landfill/ Transfer Station (TS)	Town/County	Operator	Address	Phone Number
1	P	Landcomp	Ottawa/LaSalle	Allied Waste Services	2840 E. 13th Road Ottawa, IL 61350	815-434-1808
	P	Veolia ES Orchard (Orchard Hills)	Davis Junction/Ogle	Veolia Environmental Services	8290 North Il Route 251, Davis Junction, il 61020-9706	(815) 874-9000
	S	Lee	Dixon/Lee	Allied Waste Services	1214 South Bataan Road Dixon, il 61021-8308	815-288-4607
	S	Prairie Hill	Morrison/Whiteside	Waste Management	18762 Lincoln Rd. Morrison, IL 61270	815/772-7308
2	P	Countryside	Grayslake/Lake	Waste Management	31725 N. Route 83 Grayslake, IL 60030	847.223.2722
	P	Veolia ES Zion Landfill	Zion/Lake	Veolia Environmental Services	701 GREENBAY ROAD ZION, IL 60099	847-599-5910
	P	River Bend Prairie	Dolton/Cook		1220 East 138th Street Chicago, IL 60827	773-264-8508
	P	Environtech	Morris/Grundy	Allied Waste Services	1800 N. Ashley Road Morris IL	815-942-1800
	P	Land & Lakes Transfer (TS)	Chicago/Cook		1258-1300 E. 138th St. Chicago	(708) 720-5100
3	P	Knox County 3	Oneida/Knox		996 Knox Road 2150 North, Box Wataga, Illinois 61488	309-375-6045
	P	Peoria City/County	Brimfield/Peoria	Waste Management	11501 Cottonwood Road Brimfield, IL 61517	309/565-7938
	S	Indian Creek 2	Hopedale/Tazewell		2401 W McMullen Rd Hopedale, IL 61747	309.449.6864
	S	Quad Cities Ph.IV	Milan/RockIsland		13606 Knoxville Road Milan, IL 61264	309-787-2303
4	P	Brickyard	Danville/Vermillion	Allied Waste Services	601 E. Brickyard Road, P.O. Box 985 Danville, IL 61834-0985	217-443-3128
	P	Livingston	Pontiac/Livingston	Allied Waste Services	14206 E 2100 North Rd pontiac il 61764	(815) 844-3054
	S	Clinton	Clinton/DeWitt		Mailing: U.S. Route 51 South R.R. #2, Box 216L Clinton, Illinois 61727 Facility: 448 US Highway 51, Clinton, IL, 61747	217-935-8028
	P	ERC Coles County	Charleston/Coles	Environmental Reclamation Co	6351 W. State St Charleston, IL	217-345-7404
	P	Veolia ES Valley View Landfill Inc	Decatur/Macon	Veolia Environmental Services	1363 Bear Road Decatur, IL 62522	217-963-2976
5	S	Envotech Illinois	Litchfield/Montgomery		2782 Landfill Trail, P.O. Box 97 Litchfield, IL 62056	618-656-6912
	P	Sangamon Valley	Springfield/Sangamon	Allied Waste Services	2565 Sandhill Road Springfield, IL 62707	217-528-9256
	S	Five Oaks	Taylorville/Christian	Waste Management	890 E. 1500 North Road Taylorville, IL 62568	217-824-3942 Ext. 115
	P	Pike County	Baylis/Pike		Rural Route 1 Baylis, Illinois 62314	217.833.2732
6	P	Bond County	Greenville/Bond	Allied Waste Services	825 Willard St., R.R. 3 Greenville, IL 62246	618-664-2587
	P	Milam	East St.Louis/St.Clair	Waste Management	601 Madison Road East St. Louis, IL 62201	618-271-6788 Ext. 2122
	S	Roxana	Roxana/Madison	Allied Waste Services	4600 Cahokia Creek Road, P.O. Box 97 Roxana, IL 62084-0097	618-656-6912
	S	Cottonwood Hills	Marissa/St. Clair	Waste Management	10400 Hillstown Rd Marissa, IL 62257	(618) 295-2809
7	P	So. IL Regional	DeSoto/Jackson		1540 Landfill Road DeSoto, IL 62924	618.867.3397 Ext. 111
	S	Perry Ridge	DuQuoin/Perry		6305 Sacred Heart Road DuQuoin, IL 62831	618-357-5599
	P	Veolia ES Wayne County Landfill	Fairfield/Wayne	Veolia Environmental Services	State Route 15 West, RR #1, Box 214 Fairfield, IL 62837	618-842-3395

P - Indicates Primary Sampling Location

S - Indicates Secondary Sampling Location

Appendix C
Field Forms

The field forms for this study are included in the following order:

- Vehicle selection forms (number of loads required per facility, waste sector, and sub-stream)
  - Residential vehicle selection form
  - ICI vehicle selection form
  - C&D vehicle selection form

- Sample identification placards
  - Residential Sample Placard
  - ICI Sample Placard
  - C&D Sample Placard

- Waste Characterization forms
  - Hand Sort Characterization Form
  - Visual Characterization Form

Sample Placard

RES1	
DATE: 9/24/2008	LOCATION:
HAULER:	TRUCK #:
VEHICLE TYPE:	

Waste Characterization Form - Hand Sort

IRA Hand Sort - Waste Characterization Form

Waste Stream: Res Com SH
Total Sample Weight: _____
Does load contain C&D? Y N
Photo taken: ☐
Vehicle type: front loader / side loader / rear loader / loose drop box / compacted drop box / other: _____

Sample ID: _____
Date: _____
Time: _____

Location: _____
Truck #: _____
County/City _____
Hauler: _____

PAPER	Weight 1	Weight 2	Weight 3
Newsprint			
High Grade Office Paper			
Magazines/Catalogs			
Cardboard/Kraft			
Boxboard			
Mixed Paper - Recyclable			
Compostable Paper			
Other Paper- Nonrecyclable			
BEVERAGE CONTAINERS			
Milk and Juice cartons/Aseptic			
PLASTIC			
#1 PET Bottles/Jars			
#1 Other PET Containers & Packaging			
#2 HDPE Bottles/Jars - Clear			
#2 HDPE Bottles/Jars - Color			
#2 Other HDPE Containers & Packaging			
#6 Styrofoam/Polystyrene Packaging			
#3-#7 Other- All			
Other Rigid Plastic Products			
Grocery & Merchandise Bags			
Trash Bags			
Commercial & Industrial Film			
Other Film			
Remainder/ Composite Plastic			
GLASS			
Recyclable Glass Bottles and Jars			
Flat Glass			
Other Glass			
METAL			
Aluminum Beverage Containers			
Other Aluminum			
HVAC Ducting			
Ferrous containers (tin cans)			
Other Ferrous			
Other Non-Ferrous			
Other Metal			
ORGANIC			
Yard Waste - Compostable			
Yard Waste - Woody			
Food Scraps			
Bottom Fines and Dirt			
Diapers			
Other Organic			

CONSTRUCTION & DEMOLITION	Weight 1	Weight 2	Weight 3
Clean Dimensional Lumber			
Clean Engineered Wood			
Wood Pallets			
Painted Wood			
Treated Wood			
Concrete			
Reinforced Concrete			
Asphalt Paving			
Rock & Other Aggregates			
Bricks			
Gypsum Board			
Composition Shingles			
Other Roofing			
Plastic C&D materials			
Ceramics/Porcelain			
Other C&D			
INORGANICS			
Televisions			
Computer Monitors			
Computer Equipment/Peripherals			
Electronic Equipment			
White Goods - refrigerated			
White Goods - not refrigerated			
Lead-acid Batteries			
Other Household Batteries			
Tires			
Household Bulky Items			
Fluorescent Lights/Ballasts			
HOUSEHOLD HAZARDOUS			
Latex Paint			
Oil Paint			
Plant/Organism/Pest Control/Grow th			
Used Oil/Filters			
Other Automotive Fluids			
Mercury-Containing Items			
Sharps & Infectious Waste			
Ash, Sludge, & Other Industrial			
Sewage Solids			
Other HHW			
TEXTILES			
Carpet			
Carpet Padding			
Clothing			
Other Textiles			

If found please call 312-346-5000. Reward offered.

Waste Characterization Form – Visual Characterization

Chicago Visual Sort - Waste Characterization Form

Sample ID:_____		Field Supervisor: _____
☐ Labeled & Photographed		Facility Name: _____
Date: _____ Time: _____		Location: _____
Hauler:		Load Weight: _____ pounds or tons
Container Yardage: _____	Percent Full: _____	Load Dump Dimensions: _____ x _____ x _____

	Material Group	% By Volume	% By Volume	Notes
PAPER	Boxboard	☐		
	Compostable Paper			
	High Grade Office Paper			
	Magazines/Catalogs			
	Mixed Paper - Recyclable			
	Newsprint			
	Uncoated OCC/Kraft			
	Other Paper			Subtotal must equal 100%
	Milk and Juice cartons/boxes, coated	☐		
GLASS	Recyclable Glass Bottles and Jars	☐		
	Flat Glass			
	Other Glass			Subtotal must equal 100%
PLASTIC	#1 PET Bottles/Jars	☐		
	#1 Other PET Containers & Packaging			
	#2 HDPE Bottles/Jars - Clear			
	#2 HDPE Bottles/Jars - Color			
	#2 Other HDPE Containers & Packaging			
	#6 Expanded Polystyrene Packaging (EPS)			
	#3-#7 Other - all			
	Other Rigid Plastic Products			
	Grocery & Merchandise Bags			
	Trash Bags			
	Commercial & Industrial Film			
	Other Film			
	Remainder/ Composite Plastic			Subtotal must equal 100%
METAL	Aluminum Beverage Containers	☐		
	Ferrous containers (tin cans)			
	HVAC Ducting			
	Other Aluminum			
	Other Ferrous			
	Other Non-Ferrous			
	Other Metal			Subtotal must equal 100%
ORGANIC	Yard Waste - Compostable	☐		
	Yard Waste - Woody			
	Food Scraps			
	Bottom Fines and Dirt			
	Diapers			
	Other Organic			Subtotal must equal 100%
C&D MATERIALS	Clean Dimensional Lumber	☐		
	Clean Engineered Wood			
	Wood Pallets			
	Painted Wood			
	Treated Wood			
	Concrete			
	Reinforced Concrete			
	Asphalt Paving			
	Rock & Other Aggregates			
	Bricks			
	Gypsum Board			
	Composition Shingles			
	Other Roofing			
	Plastic C&D materials			
	Ceramics/Porcelain			
	Other C&D			Subtotal must equal 100%
INORGANICS	Televisions	☐		
	Computer Monitors			
	Computer Equipment/Peripherals			
	Electronic Equipment			
	White Goods - refrigerated			
	White Goods - not refrigerated			
	Lead-acid Batteries			
	Other Household Batteries			
	Tires			
	Household Bulky Items			
	Fluorescent Lights/Ballasts			Subtotal must equal 100%
HHW	Latex Paint	☐		
	Oil Paint			
	Plant/Organism/Pest Control/Growth			
	Used Oil/Filters			
	Other Automotive Fluids			
	Mercury-Containing Items			
	Sharps & Infectious Waste			
	Ash, Sludge, & Other Industrial Processed Wastes			
	Sewage Solids			
	Other HHW			Subtotal must equal 100%
TEXTILES	Carpet	☐		
	Carpet Padding			
	Clothing			
	Other Textiles			Subtotal must equal 100%
	Total category must equal 100%			

Notes

Vehicle Selection and Quota Form – Example

Note: The following form is only an example. When we receive the total numbers of loads expected at each facility, this form will be customized and replicated for each sampling day at a given facility.

Waste Characterization Study
Vehicle Selection Form

Site: 34th Street MRRF

Date: 8/28/2008 **Goal:** **15 Samples Total**

DSS RESIDENTIAL: (Sample IDs RES 1-15) **NEED** 15 **TOTAL**

**Must be at least 80% residential waste.*

Wards needed today: _____

Each number below represents an expected vehicle based on the available data. If driver answers "yes" to any of the above wards, then cross off one number below for that driver's vehicle as it enters the landfill. When you reach a circled number, give the vehicle a placard and ask the vehicle to go to the sorting area.

(1)	2	3	(4)	5	6	(7)	8	9	(10)
11	(12)	13	14	(15)	16	17	(18)	19	20
(21)	22	23	(24)	25	26	(27)	28	29	(30)
31	(32)	33	34	(35)	36	37	(38)	39	(40)

(expect 40)

Appendix D
Materials List and Definitions

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
P A P E R	1	Newsprint	Recoverable	Includes newspaper and glossy inserts, and all items made from newsprint, such as free advertising guides, election guides, plain news packing paper, stapled college schedules of classes, and tax instruction booklets.
	2	High Grade Office Paper	Recoverable	Includes white and pastel bond, rag, or stationary grade paper, with or without ink. Examples include photocopy, laser print, letter paper, computer paper used for computer printouts, notebook or ledger paper, and index cards.
	3	Magazines/Catalogs	Recoverable	Includes magazines and catalogs and other items made of glossy coated paper. This paper is usually slick, smooth to the touch, and reflects light. Does not include phone books.
	4	Uncoated OCC/Kraft	Recoverable	Includes uncoated cardboard items with a wavy core, without wax coating on the inside or outside. Examples include shipping and moving boxes, computer packaging cartons, sheets and pieces of boxes and cartons, Kraft paper bags, and other Kraft paper. Does not include chipboard.
	5	Boxboard	Recoverable	Includes chipboard not coated with wax, metal, or plastic. Also includes paperboard such as cereal and tissue boxes.
	6	Mixed Paper - Recyclable	Recoverable	Includes all other recyclable papers not elsewhere described. Includes phone books and directories, junk mail, envelopes, brightly colored ledger paper and other dry paper, manila folders, index cards, carbonless forms, and egg cartons. Mixed Recyclable Paper may be combined with minor amounts of other materials such as wax or glues.
	7	Compostable Paper	Compostable	Includes low grade and food contaminated paper which is compostable. Examples include paper towels, paper plates, waxed papers, and tissues.
	8	Other Paper	Non-recoverable	Includes items made mostly of paper but combined with large amounts of other materials such as wax, plastic, glues, foil, wire, food and moisture. Examples include blueprints, sepia, onion skin, foiled lined fast food wrappers, carbon paper, coated OCC, and photographs.
Beverage Containers	9	Milk and Juice cartons/boxes, coated	Recoverable	Includes aseptic packages and polycoated (gable top) cartons.
	10	#1 PET Bottles/Jars	Recoverable	Includes clear or colored PET bottles (i.e., narrow neck containers) and jars marked with a #1. May also bear the letters "PETE" or "PET." The color is usually transparent green or clear, and does not turn white when bent. Examples include soft drink bottles, some liquor bottles, and cooking oil containers.
	11	#1 Other PET Containers & Packaging	Potentially Recoverable	Includes PET containers and packaging marked with a #1 and potentially bearing the letters "PETE" or "PET."
	12	#2 HDPE Bottles/Jars - Clear	Recoverable	Includes bottles (i.e., narrow neck containers) and jars marked with #2 that are cloudy white, allowing light to pass through it (natural). Examples include milk jugs, water jugs, some hair-care bottles, and other clear empty fluid containers marked with #2 or "HDPE."

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
PLASTICS	13	#2 HDPE Bottles/Jars - Color	Recoverable	Includes bottles (i.e., narrow neck containers) and jars marked with #2 that are a solid color, preventing light from passing through it (pigmented). Examples include detergent bottles, some hair-care bottles, empty motor oil, empty antifreeze, and other empty vehicle and equipment fluid containers marked with #2 or "HDPE."
	14	#2 Other HDPE Containers & Packaging	Potentially Recoverable	Includes HDPE containers and packaging marked with a #2 and potentially bearing the letters "HDPE."
	15	#6 Expanded Polystyrene Packaging (EPS)	Recoverable	Includes formed or sheet expanded polystyrene (EPS) items marked with a PS or a #6, used for packaging and shipping. Examples include items used for food packaging or food service, food trays, egg cartons, packaging peanuts, packaging blocks, and coolers.
	16	#3-#7 Other - All	Potentially Recoverable	Includes bottles, jars, and containers marked #3-#7 or unmarked that are made of types of plastic other than HDPE (high-density polyethylene) or PETE (polyethylene terephthalate). Examples include syrup bottles, salad dressing bottles, clamshells, salad trays, lids, cookie tray inserts, plastic spools, plastic frozen food trays, yogurt cups and lids, margarine tubs, clamshell-shaped fast food containers, shampoo containers, vitamin bottles, and toothpaste tubes. Also includes toxic product containers, such as for oil or antifreeze.
	17	Other Rigid Plastic Products	Potentially Recoverable	Includes plastic items other than containers, film plastic, HDPE buckets, or #3-#7 buckets that are often made to last for more than one use. These items may bear the numbers 3 through 7 in the triangular recycling symbol. Examples include plastic outdoor furniture, plastic toys and sporting goods, CDs, and plastic house wares, such as mop buckets, dishes, cups, cutlery, fan blades, impact-resistant cases such as tool boxes and first aid boxes, and HDPE 5 gallon buckets.
	18	Grocery & Merchandise Bags	Recoverable	Includes labeled grocery and merchandise, dry cleaner, and newspaper polyethylene film bags that were not contaminated with food, liquid or grit during use.
	19	Trash Bags	Non-recoverable	Includes polyethylene film bags that were used to contain garbage such as black or transparent trash bags.
	20	Commercial & Industrial Film	Recoverable	Includes film plastic used for large-scale packaging or transport packaging, such as industrial film, wrappings, plastic strapping, other thin flexible plastic packaging, plastic sheeting, and shrink wrap.
	21	Other Film	Non-recoverable	Includes film packaging not defined above, such as film that is woven together (e.g., grain bags); contains multiple layers of film or other materials that have been fused together (e.g., potato chip bags); is used to contain food or liquid (e.g., produce and bread bags); plastic sheeting; photographic negatives; and shower curtains.
	22	Remainder/ Composite Plastic	Non-recoverable	Includes plastic items not elsewhere classified, as well as items made mostly of plastic but combined with other materials. Examples include disposable razors, pens, lighters, 3-ring binders, auto parts made of plastic attached to metal, plastic outdoor furniture, and other objects that contain more than 50% plastic, etc.

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
GLASS	23	Recyclable Glass Bottles and Jars	Recoverable	Includes clear, green, brown, and other colored glass bottles and jars containing beverages, food, or consumable liquids. Examples include whole or broken clear or colored soda, beer bottles, fruit juice bottles, peanut butter jars, mayonnaise jars, wine bottles, cosmetic jars and non prescription medical bottles.
	24	Flat Glass	Potentially Recoverable	Includes clear or tinted glass that is flat, such as glass window panes, doors, table tops, flat automotive window glass (side windows), safety glass, and architectural glass. This category does not include windshields, laminated glass, or any curved glass.
	25	Other Glass	Non-recoverable	Includes glass that cannot be put in any other type or subtype. It includes items made mostly of glass but combined with other materials, such as Pyrex, crystal and other glass tableware, auto windshields, and incandescent light bulbs.
METALS	26	Aluminum Beverage Containers	Recoverable	Includes any food or beverage container made mainly of aluminum, such as aluminum soda or beer cans and some pet food cans. This does not include bimetal containers with steel sides and aluminum ends.
	27	Other Aluminum	Potentially Recoverable	Includes items such as aluminum foil, pie plates, trays, siding, and furniture.
	28	HVAC Ducting	Recoverable	Includes sheet metal tubing, typically galvanized, used for conveying ventilation air.
	29	Ferrous containers (tin cans)	Recoverable	Includes rigid containers made mainly of steel, such as items that will stick to a magnet and may be tin-coated. This subtype is used to store food, beverages, paint, and a variety of other household and consumer products. Examples include canned food and beverage containers, empty metal paint cans, empty spray paint and other aerosol containers, and bimetal containers with steel sides and aluminum ends.
	30	Other Ferrous	Recoverable	Includes iron or steel that is magnetic or any stainless steel item, other than ferrous/bimetal cans. Examples include structural steel beams, boilers, metal clothes hangers, metal pipes, rebar, stainless steel cookware, security bars, scrap ferrous items, and galvanized items such as nails and flashing.
	31	Other Non-Ferrous	Recoverable	Includes any metal item, other than aluminum cans, that is not magnetic. These items may be made of copper, brass, aluminum, bronze, lead, zinc, or other metals. Examples include aluminum window frames, aluminum siding, copper wire, shell casings, brass pipe, and aluminum foil.
	32	Other Metal	Non-recoverable	Includes metal that cannot be put in any other category. This category includes items made mostly of metal but combined with other materials and items made of both ferrous metals and non-ferrous metal combined. Examples include small non-electronic appliances such as toasters and hair dryers, motors, insulated wire, and finished products that contain a mixture of metals, or metals and other materials, whose weight is derived significantly from the metal portion of its construction.

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
ORGANICS	33	Yard Waste - Compostable	Compostable	Includes leaves, grass clippings, garden debris, pruning, shrubs, and small branches up to 2 inches in diameter from any public or private landscapes.
	34	Yard Waste - Woody	Compostable	Includes vegetative woody plant material, branches, shrubs, and stumps that exceed 2 inches in diameter from any public or private landscape.
	35	Food Scraps	Compostable	Includes food material capable of being composted (including scrap animal parts). This type includes materials resulting from the processing, storage, preparation, cooking, handling or consumption of food and material from industrial, commercial or residential sources. Examples include discarded meat scraps, dairy products, egg shells, fruit or vegetable peels, and other food items from homes, stores, and restaurants. This type includes grape pomace and other processed residues or material from canneries, wineries, or other industrial sources.
	36	Bottom Fines and Dirt	Non-recoverable	Includes fragments that pass through 1/4 inch screen. Examples include mixed residue, sand, soil, clay, and dirt.
	37	Diapers	Non-recoverable	Diapers made from a combination of fibers, synthetic, and/or natural, and made for the purpose of single use. This includes disposable baby diapers and adult protective undergarments.
	38	Other Organic	Non-recoverable	Includes organic material that cannot be put in any other category such as items made mostly of organic materials but combined with other materials. Examples include cork, hemp rope, rubber/vinyl garden hoses, hair, cigarette butts, full vacuum bags, sawdust, and animal feces.
	39	Clean Dimensional Lumber	Recoverable	Includes unpainted, non-treated processed wood for building, manufacturing, landscaping, packaging, and from demolition. Examples include dimensional lumber, lumber cutoffs, wood scraps, and wood siding, materials such as 2 x 4s, 2 x 6s, 2 x 12s, and other residual materials from framing and related construction activities. May contain nails or other trace contaminants.
	40	Clean Engineered Wood	Recoverable	Includes unpainted, non-treated wood such as sheeted goods like plywood, particleboard, wafer board, oriented strand board, and other residual materials used for sheathing and related construction uses. May contain nails or other trace contaminants.
	41	Wood Pallets	Recoverable	Includes unpainted wood pallets, crates, and packaging made of lumber/engineered wood.
	42	Painted Wood	Non-recoverable	Includes wood that has been painted or stained like handrails or finished furniture. May contain nails or other contaminants.
	43	Treated Wood	Non-recoverable	Includes wood that has been treated with a chemical preservative for purposes of protecting the wood against attacks from insects, microorganisms, fungi, and other environmental conditions that can lead to decay of the wood. Examples include wood that has been pressure treated, chemically treated (with copper, etc.) or treated with creosote (e.g. railroad ties, marine timbers and pilings, landscape timbers, and telephone poles).

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
C & D	44	Concrete	Recoverable	Includes materials made of concrete, a hard material made from sand, gravel, aggregate, cement mix, and water. Examples include pieces of building foundations, concrete paving, cinder blocks, and man-made paving stones.
	45	Reinforced Concrete	Potentially Recoverable	Includes concrete with a steel internal structure composed of reinforcing bars (re-bar) or metal mesh.
	46	Asphalt Paving	Recoverable	Includes black or brown, tar-like material mixed with aggregate used as a paving material.
	47	Rock & Other Aggregates		Includes aggregates (other than concrete and asphalt paving) such as masonry tile, clay roofing tiles, rock, stones, and materials made of rock.
	48	Bricks	Potentially Recoverable	Includes bricks and materials made of bricks.
	49	Gypsum Board	Potentially Recoverable	Includes gypsum interior wall covering made of a sheet of gypsum sandwiched between paper layers. This category includes used or unused, broken or whole sheets. Gypsum board may also be called sheetrock, drywall, plasterboard, gypboard, gyproc, or wallboard.
	50	Composition Shingles	Potentially Recoverable	Includes composite shingles composed of fiberglass or organic felts saturated with asphalt and covered with inert aggregates as well as attached roofing tar and tar paper. Does not include built-up roofing. Commonly known as three tab roofing. Examples include asphalt shingles and attached roofing tar and tar paper.
	51	Other Roofing	Potentially Recoverable	Includes other roofing material made with layers of felt, asphalt, aggregates, and attached roofing tar and tar paper normally used on flat/low pitched roofs usually on commercial buildings. Commonly known as built-up roofing.
	52	Plastic C&D materials	Potentially Recoverable	Includes plastics such as piping, siding, drainage, and windows.
	53	Ceramics/Porcelain	Potentially Recoverable	Includes inorganic non-metallic materials which are formed by the action of heat. Examples include clay pottery, tiles, stoneware, dishes, toilets, and other cement glasses.
	54	Other C&D	Non-recoverable	Includes construction and demolition material that cannot be put in any other type or subtype. This type may include items from different categories combined, which would be very hard to separate, such as metal sinks, fiberglass insulation, linoleum, nails, and cabinets.

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
INORGANICS	55	Televisions	Recoverable	Includes televisions.
	56	Computer Monitors	Recoverable	Includes computer monitors containing a cathode ray tube (CRT), including oscilloscopes. Does not include laptops and LCD monitors.
	57	Computer Equipment/Peripherals	Recoverable	Includes keyboards, printers, modems, etc.
	58	Electronic Equipment	Recoverable	Means large and small electronic goods that have circuitry. Examples include microwaves, stereos, VCRs, DVD players, radios, audio/visual equipment, and non-CRT televisions (such as LCD televisions); computer related electronics such as processors, mice, keyboards, laptops, disk drives, printers, modems, and fax machines; and other small consumer goods such as personal digital assistants (PDAs), cell phones, phone systems, phone answering machines, computer games and other electronic toys, portable CD players, camcorders, and digital cameras.
	59	White Goods - refrigerated	Recoverable	Includes goods made mostly of metal but combined with other materials and items made of both ferrous and non-ferrous metals combined. Examples include large appliances such as refrigerators, freezers, and dehumidifiers.
	60	White Goods - not refrigerated	Recoverable	Includes goods made mostly of metal but combined with other materials and items made of both ferrous and non-ferrous metals combined. Examples include large appliances and parts thereof such as stoves, washers, dryers, and water heaters; as well as small appliances such as fans, irons, and hair dryers.
	61	Lead-acid Batteries	Recoverable	Includes batteries with liquid acid and lead cells, such as car, truck, lawn mower, and other batteries used to store power.
	62	Other Household Batteries	Non-recoverable	Includes any type of dry cell battery, such as flashlight, small appliance, watch, cell phone, and hearing aid batteries.
	63	Tires	Recoverable	Includes whole tires from automobiles, trucks, motorcycles, bicycles, wagons, and other transport vehicles.
	64	Household Bulky Items	Potentially Recoverable	Includes multi-material furniture items such as couches, chairs, hutches, tables, entertainment centers, fragments of furniture items, and mattresses (fabric coated framed or unframed wire coil bulky item used for sleeping).
	65	Fluorescent Lights/Ballasts	Recoverable	Includes a lamp tube that is able to be screwed or plugged in to a lamp or over head light that produces visible light by fluorescence, especially a glass tube whose inner wall is coated with a material that fluoresces when an electrical current causes a vapor within the tube to discharge electrons. Includes fluorescent lights, ballasts, and compact fluorescent bulbs (CFL).

IRA Proposed Material List

		Material Group	Divertibility	Notes/Examples
HHW	66	Latex Paint	Recoverable	Includes wet water-based paints and similar products.
	67	Oil Paint	Non-recoverable	Includes wet and dry solvent-based paints, varnishes, and similar products.
	68	Plant/Organism/Pest Control/Growth	Non-recoverable	Includes a variety of chemicals such as fertilizers to encourage growth; herbicides and pesticides whose purpose is to discourage pests, weeds, or microorganisms; and fungicides and wood preservatives, such as pentachlorophenol.
	69	Used Oil/Filters	Recoverable	Includes used lubricating oils, primarily used in cars but including other types with similar characteristics and oil filters.
	70	Other Automotive Fluids	Non-recoverable	Includes automobile and other antifreeze mixtures based on ethylene or propylene glycol. Also includes brake and other automotive fluids, such as antifreeze, brake fluid, windshield wiper fluid, gasoline, and diesel fuel. Does not include motor oil.
	71	Mercury-Containing Items	Non-recoverable	Includes barometers, thermostat switches, thermometer. Does not include electrical ballasts.
	72	Sharps & Infectious Waste	Non-recoverable	Includes any prescription medications and sharp objects used for medical procedures such as needles.
	73	Ash, Sludge, & Other Industrial Processed Wastes	Non-recoverable	Includes material remaining after the combustion process, present in the waste stream as ash from fireplaces and wood stoves, used charcoal from grills. Also includes sludge and other industrial processed wastewater or treatment wastes.
	74	Sewage Solids	Non-recoverable	Includes residuals from the sewage treatment process.
	75	Other HHW	Non-recoverable	Includes any household hazardous material (HHW) that cannot be put in the other HHW subtypes. This type also includes HHW that is mixed, such as waste which if improperly put in the solid waste stream may present handling problems or other hazards. Additional examples include cleaners and corrosives (various acids and bases whose primary purpose is to clean surfaces, unclog drains, or perform other actions) and solvents (including chlorinated and flammable solvents, paint strippers, solvents contaminated with other products such as paints, degreasers and some other cleaners if the primary ingredient is (or was) a solvent, and alcohols such as methanol and isopropanol).
TEXTILES	76	Carpet	Potentially Recoverable	Includes material consisting mainly of carpet flooring applications consisting of various natural or synthetic fibers bonded to some type of backing material.
	77	Carpet Padding	Potentially Recoverable	Includes plastic, foam, felt, and other materials used under carpet to provide insulation and padding.
	78	Clothing	Potentially Recoverable	Includes items made of thread, yarn, fabric, cloth, clothes, natural and synthetic cloth fibers, and leather clothing goods.
	79	Other Textiles	Non-recoverable	Includes drapes, curtains, bedding, blankets, upholstery, shoes, and other products comprised mostly of textiles and leather.

Appendix E
Health and Safety Plan

Appendix B
MSW Characterization Data

Appendix B
Residential MSW Characterization Data

Appendix B
Residential Waste Composition Sample Data
(Data Shown in Pounds)

Date	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/9/2008	10/9/2008	10/9/2008	10/27/208	10/27/208	10/27/208	10/27/208	10/27/208	11/3/2008	11/3/2008	11/3/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008	11/5/2008
Sample_ID	BRES1	BRES2	BRES5	CRES1	CRES2	CRES4	CRES5	DRES1	DRES3	DRES4	LRES1	LRES3	LRES4	LRES5	LRES6	PRES1	PRES2	PRES4	PRES5	PRES6	PRES9	PRES11	QRES1
County	GRUNDY	GRUNDY	GRUNDY	COOK	COOK	COOK	COOK	WILL	GRUNDY	WILL	MADISON	MADISON	MADISON	MADISON	MADISON	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE
City	MORRIS	MORRIS	MORRIS	HICKORY HILLS	HICKORY HILLS	BRIDGEVIEW	CHICAGO RIDGE	BOUARDWOOD	COAL CITY		EDWARDSVILLE	WOOD RIVER	OKTON	TROY		N. CHICAGO	WAUKEGAN	ANTIOCH	N. CHICAGO	N. CHICAGO	WAUKEGAN	WAUKEGAN	GREYSLAKE
RUC Code	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vehicle Type	RO	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	RO	PACKER		PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	FRONT LOADER	FRONT LOADER	FRONT LOADER	OOSE DROP BO	PACKER
Paper	**0.0**	**79.3**	**26.1**	**73.3**	**48.4**	**72.2**	**58.7**	**18.7**	**128.1**	**17.3**	**28.7**	**60.2**	**14.8**	**33.9**	**79.2**	**44.4**	**37.5**	**34.3**	**35.5**	**26.7**	**30.0**	**37.5**	**45.0**
Newsprint	0.0	3.3	7.1	4.0	2.1	10.2	22.1	1.8	10.3	7.9	0.0	5.5	3.0	3.9	4.7	4.2	5.9	3.3	9.1	1.8	5.9	1.1	11.7
High Grade Office Paper	0.0	1.5	0.0	0.5	0.8	5.3	0.6	0.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.4	0.0	3.8	1.3	0.0
Magazines/Catalogs	0.0	10.4	0.0	9.6	3.4	4.1	2.9	1.1	8.9	0.0	0.0	0.6	0.8	1.2	7.1	0.0	0.0	0.0	2.7	0.0	0.0	4.3	0.0
Uncoated OCC/Kraft	0.0	9.5	0.4	18.5	4.1	10.9	9.1	3.6	59.2	8.2	14.8	18.5	3.2	2.9	31.6	4.8	5.6	14.1	13.4	15.1	12.8	9.4	0.0
Boxboard	0.0	7.2	2.6	5.5	7.1	4.2	4.7	2.5	9.0	0.6	0.1	7.9	3.7	3.8	9.4	4.8	0.7	7.2	0.0	1.8	0.0	0.0	5.0
Mixed Paper - Recyclable	0.0	22.4	3.4	6.0	12.7	15.8	5.9	1.6	16.7	0.4	0.4	17.3	1.0	6.2	16.2	12.7	13.2	7.2	0.6	0.0	2.1	6.7	14.0
Compostable Paper	0.0	21.7	9.1	21.2	16.1	15.2	9.0	3.1	9.9	0.1	7.3	8.4	2.8	14.0	7.4	16.2	10.8	1.4	3.7	7.3	5.4	6.1	11.2
Other Paper	0.0	3.3	3.5	8.0	2.1	6.5	4.4	4.6	7.1	0.1	6.1	2.0	0.3	1.9	2.8	1.6	1.3	1.1	3.6	0.7	0.0	8.6	3.1
Beverage Containers	**0.0**	**1.3**	**0.4**	**1.8**	**0.5**	**0.4**	**0.2**	**0.0**	**0.7**	**0.0**	**2.8**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.1**	**0.1**	**0.2**	**0.0**	**0.0**	**0.0**	**0.0**
Milk and Juice cartons/boxes, coated	0.0	1.3	0.4	1.8	0.5	0.4	0.2	0.0	0.7	0.0	2.8	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0
Plastics	**92.2**	**68.5**	**31.4**	**37.4**	**30.6**	**33.5**	**33.7**	**19.7**	**52.1**	**10.0**	**25.0**	**21.8**	**13.9**	**16.9**	**36.0**	**40.4**	**27.4**	**27.1**	**20.8**	**37.5**	**121.3**	**65.1**	**31.0**
#1 PET Bottles/Jars	0.0	8.2	2.1	3.4	3.4	2.1	4.4	0.0	11.9	0.0	4.6	2.5	2.6	2.0	3.7	6.9	3.5	2.4	2.8	1.7	1.1	1.6	0.0
#1 Other PET Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
#2 HDPE Bottles/Jars - clear	0.0	2.0	2.2	0.0	1.2	0.9	2.0	1.2	1.0	0.0	0.3	1.0	0.9	0.9	1.0	2.4	1.3	0.3	1.5	0.0	0.7	0.9	4.1
#2 HDPE Bottles/Jars - color	0.0	4.7	4.6	4.7	1.5	3.6	5.8	3.2	1.6	0.0	0.0	0.3	0.4	0.3	1.7	1.0	1.4	0.4	0.9	0.0	0.0	0.3	2.0
#2 Other HDPE Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
#6 Expanded Polystyrene Packaging (EPS)	0.0	2.5	3.1	2.6	3.5	1.6	1.2	0.6	3.5	0.0	3.6	1.7	1.3	1.1	3.2	2.3	2.3	1.2	0.6	1.4	0.9	0.9	0.6
#3-#7 Other - all	0.0	7.1	5.4	3.7	7.9	2.8	2.7	0.0	5.7	0.0	3.4	0.9	0.5	2.5	3.4	0.1	5.3	2.0	2.6	0.9	1.4	0.0	5.0
Other Rigid Plastic Products	57.9	22.1	7.7	6.1	1.1	8.0	9.3	7.2	10.1	9.5	0.0	1.0	2.9	2.1	2.2	14.9	5.5	9.2	7.4	1.9	109.3	56.8	3.0
Grocery & Merchandise Bags	0.0	5.5	1.4	5.0	2.2	2.7	2.3	0.0	1.3	0.0	1.4	2.0	0.5	1.1	1.4	3.5	2.3	0.7	1.2	1.7	0.3	1.3	2.1
Trash Bags	0.0	7.1	2.1	5.7	4.3	1.3	1.9	0.8	4.9	0.5	2.1	4.8	2.4	1.4	6.6	4.3	2.0	1.6	1.5	0.8	1.2	1.1	0.0
Commercial & Industrial Film	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.2	0.0	1.0	0.3	5.0	3.8	2.9	0.0	0.0	0.0	0.0	10.1
Other Film	0.0	0.0	2.8	6.2	4.9	2.8	4.1	2.8	5.6	0.0	5.6	3.6	2.1	3.8	5.1	0.0	0.0	0.0	2.3	2.3	1.5	2.2	0.0
Remainder/ Composite Plastic	34.3	2.5	0.0	0.0	0.6	7.7	0.0	3.9	6.5	0.0	2.7	3.8	0.0	0.5	3.4	0.0	0.0	6.4	0.0	26.8	4.9	0.0	0.0
Glass	**0.0**	**12.7**	**7.0**	**10.4**	**13.0**	**7.7**	**10.5**	**5.7**	**1.2**	**1.9**	**1.7**	**9.9**	**5.9**	**8.3**	**4.0**	**9.0**	**10.1**	**4.0**	**1.9**	**37.2**	**8.3**	**2.9**	**12.3**
Recyclable Glass Bottles and Jars	0.0	10.6	7.0	10.4	12.6	7.7	10.5	5.7	1.2	1.9	1.7	9.8	5.9	8.3	1.6	9.0	10.1	4.0	1.9	4.0	4.5	2.9	12.3
Flat Glass	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.2	0.0	0.0	0.0
Other Glass	0.0	2.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
Metals	**91.2**	**39.3**	**32.7**	**16.1**	**16.3**	**11.9**	**11.0**	**6.4**	**4.4**	**36.5**	**18.5**	**7.3**	**2.2**	**9.2**	**5.8**	**10.2**	**13.4**	**10.1**	**20.9**	**3.2**	**5.4**	**21.3**	**9.0**
Aluminum Beverage Containers	0.0	2.4	5.8	3.9	4.3	1.8	2.7	0.0	1.6	0.4	0.2	1.2	0.5	0.3	1.0	1.8	2.6	3.5	0.3	0.3	0.2	0.3	3.8
Other Aluminum	0.0	0.3	0.2	3.5	1.4	1.2	0.4	0.1	0.8	0.0	3.9	0.1	0.4	0.4	0.0	0.0	0.9	4.3	0.2	0.7	1.0	0.2	1.9
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	0.0	1.4	4.4	3.1	7.7	7.2	1.4	0.0	0.8	0.1	13.5	4.3	1.2	4.2	3.2	3.7	5.7	1.6	1.7	0.7	0.4	1.9	3.3
Other Ferrous	82.9	22.3	1.6	3.3	2.3	1.1	2.2	6.3	1.2	0.0	0.9	0.4	0.0	0.5	1.6	4.7	4.2	0.7	18.7	1.5	3.8	0.0	0.0
Other Non-Ferrous	1.6	5.8	20.7	2.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.0
Other Metal	6.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	1.3	0.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Organics	**3.1**	**130.2**	**42.0**	**139.5**	**95.1**	**41.1**	**81.6**	**43.0**	**32.4**	**19.2**	**120.8**	**67.5**	**31.9**	**74.7**	**63.3**	**88.4**	**100.2**	**23.0**	**15.7**	**29.7**	**7.4**	**42.2**	**101.4**
Yard Waste - Compostable	0.0	25.4	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	1.6	0.0	0.2	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	22.0
Yard Waste - Woody	0.0	9.1	0.0	0.0	0.0	0.0	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food Scraps	0.0	33.7	35.2	93.5	73.5	36.8	19.4	41.3	12.3	13.6	120.8	44.4	21.2	33.7	40.4	61.1	72.8	8.1	13.0	16.6	5.0	36.3	47.3
Bottom Fines and Dirt	2.3	3.7	1.9	24.4	1.1	2.3	3.0	0.9	2.4	0.0	0.0	3.5	0.0	1.6	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diapers	0.0	9.5	4.2	8.7	7.7	1.3	3.7	0.1	2.8	1.0	0.0	13.2	9.5	19.0	0.6	9.8	9.8	3.2	1.6	6.8	2.4	5.9	12.1
Other Organic	0.8	48.8	0.7	12.9	12.3	0.7	14.9	0.7	14.9	4.6	0.0	4.8	1.2	20.2	21.0	1.4	17.6	11.7	1.1	6.3	0.0	0.0	20.0
C&D	**63.5**	**53.5**	**0.0**	**103.5**	**2.2**	**20.4**	**19.8**	**36.3**	**0.0**	**118.8**	**15.6**	**14.4**	**85.1**	**53.1**	**0.7**	**1.1**	**17.0**	**47.6**	**24.3**	**96.2**	**2.4**	**50.2**	**22.5**
Clean Dimensional Lumber	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
Clean Engineered Wood	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	50.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	60.7	6.4	0.0	0.0	0.0	0.0	0.0	36.3	0.0	0.0	9.4	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.0	47.1	0.0	6.2	0.0	0.0	1.3	0.0	0.0	18.5	6.2	12.8	0.0	0.0	0.0	1.1	15.8	47.6	24.3	93.3	0.0	37.8	22.5
Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	20.2	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	2.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
Composition Shingles	0.0	0.0	0.0	44.6	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.7	0.0	0.0	14.3	2.0	0.0	0.0	0.0	0.0	99.0	0.0	1.6	0.0	2.6	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	2.1	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	84.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganics	**0.0**	**26.5**	**109.1**	**8.8**	**0.1**	**0.0**	**13.9**	**19.2**	**0.0**	**29.1**	**0.0**	**5.5**	**0.0**	**4.2**	**0.1**	**18.8**	**0.0**	**9.2**	**15.0**	**16.5**	**22.4**	**0.1**	**0.0**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Electronic Equipment	0.0	26.5	0.0	8.7	0.0	0.0	11.4	0.0	0.0	29.1	0.0	5.5	0.0	3.2	0.0	0.8	0.0	9.2	15.0	16.5	0.0	0.0	0.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.0	0.0	0.2	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	108.9	0.0	0.0	0.0	2.3	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.0**	**10.5**	**0.0**	**3.1**	**0.1**	**0.0**	**0.1**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**	**0.0**	**0.0**	**6.9**	**0.0**	**0.0**	**0.0**	**0.0**
Latex Paint	0.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.7	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Textiles	**53.0**	**3.4**	**4.7**	**40.8**	**14.8**	**31.7**	**6.0**	**131.2**	**5.7**	**84.1**	**0.0**	**30.3**	**71.3**	**24.6**	**14.3**	**19.6**	**4.7**	**49.0**	**130.5**	**9.5**	**41.4**	**76.4**	**5.8**
Carpet	19.4	0.0	0.0	0.0	7.6	1.5	0.0	91.4	0.0	45.9	0.0	2.4	67.4	0.0	3.2	4.3	0.0	4.3	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.6	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	22.3	1.0	3.6	37.6	4.1	27.7	0.2	17.1	4.4	14.0	0.0	17.4	0.0	0.4	5.2	6.5	3.2	1.0	10.9	9.5	14.7	4.9	5.8
Other Textiles	11.3	2.4	1.1	3.2	3.1	1.9	5.8	18.1	1.3	24.2	0.0	10.5	3.9	24.2	5.9	8.8	1.5	43.7	119.6		26.7	71.5	
Total Weight	**303.0**	**425.2**	**253.4**	**434.7**	**221.1**	**218.9**	**235.5**	**280.7**	**224.6**	**316.9**	**213.1**	**216.9**	**225.1**	**225.0**	**203.6**	**231.9**	**210.4**	**204.4**	**271.7**	**256.5**	**238.6**	**295.7**	**227.0**

Appendix B
Residential Waste Composition Sample Data
(Data Shown in Pounds)

Date	11/5/2008	11/5/2008	11/5/2008	11/5/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	11/6/2008	10/14/2008	10/20/2008	10/20/2008	10/20/2008	10/22/2008	10/22/2008	10/22/2008	10/23/2008	10/23/2008	10/23/2008	10/2/2008
Sample_ID	QRES3	QRES4	QRES5	QRES6	ERES3	ERES4	ERES5	ERES6	FRES3	FRES4	FRES6	RRES3	ERES2	HRES1	HRES1	HRES5	JRES1	JRES2	JRES3	KRES1	KRES2	KRES3	ARES1
County	LAKE	LAKE	LAKE	LAKE	WOODFORD	WOODFORD	WOODFORD	WOODFORD	PEORIA	PEORIA	PEORIA	WINNEBAGO	FORD	SANGAMON	SANGAMON	SANGAMON	MACON	MACON	MACON	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	LASALLE
City		GREYSLAKE	GREYSLAKE	GREYSLAKE	EL PASO	PONTIAC	FAIRBURG	EL PASO	PEORIA	PEORIA	PEORIA	ROCKFORD	PIPER CITY	SPRINGFIELD	SPRINGFIELD	SPRINGFIELD		MT. ZION	DECATUR	CHAMPAIGN	MOHAMET	CHAMPAIGN, ST. JOSEPH,	OTTTOWA
RUC Code	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4
Vehicle Type		PACKER	PACKER	RO	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	RO	PACKER	SELF HAUL	REAR LOADER	REAR LOADER	PACKER	PACKER	PACKER	PACKER	PACKER	SIDE LOADER	ROLL-OFF
Paper	**25.2**	**14.5**	**126.3**	**35.9**	**79.3**	**91.0**	**89.2**	**75.3**	**50.7**	**53.8**	**67.9**	**0.0**	**62.3**	**26.0**	**90.3**	**104.0**	**68.8**	**68.4**	**61.3**	**78.5**	**79.4**	**59.1**	**82.0**
Newsprint	0.0	0.8	9.6	11.8	18.3	9.1	34.0	25.0	20.8	11.2	12.2	0.0	10.7	1.1	24.2	17.6	10.9	12.2	7.6	19.3	17.1	18.1	4.0
High Grade Office Paper	0.0	0.7	2.1	0.0	0.1	0.9	0.4	0.7	0.0	0.1	0.2	0.0	1.7	0.0	0.7	0.9	0.0	0.0	0.3	0.1	0.0	0.0	0.8
Magazines/Catalogs	1.1	1.8	58.1	8.3	3.4	2.8	6.4	1.5	0.0	6.5	2.8	0.0	9.4	2.2	2.3	34.4	4.2	5.6	4.3	4.7	4.6	1.2	1.8
Uncoated OCC/Kraft	0.4	0.0	14.9	8.7	32.4	57.5	17.4	13.8	4.4	23.5	17.3	0.0	7.6	10.3	12.8	4.6	22.1	14.3	22.4	11.1	10.4	4.0	32.5
Boxboard	0.0	0.0	9.7	0.0	2.0	2.9	9.6	5.4	8.1	2.0	9.7	0.0	5.6	0.4	11.4	9.6	9.3	11.1	6.6	7.9	10.9	10.2	18.3
Mixed Paper - Recyclable	5.4	0.6	8.3	0.0	12.5	5.9	14.7	11.7	10.1	4.2	11.7	0.0	12.1	11.8	13.5	3.6	10.1	4.5	13.1	12.3	12.6	14.6	9.5
Compostable Paper	11.7	9.2	18.1	7.1	9.4	10.5	6.7	16.0	5.8	4.9	11.8	0.0	15.2	0.1	19.3	28.9	8.4	15.8	5.1	19.7	19.5	8.8	13.7
Other Paper	6.6	1.4	5.5	0.0	1.2	1.4	0.0	1.2	1.5	1.4	2.2	0.0	0.0	0.1	6.1	4.4	3.8	4.9	1.9	3.4	4.3	2.2	1.4
Beverage Containers	**0.0**	**0.0**	**0.5**	**0.0**	**1.2**	**0.5**	**0.6**	**0.2**	**0.0**	**0.0**	**0.4**	**0.0**	**0.0**	**0.0**	**0.8**	**1.1**	**0.0**	**0.1**	**0.0**	**0.6**	**1.2**	**0.2**	**0.7**
Milk and Juice cartons/boxes, coated	0.0	0.0	0.5	0.0	1.2	0.5	0.6	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.8	1.1	0.0	0.1	0.0	0.6	1.2	0.2	0.7
Plastics	**38.3**	**25.5**	**61.0**	**42.3**	**30.2**	**67.9**	**17.5**	**25.6**	**31.1**	**37.0**	**51.6**	**4.4**	**26.5**	**17.3**	**31.1**	**29.6**	**28.8**	**23.9**	**11.4**	**20.5**	**27.0**	**37.8**	**55.8**
#1 PET Bottles/Jars	2.0	3.0	3.8	12.9	0.9	3.0	2.2	2.7	5.0	3.2	5.7	0.0	3.8	0.2	3.1	3.5	4.0	5.0	1.9	2.6	3.7	1.8	13.5
#1 Other PET Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.4	0.0	0.7	0.0	0.2	0.0
#2 HDPE Bottles/Jars - clear	1.2	0.3	1.7	2.1	0.4	0.2	1.6	1.0	1.8	0.6	1.8	0.0	1.7	1.1	1.8	1.5	2.5	0.7	0.2	1.0	1.6	1.5	3.1
#2 HDPE Bottles/Jars - color	0.9	0.7	0.0	3.1	0.0	1.7	1.1	1.6	1.6	0.0	3.0	0.0	1.3	5.1	2.1	1.9	0.3	0.1	0.6	0.7	1.2	1.4	5.3
#2 Other HDPE Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
#6 Expanded Polystyrene Packaging (EPS)	1.3	0.3	0.9	0.0	0.4	2.3	4.1	1.8	5.1	0.4	4.4	0.0	1.3	0.0	2.7	2.3	0.8	3.1	1.2	1.0	1.3	1.4	1.7
#3-#7 Other - all	2.3	1.6	4.4	0.3	4.7	0.0	0.0	0.9	2.1	0.6	2.8	0.0	1.5	1.0	4.8	1.8	1.4	2.0	1.5	2.4	6.4	3.0	6.4
Other Rigid Plastic Products	8.0	16.9	40.7	23.9	9.6	53.0	2.0	4.1	2.9	7.3	10.9	0.0	6.8	3.8	3.1	4.2	7.3	0.9	1.1	1.8	2.3	0.0	9.9
Grocery & Merchandise Bags	1.2	0.3	1.8	0.0	4.7	0.5	1.2	1.0	2.7	0.7	2.4	0.0	0.9	0.1	1.6	2.7	2.0	2.2	0.9	1.4	1.7	2.9	2.9
Trash Bags	1.0	1.1	4.0	0.0	3.2	0.3	1.9	2.4	1.5	0.8	4.0	0.0	1.7	0.6	4.0	4.0	2.5	1.8	2.0	2.4	2.6	2.5	7.9
Commercial & Industrial Film	4.1	1.3	3.7	0.0	0.0	5.0	0.0	0.0	0.0	2.4	0.0	0.0	1.9	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Film	0.0	0.0	0.0	0.0	4.4	1.9	3.4	7.7	8.4	2.7	4.3	0.0	5.6	0.3	5.8	4.5	3.2	4.7	1.6	4.9	5.0	5.0	4.8
Remainder/ Composite Plastic	16.3	0.0	0.0	0.0	1.9	0.0	0.0	2.4	0.0	18.3	12.3	4.4	0.0	0.0	1.6	1.1	4.5	3.0	0.4	1.6	1.2	18.1	0.3
Glass	**0.0**	**6.1**	**0.0**	**0.0**	**0.1**	**2.1**	**5.5**	**13.6**	**7.2**	**5.2**	**15.8**	**4.1**	**8.1**	**7.0**	**12.4**	**7.3**	**5.6**	**10.2**	**2.1**	**4.9**	**10.7**	**9.6**	**12.9**
Recyclable Glass Bottles and Jars	0.0	6.1	0.0	0.0	0.0	2.1	5.5	13.6	7.2	5.1	15.8	0.0	8.1	0.3	11.2	6.7	5.1	10.2	2.1	4.4	9.2	9.6	12.9
Flat Glass	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	4.1	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	0.5	0.0	0.0	0.5	0.3	0.0	0.0
Metals	**12.9**	**5.4**	**13.8**	**14.8**	**5.7**	**4.6**	**25.9**	**25.8**	**7.8**	**12.2**	**7.0**	**0.0**	**13.3**	**0.8**	**7.2**	**8.6**	**5.6**	**30.3**	**4.2**	**8.0**	**5.9**	**7.5**	**22.6**
Aluminum Beverage Containers	1.2	0.4	2.3	0.0	0.4	0.0	1.8	0.8	1.1	0.9	1.4	0.0	1.8	0.0	1.4	1.0	1.5	1.4	0.4	3.0	1.2	2.3	1.8
Other Aluminum	0.7	4.5	2.0	0.0	0.1	0.0	6.1	18.1	0.3	0.0	1.0	0.0	0.3	0.1	1.1	0.5	0.1	24.9	0.1	1.1	1.4	0.4	0.9
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	1.0	0.5	6.4	5.1	3.1	4.5	0.0	3.8	3.7	2.3	4.6	0.0	3.4	0.1	1.5	3.3	3.3	2.8	2.4	2.3	3.0	4.4	4.6
Other Ferrous	10.0	0.0	2.1	9.7	1.8	0.1	3.2	3.1		9.0	0.0	0.0	0.0	0.0	0.7	3.8	0.7	0.6	1.3	0.7	0.3	0.0	13.6
Other Non-Ferrous	0.0	0.0	1.0	0.0	0.3	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7
Other Metal	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.6	0.0	0.9	0.0	0.0	0.0
Organics	**47.5**	**76.0**	**38.3**	**46.0**	**123.1**	**26.5**	**64.2**	**64.9**	**69.3**	**14.0**	**86.7**	**0.0**	**59.3**	**25.1**	**97.5**	**63.0**	**66.2**	**62.1**	**43.1**	**46.9**	**84.5**	**58.5**	**71.4**
Yard Waste - Compostable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	14.4	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	8.1
Yard Waste - Woody	0.0	59.2	0.7	0.0	0.7	13.8	4.7	8.5	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.8	0.0	5.3
Food Scraps	36.4	4.6	14.2	41.3	19.7	12.3	50.9	55.7	27.8	11.6	27.9	0.0	44.0	0.0	49.5	39.3	33.3	46.2	37.2	23.3	57.4	33.9	25.2
Bottom Fines and Dirt	2.2	0.0	0.0	0.0	0.4	0.3	0.4	0.0	1.0	0.0	1.2	0.0	1.2	0.0	2.6	2.8	0.0	2.5	0.0	1.8	1.8	2.2	4.1
Diapers	8.9	10.0	15.8	4.7	97.9	0.0	5.7	0.6	1.6	0.1	18.0	0.0	0.3	0.0	11.8	9.5	24.1	10.7	2.3	6.8	8.0	9.6	27.8
Other Organic	0.0	2.2	7.6	0.0	4.4	0.1	2.5	0.0	38.9	2.3	13.3	0.0	13.8	25.1	18.7	11.2	8.8	2.7	3.6	14.9	16.5	12.4	0.9
C&D	**68.3**	**0.0**	**7.3**	**40.1**	**33.1**	**37.2**	**6.5**	**26.0**	**7.9**	**17.5**	**0.0**	**411.3**	**51.6**	**130.6**	**2.8**	**0.5**	**4.0**	**5.4**	**36.0**	**19.8**	**1.0**	**22.9**	**0.0**
Clean Dimensional Lumber	0.0	0.0	0.0	0.0	0.0	4.0	1.1	0.0	2.3	1.7	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0
Clean Engineered Wood	0.0	0.0	0.0	0.0	0.0	0.1	0.0	14.2	0.0	0.0	0.0	32.6	0.0	0.0	2.2	0.0	0.0	5.4	0.0	0.0	0.0	19.6	0.0
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	15.8	0.0	0.0	5.9	37.1	0.0	0.0	3.0	0.0	19.0	1.1	0.5	3.3	0.0
Treated Wood	46.4	0.0	7.3	20.3	33.1	33.1	0.0	0.0	3.8	0.0	0.0	126.3	11.6	0.0	0.0	0.0	0.0	0.0	14.5	16.9	0.0	0.0	0.0
Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	21.2	0.7	53.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Composition Shingles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	216.3	7.7	0.0	0.6	0.5	1.0	0.0	0.0	1.8	0.0	0.0	0.0
Other C&D	0.0	0.0	0.0	19.8	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganics	**0.0**	**0.7**	**1.2**	**9.2**	**0.0**	**0.2**	**1.7**	**16.1**	**0.6**	**40.9**	**0.1**	**82.1**	**3.1**	**0.0**	**1.3**	**1.4**	**5.9**	**0.2**	**21.0**	**1.5**	**1.0**	**0.4**	**0.2**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	0.7	0.0	9.2	0.0	0.0	1.4	16.1	0.5	0.0	0.0	0.0	3.0	0.0	0.9	0.9	4.6	0.0	0.0	1.5	0.5	0.0	0.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.4	0.5	0.1	0.2	0.1	0.0	0.5	0.4	0.1
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9	0.0	82.1	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	0.0	0.1
HHW	**0.0**	**5.4**	**0.4**	**0.0**	**0.3**	**2.5**	**0.1**	**0.0**	**0.0**	**0.0**	**5.6**	**1.2**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**3.3**	**0.0**	**0.0**	**0.0**	**0.0**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	5.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0
Textiles	**27.7**	**107.6**	**3.9**	**32.2**	**4.5**	**0.1**	**14.5**	**1.4**	**14.1**	**32.4**	**20.6**	**143.6**	**13.4**	**56.5**	**7.1**	**4.0**	**14.0**	**18.9**	**25.2**	**18.7**	**0.6**	**3.3**	**6.7**
Carpet	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.0	4.7	8.2	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	15.8	37.1	3.9	14.3	3.8	0.1	10.4	1.4	4.8	5.7	14.1	0.0	8.7	41.3	4.8	1.1	0.5	11.1	0.0	2.6	0.0	3.1	2.5
Other Textiles	11.9	70.5	0.0	7.4	0.7	0.0	4.1	0.0	9.3	6.3	6.5	0.0	0.0	7.0	2.3	2.9	13.5	7.8	2.5	16.1	0.6	0.2	4.2
Total Weight	**219.9**	**241.2**	**252.7**	**220.5**	**277.5**	**232.6**	**225.7**	**248.9**	**188.7**	**213.0**	**255.7**	**646.7**	**237.6**	**263.3**	**250.5**	**219.5**	**198.9**	**219.6**	**207.6**	**199.4**	**211.3**	**199.3**	**252.3**

Appendix B
Residential Waste Composition Sample Data
(Data Shown in Pounds)

Date	10/2/2008	10/2/2008	10/2/2008	10/9/2008	10/9/2008	10/14/2008	10/16/2008	10/16/2008	10/16/2008	11/14/2008	10/21/2008	10/21/2008	10/21/2008	10/28/2008	10/28/2008	10/28/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	10/21/2008	10/29/2008
Sample_ID	ARES2	ARES4	ARES5	DRES2	DRES5	ERES1	GRES1	GRES2	GRES3	SRES7	IRES1	IRES2	IRES3	MRES1	MRES2	MRES4	SRES1	SRES2	SRES3	SRES5	SRES6	IRES4	NRES5
County	LASALLE	LASALLE	LASALLE	LIVINGSTON	LIVINGSTON	LASALLE	KNOX	KNOX	KNOX	MORGAN	COLES	COLES	COLES	JACKSON	JACKSON	JACKSON	ADAMS	ADAMS	ADAMS	ADAMS	ADAMS	MOULTRY	WHITE
City	STREATER	OTTTOWA	LELAND	WILLMINGTON	WILMINGTON	STREATER	GALESBURG	GALESBURG	GALESBURG	MEREDOSIA	CHARLESTON	CHARLESTON			CARBONDALE		QUINCY		QUINCY	CLAYTON, CAMP POINT,	MENDON		CROSSVILLE
RUC Code	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6
Vehicle Type	FRONTEND	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	RO	PACKER	PACKER	PACKER		PACKER	PACKER	PACKER	PACKER	DUMP TRUCK
Paper	**67.3**	**78.2**	**54.5**	**55.3**	**99.1**	**33.2**	**71.0**	**40.2**	**74.9**	**60.2**	**87.3**	**62.5**	**88.1**	**0.0**	**78.4**	**33.5**	**84.7**	**123.3**	**28.3**	**78.6**	**100.4**	**73.9**	**44.1**
Newsprint	16.6	18.7	10.5	1.9	20.5	15.0	14.4	4.5	14.8	6.3	19.0	13.4	7.5	0.0	9.0	5.8	21.5	6.3	2.5	6.2	22.9	5.6	9.4
High Grade Office Paper	0.6	1.2	0.8	0.2	0.2	0.0	5.7	0.1	0.0	0.0	0.6	0.1	9.4	0.0	0.2	0.2	0.6	22.9	0.0	0.8	19.9	0.0	0.0
Magazines/Catalogs	3.8	5.6	3.1	1.3	2.2	0.6	4.8	1.5	4.7	0.0	22.4	14.4	1.8	0.0	13.3	0.5	2.3	0.0	2.1	3.8	5.6	11.2	2.0
Uncoated OCC/Kraft	16.3	19.7	9.7	31.7	30.4	3.0	4.0	0.6	30.6	20.2	2.8	4.9	43.1	0.0	13.4	3.4	16.8	4.9	6.6	25.6	7.6	6.1	4.2
Boxboard	3.4	9.2	6.8	1.6	13.1	2.5	7.2	3.2	4.3	8.5	12.1	10.2	11.2	0.0	13.1	5.0	10.6	1.9	0.5	16.6	11.4	5.7	12.3
Mixed Paper - Recyclable	14.0	13.8	12.4	12.1	16.0	7.3	16.0	19.5	5.2	0.8	13.3	10.1	5.6	0.0	17.7	8.9	12.0	27.7	12.7	5.8	12.7	27.8	6.7
Compostable Paper	11.9	5.9	9.6	6.1	14.5	3.6	14.5	9.7	14.3	21.5	13.1	7.6	8.4	0.0	9.1	6.0	14.8	19.2	0.0	10.6	18.9	4.4	8.1
Other Paper	0.7	4.1	1.6	0.4	2.2	1.2	4.4	1.1	1.0	2.9	4.0	1.8	1.1	0.0	2.6	3.7	6.1	40.4	3.9	9.2	1.4	13.1	1.4
Beverage Containers	**0.2**	**0.8**	**0.5**	**0.0**	**0.1**	**0.1**	**0.2**	**0.5**	**0.0**	**0.2**	**1.1**	**0.2**	**0.5**	**0.0**	**0.0**	**0.4**	**0.2**	**0.7**	**0.2**	**0.0**	**0.1**	**0.1**	**0.6**
Milk and Juice cartons/boxes, coated	0.2	0.8	0.5	0.0	0.1	0.1	0.2	0.5	0.0	0.2	1.1	0.2	0.5	0.0	0.0	0.4	0.2	0.7	0.2	0.0	0.1	0.1	0.6
Plastics	**35.7**	**58.3**	**74.0**	**46.4**	**33.4**	**39.3**	**33.4**	**19.7**	**35.7**	**39.2**	**25.3**	**27.3**	**50.0**	**6.6**	**29.3**	**41.3**	**41.7**	**181.4**	**18.4**	**43.1**	**65.4**	**26.1**	**32.8**
#1 PET Bottles/Jars	4.8	6.2	4.9	1.5	4.5	2.7	2.8	2.6	1.6	8.5	3.8	2.9	2.9	0.0	3.5	2.3	5.7	2.7	1.1	6.8	0.9	1.4	5.7
#1 Other PET Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.5	0.0	4.0	0.0	0.4
#2 HDPE Bottles/Jars - clear	6.2	1.8	2.1	0.5	0.6	1.8	1.1	1.1	1.0	2.3	1.8	0.6	0.0	0.0	0.8	0.9	2.4	0.3	0.2	2.4	5.8	0.4	1.8
#2 HDPE Bottles/Jars - color	2.8	4.5	1.9	1.1	2.8	0.2	2.7	0.7	1.8	1.5	2.3	0.9	2.5	0.0	1.0	1.6	4.0	1.1	1.0	3.0	1.9	1.4	1.3
#2 Other HDPE Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	0.0
#6 Expanded Polystyrene Packaging (EPS)	0.7	2.3	1.5	1.8	1.6	1.7	2.4	0.8	3.0	1.9	1.3	3.0	0.6	0.0	2.2	0.9	1.9	1.7	1.0	2.4	3.1	1.9	1.6
#3-#7 Other - all	2.1	5.4	7.1	3.7	3.0	1.2	3.1	3.0	6.5	9.0	2.8	1.6	6.7	0.0	3.5	2.3	1.6	1.2	7.3	4.3	2.7	3.3	1.5
Other Rigid Plastic Products	8.7	10.6	38.8	17.3	3.0	6.9	6.1	1.2	11.2	0.0	1.2	0.0	22.2	6.6	7.5	17.0	9.0	2.3	0.0	0.0	20.2	0.1	0.0
Grocery & Merchandise Bags	1.2	1.7	1.1	1.0	2.0	1.0	3.1	1.6	1.4	3.6	1.8	1.4	1.6	0.0	2.0	1.5	0.0	4.1	0.3	0.9	1.0	2.6	3.5
Trash Bags	2.7	5.2	3.0	3.7	2.8	1.5	3.4	2.2	3.0	6.1	2.7	1.7	4.7	0.0	3.6	2.4	3.2	4.6	0.6	7.2	2.5	2.4	10.2
Commercial & Industrial Film	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.1	0.0	0.0	5.6	2.7	14.8	0.0	0.0	0.0	0.0	1.1
Other Film	2.3	9.2	12.2	11.2	6.0	1.2	8.7	6.2	6.2	6.3	4.7	3.7	2.5	0.0	4.7	4.3	11.2	0.0	2.3	11.8	9.8	4.8	3.7
Remainder/ Composite Plastic	4.2	11.4	1.4	4.6	7.1	21.1	0.0	0.3	0.0	0.0	2.8	7.9	0.3	0.0	0.5	2.1	0.0	148.6	4.1	4.3	13.3	6.7	2.0
Glass	**13.0**	**5.9**	**20.2**	**5.6**	**12.7**	**10.6**	**5.8**	**1.6**	**21.8**	**44.0**	**11.6**	**9.5**	**14.0**	**0.0**	**6.9**	**9.0**	**10.2**	**1.5**	**0.0**	**18.1**	**6.3**	**10.9**	**4.4**
Recyclable Glass Bottles and Jars	13.0	5.9	20.2	5.6	12.6	10.6	5.8	1.6	21.7	44.0	11.2	9.5	12.6	0.0	6.0	9.0	10.2	1.5	0.0	18.1	6.3	10.9	4.4
Flat Glass	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metals	**7.3**	**15.4**	**13.4**	**23.1**	**6.0**	**17.7**	**6.9**	**6.8**	**6.0**	**10.3**	**17.5**	**10.1**	**12.0**	**169.8**	**12.1**	**11.6**	**18.4**	**4.0**	**14.1**	**21.6**	**6.9**	**21.1**	**7.1**
Aluminum Beverage Containers	1.4	1.5	1.4	1.4	1.8	0.2	0.0	2.1	2.1	3.6	0.5	0.6	1.7	0.0	0.6	1.0	0.8	0.3	0.4	4.5	0.1	0.3	0.4
Other Aluminum	0.3	0.2	0.4	0.2	0.1	0.0	0.1	0.1	0.9	1.3	0.4	0.3	0.4	3.0	0.4	0.3	1.1	0.2	1.0	0.3	0.2	0.2	0.1
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	2.3	4.1	6.4	2.2	2.6	1.2	4.2	4.0	1.5	5.4	8.7	5.2	1.3	0.0	4.8	3.4	9.6	3.5	2.9	16.4	4.4	5.1	5.6
Other Ferrous	2.2	4.7	4.0	18.3	1.5	16.2	2.6	0.0	1.5	0.0	6.5	0.0	8.3	142.3	6.0	6.7	6.9	0.0	2.3	0.4	2.2	8.5	0.0
Other Non-Ferrous	1.1	1.2	1.2	1.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Metal	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.0	0.3	24.5	0.0	0.2	0.0	0.0	7.5	0.0	0.0	7.0	1.0
Organics	**53.3**	**31.5**	**48.5**	**30.7**	**60.1**	**49.2**	**141.9**	**82.1**	**47.9**	**60.6**	**117.4**	**62.2**	**40.2**	**13.4**	**66.2**	**63.3**	**69.1**	**64.2**	**6.7**	**129.5**	**41.3**	**50.9**	**82.1**
Yard Waste - Compostable	0.0	1.8	1.4	0.0	0.0	8.5	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.8	8.8	0.0	0.0	0.0	0.0	0.5
Yard Waste - Woody	0.0	0.0	0.0	5.3	0.0	0.0	3.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Food Scraps	24.7	21.6	20.9	16.7	53.5	34.8	44.4	41.9	23.7	53.2	83.4	45.2	33.2	0.0	24.5	41.2	35.2	43.5	1.2	75.8	27.2	25.6	27.3
Bottom Fines and Dirt	3.7	2.7	3.5	1.4	0.6	1.1	0.0	1.2	0.0	6.1	0.0	0.7	1.9	0.0	1.6	0.0	5.1	2.3	4.5	37.4	9.2	1.6	4.0
Diapers	24.2	4.6	21.7	5.1	3.6	2.5	11.9	7.0	5.8	1.1	13.7	8.0	3.2	0.0	5.1	19.3	22.4	1.0	0.2	13.3	4.0	0.0	40.6
Other Organic	0.7	0.8	1.0	2.2	2.4	2.3	82.5	22.1	18.4	0.2	20.3	6.3	1.9	13.4	34.7	2.8	5.6	8.6	0.8	3.0	0.9	23.2	9.7
C&D	**12.8**	**0.5**	**1.6**	**51.9**	**8.1**	**5.8**	**1.4**	**26.4**	**44.9**	**15.4**	**0.0**	**1.1**	**1.8**	**22.1**	**5.2**	**11.9**	**43.6**	**47.4**	**220.7**	**2.7**	**0.0**	**2.5**	**0.2**
Clean Dimensional Lumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	16.8	5.0	0.0	0.0	1.8	0.0	4.8	0.0	0.0	27.5	24.5	0.0	0.0	0.0	0.0
Clean Engineered Wood	0.0	0.5	0.0	51.9	0.0	0.0	0.0	7.9	0.0	8.9	0.0	0.0	0.0	0.0	0.0	1.5	0.8	17.9	0.8	0.0	0.0	0.0	0.0
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	3.8	0.0	0.0	0.0	5.5	5.8	1.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.9	0.0	2.5	0.0
Treated Wood	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	22.1	0.0	9.4	1.4	0.0	0.0	1.8	0.0	0.0	0.2
Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	1.5	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	185.5	0.0	0.0	0.0	0.0
Composition Shingles	0.0	0.0	0.0	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
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	9.0	0.0	1.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	36.2	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganics	**0.2**	**1.0**	**11.6**	**0.0**	**25.4**	**26.4**	**0.5**	**0.0**	**6.7**	**3.5**	**1.8**	**0.3**	**14.3**	**46.7**	**8.9**	**2.5**	**0.6**	**0.0**	**0.0**	**0.0**	**0.8**	**0.1**	**37.0**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	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	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	0.0	11.3	0.0	25.3	26.3	0.0	0.0	6.5	0.0	0.5	0.0	0.0	19.7	8.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.1	1.0	0.2	0.0	0.1	0.1	0.0	0.0	0.2	3.5	1.3	0.3	0.0	0.0	0.2	0.4	0.4	0.0	0.0	0.0	0.8	0.1	1.4
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4
Fluorescent Lights/Ballasts	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.0**	**0.0**	**9.6**	**0.0**	**0.0**	**0.0**	**0.8**	**0.7**	**0.0**	**0.0**	**0.0**	**1.3**	**0.0**	**0.0**	**0.0**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Latex Paint	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Textiles	**22.2**	**16.3**	**26.6**	**24.0**	**4.1**	**11.7**	**23.3**	**78.3**	**6.2**	**0.7**	**6.3**	**2.0**	**8.5**	**12.7**	**5.8**	**27.9**	**23.8**	**2.0**	**33.5**	**3.6**	**1.0**	**8.8**	**10.6**
Carpet	14.4	0.0	0.0	0.0	0.0	7.3	12.7	59.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	1.2	0.0	0.2	2.4	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0	6.5	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	3.6	10.5	11.4	10.5	1.4	4.4	2.3	10.4	4.1	0.5	2.6	1.5	5.5	0.0	3.6	2.4	21.4	2.0	13.4	1.5	0.8	1.3	5.4
Other Textiles	4.2	5.8	15.2	13.5	2.7	0.0	1.8	0.3	2.1	0.2	3.7	0.5	3.0	12.7	2.2	3.0	2.4	0.0	18.9	2.1	0.0	5.1	5.2
Total Weight	**212.0**	**207.9**	**260.5**	**237.0**	**249.0**	**194.0**	**285.2**	**256.3**	**244.1**	**234.1**	**268.3**	**176.5**	**229.4**	**271.3**	**212.8**	**201.9**	**292.3**	**424.5**	**321.9**	**297.2**	**222.2**	**194.4**	**218.9**

Appendix B
Residential Waste Composition Sample Data
(Data Shown in Pounds)

Date	10/30/2008	10/30/2008	10/29/2008	10/29/2008	10/29/2008	11/14/2008	10/2/2008
Sample_ID	ORES1	ORES2	NRES1	NRES2	NRES3	SRES4	ARES6
County	FAYETTE	FAYETTE	WAYNE	WAYNE	WAYNE	PIKE	PUTNAM
City	VANDALIA	VANDALIA	FAIRFIELD		FAIRFIELD	PITTSFIELD	STANDARD
RUC Code	6	6	7	7	7	7	8
Vehicle Type	PACKER	PACKER	PACKER	PICK-UP	PICK-UP/ TRAILER	PACKER	PACKER
Paper	**81.8**	**33.5**	**89.3**	**55.6**	**46.3**	**42.6**	**84.8**
Newsprint	9.4	0.9	5.6	12.3	5.1	5.4	27.8
High Grade Office Paper	0.0	0.0	1.3	0.1	0.9	0.0	0.4
Magazines/Catalogs	2.0	0.3	11.0	6.2	1.6	1.2	11.6
Uncoated OCC/Kraft	54.7	3.8	39.3	5.6	4.5	19.2	14.3
Boxboard	2.8	6.1	8.3	7.3	2.0	2.1	7.7
Mixed Paper - Recyclable	6.7	10.2	11.3	11.2	19.6	2.6	6.9
Compostable Paper	4.6	8.7	11.4	11.1	11.0	9.4	13.4
Other Paper	1.6	3.5	1.1	1.8	1.6	2.7	2.7
Beverage Containers	**3.2**	**0.8**	**0.2**	**0.1**	**0.1**	**0.0**	**0.6**
Milk and Juice cartons/boxes, coated	3.2	0.8	0.2	0.1	0.1	0.0	0.6
Plastics	**23.9**	**42.6**	**32.4**	**30.3**	**39.1**	**61.1**	**61.9**
#1 PET Bottles/Jars	1.7	5.9	1.9	3.5	1.7	3.5	5.1
#1 Other PET Containers & Packaging	0.3	0.4	0.7	0.1	0.2	0.5	0.0
#2 HDPE Bottles/Jars - clear	3.8	1.4	0.8	1.3	0.3	0.4	2.8
#2 HDPE Bottles/Jars - color	0.0	1.3	1.1	1.1	0.4	0.6	3.4
#2 Other HDPE Containers & Packaging	0.0	0.8	0.0	0.0	0.6	0.4	0.0
#6 Expanded Polystyrene Packaging (EPS)	3.2	2.4	2.6	5.8	2.8	0.6	1.4
#3-#7 Other - all	2.9	2.3	2.0	1.3	2.2	1.9	4.8
Other Rigid Plastic Products	3.2	5.6	5.0	6.4	10.7	3.4	16.1
Grocery & Merchandise Bags	0.7	3.9	3.0	1.9	0.9	5.1	2.6
Trash Bags	4.4	7.6	3.3	3.9	5.4	0.0	7.4
Commercial & Industrial Film	0.0	0.0	0.0	0.0	2.9	0.8	0.0
Other Film	3.1	6.5	12.0	4.7	2.3	3.0	15.2
Remainder/ Composite Plastic	0.6	4.5	0.0	0.3	8.7	40.9	3.1
Glass	**2.5**	**1.6**	**3.0**	**17.0**	**7.4**	**5.8**	**16.2**
Recyclable Glass Bottles and Jars	1.2	1.5	3.0	16.9	5.9	5.8	16.2
Flat Glass	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Other Glass	1.3	0.0	0.0	0.1	1.5	0.0	0.0
Metals	**5.6**	**9.6**	**11.2**	**18.6**	**3.2**	**38.1**	**16.2**
Aluminum Beverage Containers	0.6	1.8	0.7	1.0	0.3	0.8	3.8
Other Aluminum	0.3	0.4	0.1	1.4	1.8	5.4	0.7
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	3.1	3.6	6.9	9.7	1.1	4.1	7.3
Other Ferrous	0.5	3.8	0.0	6.5	0.0	10.5	3.7
Other Non-Ferrous	0.1	0.0	0.0	0.0	0.0	0.0	0.7
Other Metal	1.0	0.0	3.5	0.0	0.0	17.3	0.0
Organics	**77.7**	**76.6**	**32.8**	**85.0**	**38.1**	**56.3**	**41.7**
Yard Waste - Compostable	0.6	0.0	0.0	0.0	8.3	0.0	0.0
Yard Waste - Woody	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Food Scraps	59.2	51.6	20.7	57.7	6.5	36.0	24.6
Bottom Fines and Dirt	0.0	0.0	0.0	3.1	0.0	7.7	3.0
Diapers	4.0	17.2	7.9	18.9	0.7	1.9	12.9
Other Organic	13.9	7.8	4.2	5.3	22.6	9.6	1.2
C&D	**0.6**	**2.3**	**31.9**	**0.0**	**55.5**	**58.4**	**15.2**
Clean Dimensional Lumber	0.0	0.0	0.0	0.0	0.0	5.0	0.0
Clean Engineered Wood	0.0	0.0	0.0	0.0	0.0	12.3	0.0
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	0.2	2.3	5.6	0.0	24.7	30.7	7.4
Treated Wood	0.0	0.0	0.0	0.0	30.0	0.0	0.0
Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	26.3	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	10.4	7.8
Composition Shingles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.4	0.0	0.0	0.0	0.8	0.0	0.0
Other C&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganics	**0.0**	**7.9**	**0.0**	**3.2**	**0.0**	**0.3**	**2.6**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	7.2	0.0	3.1	0.0	0.0	2.2
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.0	0.7	0.0	0.1	0.0	0.3	0.3
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.0	0.1
HHW	**0.0**	**0.0**	**0.0**	**7.4**	**11.9**	**0.0**	**0.0**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	3.9	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	3.5	11.9	0.0	0.0
Textiles	**5.4**	**27.6**	**23.7**	**3.3**	**11.7**	**7.4**	**16.2**
Carpet	0.0	26.8	0.0	0.0	2.0	0.0	0.0
Carpet Padding	0.0	0.0	10.1	0.0	0.0	0.0	0.0
Clothing	1.0	0.0	7.5	0.0	3.4	2.6	4.6
Other Textiles	4.4	0.8	6.1	3.3	6.3	4.8	11.6
Total Weight	**200.7**	**202.5**	**224.5**	**220.5**	**213.3**	**270.0**	**255.4**

Appendix B
ICI MSW Characterization Data

Appendix B
ICI Waste Characterization Sample Data
(Data Shown in Pound)

Date	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/9/2008	10/9/2008	10/9/2008	10/9/2008	10/9/2008	10/9/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008
Sample_ID	BICI1	BICI2	BICI3	BICI4	BICI6	CICI1	CICI2	CICI4	CICI5	DICI1	DICI2	DICI3	DICI5	DICI6	DICI7	LICI1	LICI2	LICI3	LICI4	LICI5	LICI6
County	KENDALL	GRUNDY	GRUNDY	COOK	WILL	COOK	WILL	COOK	COOK	WILL	WILL	WILL	WILL	WILL	WILL	MADISON	MADISON	MADISON	MADISON	MADISON	MADISON
City	KING		MORRIS	LEMONT	CHANNAHAN	CRESTWOOD		CHICAGO	EVERGREEN PARK	ELWOOD	CHANNAHAN	JOLIET	JOLIET	JOLIET	JOLIET	COLLENSVILLE		PONTOON BEACH	WOOD RIVER	ALTON	WOOD RIVER
RUC Code	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vehicle Type	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	RO	RO	RO	RO	PACKER	PACKER	PACKER	PACKER	RO	RO	PACKER	PACKER
Paper	**51.8**	**62.3**	**51.4**	**82.1**	**28.1**	**110.8**	**82.5**	**15.9**	**143.4**	**78.8**	**50.4**	**25.8**	**60.2**	**83.6**	**20.4**	**16.0**	**81.7**	**2.3**	**9.6**	**23.4**	**79.0**
Newsprint	13.0	0.0	0.0	2.2	0.0	17.4	1.6	2.3	2.2	0.0	0.0	0.0	10.3	5.2	1.5	0.2	2.9	1.2	1.7	0.1	6.0
High Grade Office Paper	0.3	0.0	0.0	3.3	0.0	0.8	11.1	5.0	89.3	0.2	0.0	0.9	0.2	5.5	1.6	0.3	3.7	0.0	0.3	0.1	5.9
Magazines/Catalogs	1.5	0.0	0.0	6.0	0.0	8.9	0.0		1.2	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.7	0.0	0.4	0.0	2.5
Uncoated OCC/Kraft	23.1	54.2	51.4	34.9	28.1	70.4	59.2	8.6	27.7	75.1	50.1	9.2	10.2	47.2	10.1	13.0	60.2	0.5	0.0	11.6	43.3
Boxboard	2.9	0.0	0.0	5.1	0.0	1.7	0.2		0.8	0.0	0.0	0.1	1.3	2.7	1.7	0.1	2.3	0.0	1.0	1.9	2.3
Mixed Paper - Recyclable	7.1	8.1	0.0	11.2	0.0	4.5	5.1		17.4	0.0	0.3	1.8	36.9	1.1	2.8	0.8	4.0	0.5	0.3	0.0	9.6
Compostable Paper	2.1	0.0	0.0	14.8	0.0	3.7	4.7		3.1	0.0	0.0	11.5	1.0	16.5	2.4	0.7	5.4		5.7	3.4	6.4
Other Paper	1.8	0.0	0.0	4.6	0.0	3.4	0.6		1.7	3.5	0.0	2.2	0.0	5.4	0.3	0.9	2.5	0.1	0.2	6.3	3.0
Beverage Containers	**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**	**0.2**	**4.8**	**0.5**	**4.0**	**0.0**	**0.0**	**0.0**	**0.1**
Milk and Juice cartons/boxes, coated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.1	0.0	0.2	4.8	0.5	4.0	0.0	0.0	0.0	0.1
Plastics	**20.5**	**121.3**	**36.2**	**50.1**	**2.4**	**26.4**	**19.8**	**0.0**	**6.5**	**39.9**	**16.4**	**43.3**	**38.5**	**71.9**	**20.1**	**5.4**	**26.1**	**1.3**	**8.1**	**12.1**	**39.3**
#1 PET Bottles/Jars	1.9	0.0	6.4	6.6	0.0	0.0	2.8	0.0	1.1	0.0	0.0	4.6	0.9	2.9	0.2	0.2	1.2	0.2	5.3	0.1	0.8
#1 Other PET Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	1.0	0.1
#2 HDPE Bottles/Jars - clear	0.6	0.0	4.6	2.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.1	2.2	15.5	0.4	2.4	0.3	0.0	0.0	1.1	0.3
#2 HDPE Bottles/Jars - color	1.4	0.0	6.8	6.0	0.0	0.0	0.0	0.0	0.6	7.0	0.0	0.3	2.1	0.4	0.1	0.5	0.0	0.0	0.0	0.0	0.3
#2 Other HDPE Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
#6 Expanded Polystyrene Packaging (EPS)	1.5	0.0	0.0	1.4	0.0	0.0	1.0	0.0	0.3	0.8	0.0	5.6	0.0	0.9	0.0	0.1	5.9	0.1	0.1	0.1	2.1
#3-#7 Other - all	1.9	0.0	0.8	4.8	0.0	3.6	0.0	0.0	1.3	0.0	0.0	1.7	0.7	2.2	13.7	0.2	2.4	0.0	0.4	0.0	1.1
Other Rigid Plastic Products	5.8	3.5	14.7	0.0	0.0	8.8	0.7	0.0	0.6	5.3	15.4	4.7	12.7	9.6	0.0	0.0	0.0	0.3	0.0	0.0	1.6
Grocery & Merchandise Bags	0.6	0.0	0.8	2.5	0.0	2.5	0.5	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.1	0.0	0.1	0.0	0.0	0.6	1.2
Trash Bags	1.9	0.0	2.1	8.3	0.0	1.9	7.8	0.0	0.9	0.0	0.0	4.8	2.1	37.8	1.2	0.5	3.0	0.4	1.6	3.0	12.7
Commercial & Industrial Film	0.5	117.8	0.0	0.0	0.0	0.0	3.6	0.0	0.0	26.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Other Film	3.6	0.0	0.0	11.6	2.4	3.6		0.0	0.6	0.3	0.1	3.3	0.6	1.2	1.6	0.4	9.9	0.2	0.4	5.4	6.9
Remainder/ Composite Plastic	0.8	0.0	0.0	6.9	0.0	6.0	3.4	0.0	0.0	0.0	0.0	17.8	16.7	0.8	2.8	0.2	3.3		0.3	0.8	12.2
Glass	**1.2**	**0.0**	**13.6**	**19.5**	**0.0**	**3.0**	**1.7**	**0.0**	**11.7**	**50.7**	**0.0**	**1.1**	**6.4**	**4.7**	**0.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.5**
Recyclable Glass Bottles and Jars	1.2	0.0	13.6	11.7	0.0	3.0	1.7	0.0	11.7	50.7		1.1	6.4	4.7	0.6	0.0	0.0	0.0	0.0	0.0	1.5
Flat Glass	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metals	**20.4**	**1.7**	**19.5**	**17.9**	**0.0**	**12.7**	**4.7**	**0.0**	**2.0**	**0.0**	**1.9**	**111.1**	**0.6**	**2.9**	**11.1**	**0.1**	**18.2**	**5.8**	**0.9**	**0.1**	**1.6**
Aluminum Beverage Containers	1.1	0.0	1.5	5.9	0.0	0.9	0.8	0.0	0.3	0.0	0.1	0.7	0.0	1.2	0.3	0.1	0.6	0.0	0.2	0.1	0.7
Other Aluminum	0.4	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.1	0.1	0.0	2.0	0.0	0.1	0.0	0.1
HVAC Ducting	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	16.3	0.0	0.0	1.1	0.0	2.0	1.6	0.0	1.7	0.0	0.0	0.6	0.0	0.0	10.7	0.0	15.2	0.0	0.6	0.0	0.0
Other Ferrous	0.0	0.0	16.7	3.9	0.0	9.3	1.4	0.0	0.0	0.0	1.8	99.5	0.6	1.6	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Other Non-Ferrous	0.0	1.7	1.3	6.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Other Metal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.8	0.0	0.0	0.8
Organics	**43.0**	**33.9**	**65.6**	**44.6**	**63.5**	**23.6**	**0.9**	**2.7**	**61.1**	**9.3**	**0.5**	**39.0**	**16.6**	**72.2**	**67.4**	**13.7**	**27.6**	**0.6**	**0.8**	**150.9**	**44.8**
Yard Waste - Compostable	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yard Waste - Woody	0.0	0.0	59.8	1.9	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	0.0	0.0
Food Scraps	26.9	0.0	0.0	9.4	0.0	7.2	0.0	0.0	60.3	8.0	0.0	17.6	4.9	42.8	64.7	13.5	27.6	0.2	0.8	148.7	36.1
Bottom Fines and Dirt	6.5	33.9	2.7	5.9	16.2	1.6	0.9	1.7	0.7	1.3	0.5	21.3	2.3	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Diapers	7.6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Other Organic	2.0	0.0	3.1	24.2	47.3	14.8	0.0	0.0	0.1	0.0	0.0	0.1	9.4	1.2	0.2	0.2		0.4		2.2	7.4
C&D	**36.0**	**91.6**	**161.8**	**21.0**	**183.2**	**77.0**	**99.3**	**244.5**	**4.7**	**138.2**	**204.1**	**51.4**	**99.9**	**60.5**	**105.2**	**118.2**	**0.0**	**317.5**	**142.1**	**0.0**	**42.4**
Clean Dimensional Lumber	0.7	44.5	5.2	0.0	133.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	51.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clean Engineered Wood	28.5	24.1	29.9	0.0	26.2	0.0	0.0	225.5	4.7	0.0	0.0	3.6	25.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	28.8
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.2	81.4	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0
Painted Wood	0.0	1.5	4.4	0.3	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	20.6	1.0	104.1	0.0	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.0	0.0	0.0	16.7	0.0	73.4	0.0	0.0	0.0	0.0	64.8	0.0	0.0	0.0	1.1	118.2	0.0	119.7	12.8	0.0	0.0
Concrete	0.0	0.0	96.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	81.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	46.3	0.0	0.0	0.0	0.0	0.0	86.9	0.0	0.0	13.6
Composition Shingles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	57.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	6.8	21.5	26.1	0.1	0.0	0.0	27.3	0.0	0.0	0.0	0.0	1.5	2.6	1.2	0.0	0.0	0.0	46.6	48.3	0.0	0.0
Inorganics	**0.0**	**0.0**	**0.0**	**0.8**	**0.0**	**8.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**24.2**	**0.0**	**0.0**	**85.8**	**36.7**	**0.0**	**6.6**	**0.0**	**30.1**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	0.0	0.0	6.6	0.0	12.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	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	0.0	0.1	0.0	0.0	0.0	0.0
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	36.6	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**1.2**	**0.0**	**0.0**	**0.6**	**0.0**	**1.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	1.2	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	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	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Textiles	**3.8**	**0.0**	**24.3**	**23.6**	**0.0**	**23.2**	**0.0**	**0.0**	**0.3**	**2.8**	**0.2**	**13.6**	**0.0**	**13.5**	**0.1**	**0.0**	**1.9**	**0.0**	**57.9**	**0.0**	**0.3**
Carpet	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	0.0	0.0	10.3	5.8	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.9	0.0	0.0	0.0	0.0
Other Textiles	3.8	0.0	6.6	17.7	0.0	5.5	0.0	0.0	0.3	2.8	0.0	13.6	0.0	13.5	0.0	0.0		0.0	57.9	0.0	0.3
Total Weight	**177.9**	**310.8**	**372.4**	**260.2**	**277.2**	**286.7**	**208.9**	**263.1**	**229.7**	**319.7**	**273.5**	**285.4**	**246.4**	**309.5**	**229.7**	**239.7**	**196.2**	**327.5**	**226.0**	**186.5**	**239.1**

Appendix B
ICI Waste Characterization Sample Data
(Data Shown in Pound)

Date	10/30/2008	10/30/2008	10/30/2008	10/30/2008	11/3/2008	11/3/2008	11/3/2008	11/3/2008	11/3/2008	11/3/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	10/15/2008	10/15/2008
Sample_ID	OICI1	OICI2	OICI4	OICI5	PICI2	PICI3	PICI5	PICI7	PICI8	PICI9	PICI10	PICI11	PICI12	PICI13	QICI1	QICI2	QICI5	QICI6	QICI7	FICI1	FICI2
County	BOND	MADISON	BOND	MADISON	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	TAZEWELL	PEORIA
City	GREENVILLE	HIGHLAND	GREENVILLE	HIGHLAND	LAKE FOREST	N. CHICAGO	WAUKEGAN	ZION	WAUKEGAN	WAUKEGAN	WAUKEGAN	ANTIOCH/ LAKE VILLA	WAUKEGAN	WAUKEGAN		GREYSLAKE	GREYSLAKE	GREYSLAKE	GREYSLAKE	PEAKAN	MAPLETON
RUC Code	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Vehicle Type	PACKER	PACKER	PACKER	PACKER	PACKER	RO	RO	PACKER	RO	PACKER	FRONT LOADER	LOOSE DROP BOX	FRONT LOADER	FRONT LOADER	RO	PACKER	SELF CONTAINER	PACKER	RO	PACKER	RO
Paper	**114.1**	**54.9**	**83.0**	**41.5**	**68.8**	**72.8**	**9.5**	**16.0**	**25.4**	**35.4**	**101.7**	**65.7**	**42.9**	**116.8**	**0.0**	**70.2**	**34.0**	**198.4**	**46.0**	**117.6**	**29.3**
Newsprint	6.2	9.6	4.3	0.0	13.3	8.0	0.0	4.5	5.5	5.0	2.1	4.7	11.6	4.9	0.0	2.5	0.0	0.0	2.5	7.6	0.0
High Grade Office Paper	6.3	0.9	0.0	0.0	0.8	15.2	0.0	0.0	0.0	0.0	9.8	7.7	1.9	33.6	0.0	10.2	0.0	115.1	0.0	4.1	0.0
Magazines/Catalogs	1.2	0.0	1.1	0.0	0.0	1.2	0.0	0.0	0.8	0.7	0.0	4.9	0.0	1.5	0.0	0.0	0.0	0.0	0.0	6.2	0.0
Uncoated OCC/Kraft	69.0	20.0	22.1	22.9	22.3	38.4	7.0	0.7	8.7	16.5	33.4	23.5	11.6	37.8	0.0	41.2	23.8	21.0	21.4	56.1	29.2
Boxboard	3.9	0.4	11.1	1.5	3.8	4.0	0.0	1.0	0.0	4.7	7.3	0.0	1.3	2.2	0.0	2.4	0.0	0.0	0.0	9.2	0.0
Mixed Paper - Recyclable	15.0	10.2	10.7	13.7	3.3	1.0		4.6	1.8	2.8	18.4	13.6	1.7	10.9	0.0	4.6	0.0	0.0	0.0	8.0	0.0
Compostable Paper	10.7	12.0	30.7	2.8	10.8	5.0	2.5	3.6	6.8	4.7	17.7	8.8	11.6	2.7	0.0	6.8	10.2	0.0	4.1	25.6	0.0
Other Paper	1.8	1.8	3.0	0.6	14.5			1.6	1.8	1.0	13.0	2.5	3.2	23.2	0.0	2.5	0.0	62.3	18.0	0.8	0.1
Beverage Containers	**0.9**	**0.0**	**2.4**	**0.0**	**2.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**0.0**	**0.0**	**0.0**	**5.2**	**0.0**
Milk and Juice cartons/boxes, coated	0.9		2.4		2.1					0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	5.2	0.0
Plastics	**24.1**	**21.0**	**51.2**	**38.1**	**45.8**	**48.0**	**80.9**	**15.8**	**10.8**	**54.4**	**33.2**	**66.0**	**22.3**	**16.7**	**0.0**	**21.5**	**124.3**	**15.4**	**167.7**	**43.6**	**2.8**
#1 PET Bottles/Jars	1.3	1.1	6.2	0.3	7.0	6.2		1.9	2.8	4.7	4.2	3.7	1.9	0.0	0.0	5.8	0.0	0.0	0.0	3.5	0.0
#1 Other PET Containers & Packaging	0.6	0.1				4.7				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 HDPE Bottles/Jars - clear	2.5		3.6		3.7	1.8		2.4	0.4	0.4	0.4	0.6	2.5	2.1	0.0	0.0	0.0	0.0	0.0	0.7	0.0
#2 HDPE Bottles/Jars - color	0.2		1.0							0.3	0.0	0.5		1.6	0.0	0.5	0.0	0.0	0.0	0.5	0.0
#2 Other HDPE Containers & Packaging	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
#6 Expanded Polystyrene Packaging (EPS)	1.5	0.8	5.0	0.6	0.9	4.0	2.5	0.8	1.2	0.7	2.1	0.8	0.8	0.4	0.0	2.2	0.0	0.0	15.9	5.3	0.0
#3-#7 Other - all	1.0	0.3	5.1		4.2	6.1		1.0		1.3	3.3	2.7	2.5	1.7	0.0	1.5	0.0	0.0	0.0	4.6	0.0
Other Rigid Plastic Products	0.6	16.0	6.5	33.6	2.1		78.4	4.7	1.5	40.8	3.6	50.4	6.4	7.3	0.0	4.9	0.0	0.0	0.0	6.6	1.5
Grocery & Merchandise Bags	0.8	0.5	2.8		1.0	9.3		1.2	0.6	1.6	1.2	1.9	1.3	2.2	0.0	0.3	0.0	0.0	0.0	0.4	0.0
Trash Bags	3.1	0.6	11.3	1.8	13.8	1.9		1.9	0.9	2.3	7.2	1.5	5.2	0.0	0.0	3.0	0.0	0.0	0.0	13.5	1.3
Commercial & Industrial Film	1.6								3.4	1.8	0.0	0.0	0.0	0.0	0.0	3.3	7.4	15.4	151.8		0.0
Other Film	9.9	1.0	8.4	0.7	13.1			1.9		0.0	6.1	3.9	1.7	1.4	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Remainder/ Composite Plastic	1.0	0.6	1.3	1.1		14.0				0.5	5.1	0.0	0.0	0.0	0.0	0.0	116.9	0.0	0.0	0.2	0.0
Glass	**3.6**	**0.0**	**3.4**	**0.6**	**5.4**	**0.0**	**5.8**	**13.5**	**0.0**	**8.6**	**1.1**	**1.8**	**5.5**	**1.5**	**0.0**	**10.5**	**0.0**	**0.0**	**0.0**	**4.0**	**0.0**
Recyclable Glass Bottles and Jars	2.5		3.3		5.4			8.4		8.6	1.1	1.8	1.9	1.5	0.0	10.5	0.0	0.0	0.0	4.0	0.0
Flat Glass	0.0						5.8	5.1		0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Glass	1.1		0.1	0.6						0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metals	**4.9**	**0.9**	**18.9**	**2.7**	**21.5**	**14.6**	**0.7**	**24.6**	**3.7**	**14.9**	**6.8**	**7.5**	**37.2**	**3.9**	**28.2**	**32.9**	**0.0**	**0.0**	**0.0**	**5.2**	**29.9**
Aluminum Beverage Containers	1.0	0.8	2.3		0.8	0.5		0.5		0.4	3.2	1.7	1.5	2.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0
Other Aluminum	0.3		1.1					0.1		0.4	0.9	0.6	32.9	0.3	28.2	17.5	0.0	0.0	0.0	1.7	4.6
HVAC Ducting	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	2.4	0.1	14.4		20.1		0.7	0.5	3.7	1.7	1.7	4.9	1.3	1.3	0.0	1.6	0.0	0.0	0.0	2.9	0.0
Other Ferrous	0.2		0.6	2.7	0.6	14.1		0.2		12.4	0.0	0.3	1.5	0.0	0.0	13.8	0.0	0.0	0.0	0.0	25.3
Other Non-Ferrous	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
Other Metal	1.0		0.5					20.2		0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Organics	**64.1**	**27.9**	**66.5**	**119.0**	**70.4**	**75.4**	**0.0**	**20.5**	**16.4**	**64.5**	**42.6**	**14.5**	**27.0**	**47.4**	**1.4**	**100.4**	**20.1**	**1.2**	**63.0**	**28.1**	**1.6**
Yard Waste - Compostable	0.0		0.2			9.8				0.0	0.0	0.0	6.9	0.0	0.0	18.7	0.0	0.0	0.0	0.0	0.0
Yard Waste - Woody	0.0				27.5					0.0	0.0	0.0	0.0	39.0	0.0	35.2	0.0	0.0	0.0	0.0	0.0
Food Scraps	54.5	1.3	47.5	111.0	29.5	45.1	0.0	0.0	16.4	16.6	27.8	13.7	8.8	6.7	0.0	38.0	20.1	0.0	0.0	26.0	0.0
Bottom Fines and Dirt	2.1	4.6		8.0						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Diapers	1.2		4.3					20.0		1.1	2.4	0.8	4.9	0.0	0.0	8.3	0.0	0.0	0.0	1.7	0.0
Other Organic	6.3	22.0	14.5		13.4	20.5		0.5		46.8	12.4	0.0	6.4	1.7	1.4	0.2	0.0	1.2	63.0	0.1	1.6
C&D	**19.4**	**30.7**	**0.0**	**3.9**	**0.9**	**8.1**	**37.3**	**125.9**	**158.7**	**17.8**	**0.0**	**78.8**	**112.0**	**0.0**	**261.7**	**8.6**	**0.0**	**7.8**	**0.0**	**0.0**	**204.9**
Clean Dimensional Lumber	0.0					8.1				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clean Engineered Wood	0.0	30.7								0.0	0.0	47.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
Wood Pallets	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	0.0			3.3						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.0				0.9		37.3	125.2	158.7	17.8	0.0	0.0	106.3	0.0	15.2	8.6	0.0	7.8	0.0	0.0	92.3
Concrete	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.3
Reinforced Concrete	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0									0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	19.4									0.0	0.0	0.0	0.0	0.0	246.5	0.0	0.0	0.0	0.0	0.0	0.0
Composition Shingles	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.0			0.6				0.7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	0.0									0.0	0.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
Inorganics	**0.0**	**0.0**	**6.7**	**0.0**	**0.0**	**0.1**	**95.7**	**1.7**	**0.0**	**22.6**	**0.0**	**0.6**	**57.6**	**0.0**	**0.0**	**0.5**	**0.0**	**0.0**	**0.0**	**0.0**	**3.4**
Televisions	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0									0.0	0.0	0.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0		6.7							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0						95.7	1.7		22.2	0.0	0.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - refrigerated	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.0					0.1				0.4	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tires	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
Fluorescent Lights/Ballasts	0.0									0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.0**	**51.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**61.0**	**0.0**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	61.0	0.0
Textiles	**6.1**	**5.0**	**9.0**	**1.8**	**51.3**	**9.1**	**21.7**	**24.4**	**0.1**	**51.8**	**1.4**	**2.1**	**0.7**	**6.2**	**1.8**	**2.0**	**0.0**	**0.0**	**0.0**	**14.7**	**0.0**
Carpet	0.0	0.0	0.0	0.0	46.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	2.6	0.0	5.2	1.8	0.0	6.1	0.0	18.1	0.1	3.2	0.0	0.0	0.0	6.2	0.0	2.0	0.0	0.0	0.0	14.7	0.0
Other Textiles	3.5	5.0	3.8	0.0	4.8	3.0	21.7	6.3	0.0	48.6	1.4	2.1	0.7	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
Total Weight	**237.2**	**191.9**	**241.1**	**207.6**	**266.2**	**228.1**	**251.6**	**242.4**	**215.1**	**270.1**	**186.8**	**237.0**	**305.2**	**193.6**	**293.1**	**246.9**	**178.4**	**222.8**	**276.7**	**279.4**	**271.9**

Appendix B
ICI Waste Characterization Sample Data
(Data Shown in Pound)

Date	10/15/2008	10/15/2008	10/15/2008	10/15/2008	11/6/2008	11/6/2008	11/6/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/22/2008	10/22/2008	10/22/2008	10/22/2008	10/22/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008
Sample_ID	FICI3	FICI4	FICI5	FICI6	RRES2	RICI2	RICI3	HICI1	HICI2	HICI3	HICI4	HICI5	JICI1	JICI2	JICI3	JICI4	JICI5	KICI1	KICI2	KICI3	KICI5
County	TAZEWELL	PEORIA	PEORIA	PEORIA	WINNEBAGO	WINNEBAGO	WINNEBAGO	SANGAMON	SANGAMON	SANGAMON	SANGAMON	SANGAMON	MACON	MACON	MACON	MACON	MACON	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
City	PEAKAN	PEORIA	PEORIA	PEORIA	ROSANA	ROCKFORD	ROCKFORD	SPRINGFIELD	SPRINGFIELD	SPRINGFIELD	SPRINGFIELD	SPRINGFIELD	DECATUR	DECATUR	DECATUR	DECATUR	DECATUR	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN/URBANA
RUC Code	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Vehicle Type	PACKER	RO	PACKER	RO	RO	FRONT LOADER	FRONT LOADER	RO		FRONTLOADER	RO	LOOSE DROP BOX	RO	FRONT LOADER	RO	FRONT LOADER	FRONT LOADER	FRONT LOADER		FRONT LOADER	FRONT LOADER
Paper	**31.7**	**0.0**	**36.5**	**49.1**	**0.0**	**40.2**	**63.7**	**37.7**	**93.0**	**57.8**	**142.0**	**44.6**	**16.2**	**46.9**	**62.9**	**107.4**	**133.9**	**55.6**	**80.0**	**42.4**	**35.5**
Newsprint	0.0	0.0	5.3	0.0	0.0	0.0	11.5	0.6	10.8	2.8	7.1	0.2	0.0	0.2	0.0	18.4	2.8	3.0	6.5	8.3	4.4
High Grade Office Paper	0.0	0.0	1.6	0.0	0.0	0.0	0.2	1.7	1.6	0.1	19.0	0.1	0.0	0.0	0.0	3.0	1.5	0.2	0.9	0.5	0.1
Magazines/Catalogs	0.0	0.0	1.7	35.5	0.0	0.0	1.4	0.5	0.6	0.0	4.9	0.0	0.0	0.6	0.0	1.6	0.2	6.5	1.1	0.0	0.9
Uncoated OCC/Kraft	31.6	0.0	16.1	0.0	0.0	34.9	23.9	6.0	47.2	42.9	71.2	19.0	16.2	37.6	54.2	66.3	86.0	22.7	31.6	1.9	7.5
Boxboard	0.0	0.0	0.0	1.3	0.0	0.0	3.4	2.8	2.6	2.4	3.2	2.7	0.0	2.6	0.2	1.6	20.5	4.5	7.3	6.0	10.1
Mixed Paper - Recyclable	0.0	0.0	1.7	3.2	0.0	2.3	11.9	5.6	11.4	2.5	15.5	4.0	0.0	1.6	3.1	4.3	11.7	10.1	17.2	7.6	3.8
Compostable Paper	0.0	0.0	9.1	8.8	0.0	3.0	9.0	16.6	15.7	3.7	19.1	15.8	0.0	3.7	2.8	6.3	9.6	6.0	12.3	15.3	6.5
Other Paper	0.1	0.0	1.0	0.3	0.0	0.0	2.4	3.9	3.1	3.4	2.0	2.8	0.0	0.6	2.6	5.9	1.6	2.6	3.1	2.8	2.2
Beverage Containers	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.3**	**0.2**	**5.2**	**0.3**	**0.2**	**0.1**	**0.0**	**0.2**	**0.0**	**0.1**	**0.0**	**0.6**	**0.5**	**0.3**	**0.0**
Milk and Juice cartons/boxes, coated	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	5.2	0.3	0.2	0.1	0.0	0.2		0.1		0.6	0.5	0.3	0.0
Plastics	**14.7**	**3.9**	**45.4**	**40.7**	**0.0**	**6.6**	**26.8**	**64.7**	**45.9**	**47.3**	**29.6**	**37.4**	**15.2**	**17.2**	**9.9**	**55.2**	**28.9**	**22.4**	**40.4**	**41.5**	**27.0**
#1 PET Bottles/Jars	0.7	0.0	3.2	1.5	0.0	0.4	0.7	1.6	9.9	2.1	2.6	1.7	0.0	1.1	0.2	2.2	1.2	2.0	1.1	4.4	1.0
#1 Other PET Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.5	0.0	0.0	0.1	0.0	0.7		0.6	0.5	0.2	0.1
#2 HDPE Bottles/Jars - clear	0.0	0.0	0.0	1.3	0.0	0.0	4.5	0.7	0.1	0.6	2.0	0.0	0.0	0.3	0.0	0.2	0.9	0.8	0.9	2.3	0.9
#2 HDPE Bottles/Jars - color	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.2	0.2	6.3	0.0	12.0	0.0	0.1	0.0	0.4	1.4	1.1	2.1	3.4	0.0
#2 Other HDPE Containers & Packaging	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	3.8	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	14.3	0.0	1.0
#6 Expanded Polystyrene Packaging (EPS)	2.4	0.0	1.1	0.5	0.0	0.0	0.8	3.5	3.0	1.8	2.1	2.3	0.0	0.4	0.1	7.9	1.1	0.8	1.3	1.1	1.4
#3-#7 Other - all	0.0	0.0	2.4	0.6	0.0	1.2	2.2	6.2	4.0	1.6	1.4	2.1	0.0	1.6	0.0	1.7	1.2	3.6	2.8	2.3	1.2
Other Rigid Plastic Products	0.5	0.7	27.2	31.1	0.0	0.0	0.9	19.3	12.2	9.8	3.3	0.1	0.0	0.6	0.0	5.1	2.9	3.8	2.7	9.3	8.6
Grocery & Merchandise Bags	0.0	0.0	0.8	1.7	0.0	0.0	1.1	0.2	0.0	0.0	0.5	1.2	1.4	0.7	0.0	0.0	0.8	2.5	1.8	3.6	3.0
Trash Bags	0.0	0.0	3.3	1.6	0.0	0.0	4.2	12.2	8.8	2.2	5.6	3.0	0.0	1.6	0.0	5.9	2.6	2.7	3.1	4.0	4.3
Commercial & Industrial Film	10.7	3.2	2.0	0.0	0.0	4.7	0.0	5.2	0.1	0.0	2.3	0.0	0.0	3.3	2.5	24.4	7.9	0.0	2.2	0.4	0.0
Other Film	0.4	0.0	4.7	2.4	0.0	0.3	4.6	13.3	7.5	14.8	1.4	5.2	0.0	2.8	0.0	5.4	5.0	3.4	4.0	5.0	2.6
Remainder/ Composite Plastic	0.0	0.0	0.7	0.0	0.0	0.0	0.6	1.6	0.1	2.4	7.9	9.8	0.0	4.6	7.1	1.3	3.9	1.1	3.6	5.5	2.9
Glass	**0.0**	**0.0**	**0.0**	**9.8**	**0.0**	**2.2**	**9.9**	**0.3**	**0.5**	**3.4**	**1.1**	**10.0**	**0.0**	**0.0**	**0.0**	**2.3**	**3.5**	**6.0**	**4.1**	**9.8**	**12.4**
Recyclable Glass Bottles and Jars	0.0	0.0	0.0	9.8	0.0	0.5	9.7	0.3	0.5	3.4	1.1	4.7	0.0	0.0	0.0	2.3	3.4	5.9	4.1	8.9	10.5
Flat Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Other Glass	0.0	0.0	0.0	0.0	0.0	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.9	1.3
Metals	**16.2**	**10.5**	**8.1**	**1.1**	**0.0**	**0.0**	**6.3**	**0.8**	**14.6**	**11.2**	**1.4**	**3.2**	**4.5**	**0.8**	**22.4**	**11.3**	**3.4**	**3.8**	**6.4**	**13.3**	**6.6**
Aluminum Beverage Containers	0.0	0.0	0.3		0.0	0.0	1.8	0.6	0.9	0.9	0.7	0.6	0.0	0.4	0.1	0.7	1.6	0.9	0.7	3.7	1.0
Other Aluminum	0.0	10.5	3.3	1.1	0.0	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.5	2.9	0.5
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	0.0	0.0	4.5	0.0	0.0	0.0	2.4	0.2	13.5	1.9	0.6	2.1	0.0	0.0	0.0	0.7	1.4	2.3	2.9	2.3	3.4
Other Ferrous	16.2	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.2	6.7	0.0	0.0	0.0	0.2	2.8	7.6	0.0	0.2	0.2	3.2	1.6
Other Non-Ferrous	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.1
Other Metal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	4.5		19.5	1.8	0.4	0.0	2.1	1.2	0.0
Organics	**6.0**	**0.0**	**24.2**	**19.5**	**0.0**	**23.9**	**113.9**	**101.5**	**94.6**	**46.9**	**28.6**	**18.3**	**0.0**	**25.7**	**107.2**	**15.9**	**39.9**	**101.3**	**95.9**	**67.0**	**94.6**
Yard Waste - Compostable	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	27.0
Yard Waste - Woody	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	13.7	13.8	0.0	0.0	0.0
Food Scraps	0.0	0.0	8.8	4.9	0.0	2.6	107.2	101.5	93.3	44.8	27.2	11.4	0.0	4.6	107.2	11.1	24.2	32.0	87.1	41.0	57.2
Bottom Fines and Dirt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	0.7
Diapers	0.0	0.0	0.0	2.7	0.0	18.7	3.2	0.0	0.1	0.0	0.0	0.8	0.0	20.7	0.0	0.2	2.0	10.4	0.8	2.5	6.5
Other Organic	6.0		1.1	10.4	0.0	2.6	3.5	0.0	1.2	1.4	0.3	4.8	0.0	0.4	0.0	4.6	0.0	42.5	7.1	22.0	3.2
C&D	**153.1**	**211.1**	**1.7**	**116.2**	**366.5**	**151.3**	**0.2**	**0.4**	**21.8**	**0.0**	**2.0**	**10.8**	**128.9**	**70.5**	**0.0**	**3.6**	**0.0**	**3.9**	**5.1**	**12.5**	**2.2**
Clean Dimensional Lumber	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Clean Engineered Wood	0.0	62.9	0.0	2.1	0.0	107.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.4	0.0	0.0	0.0	0.0	2.1	0.0	0.0
Wood Pallets	153.1	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	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	21.0	0.0	2.0	0.0	2.0	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.7	0.0	0.0	8.2	0.0	2.7	0.0	3.6	0.0	3.3	3.0	12.5	
Concrete	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	108.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Composition Shingles	0.0	125.5	0.0	5.2	366.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.0	0.0	0.0	0.0	0.0	23.2	0.2	0.0	0.1	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Inorganics	**0.0**	**42.1**	**0.0**	**87.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**	**33.3**	**2.6**	**36.6**	**0.0**	**47.8**	**14.7**	**0.0**	**8.1**	**0.2**	**0.0**	**0.9**	**4.1**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	4.0
Electronic Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		0.1	0.0	36.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.2	0.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
Tires	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	42.1	0.0	85.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.8	14.7	0.0	7.3	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**14.5**	**0.0**	**8.6**	**0.0**	**0.0**	**0.0**	**3.0**	**0.0**	**0.0**	**0.0**	**0.3**	**0.0**	**3.0**	**2.1**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Textiles	**0.6**	**18.5**	**130.6**	**19.3**	**0.0**	**101.7**	**2.2**	**21.5**	**1.6**	**0.5**	**0.0**	**0.0**	**35.9**	**10.0**	**2.2**	**4.5**	**1.3**	**16.2**	**5.5**	**45.2**	**10.4**
Carpet	0.0	11.5	67.2	15.2	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	8.1	4.9	32.8	0.0
Carpet Padding	0.0	0.0	63.4	0.0	0.0	30.2	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	0.6	0.3	0.0	4.1	0.0	0.0	0.0	13.7	1.6	0.0	0.0	0.0	8.6	8.0	0.4	3.1	1.3	0.4	0.3	8.5	6.3
Other Textiles	0.0	6.7	0.0	0.0	0.0	0.0	2.2	7.8	0.0	0.5	0.0	0.0		2.0	1.8	1.4	0.0	7.7	0.3	3.9	4.1
Total Weight	**222.3**	**286.1**	**246.5**	**342.7**	**366.5**	**326.1**	**223.3**	**241.8**	**277.2**	**209.3**	**207.5**	**161.0**	**200.7**	**222.1**	**219.3**	**200.3**	**219.0**	**210.3**	**237.9**	**235.9**	**194.9**

Appendix B
ICI Waste Characterization Sample Data
(Data Shown in Pound)

Date	10/23/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/29/2008	10/29/2008	10/29/2008	11/6/2008	11/14/2008	11/14/2008	10/21/2008
Sample_ID	KICI6	AICI1	AICI2	AICI4	AICI5	BICI5	EICI1	EICI2	EICI3	EICI4	GICI1	GICI2	GICI3	GICI4	NICI1	NICI3	NICI4	RICI1	SICI3	SICI5	IICI1
County	CHAMPAIGN	LASALLE	LASALLE	LASALLE	LASALLE	LASALLE	LIVINGSTON	LASALLE	LIVINGSTON	LIVINGSTON	KNOX	KNOX	KNOX	KNOX	MARION	MARION	MARION	OGLE	MORGAN	MORGAN	COLES
City	URBANA	PERU		OTTOWA	OTTOWA	MARASIELLES	DWIGHT	STREATER	PONTIAC	PONTIAC	GALESBURG	GALESBURG	GALESBURG	GALESBURG	CENTRALIA	CENTRALIA	CENTRALIA	DAVIS JUNCTION	JACKSONVILLE	JACKSONVILLE	MATTOON
RUC Code	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
Vehicle Type	REAR LOADER	ROLL-OFF	PACKER	FRONTLOADER	COMPACTOR	RO	RO	RO	PACKER	PACKER	PACKER	PACKER	PACKER	PACKER	RO	RO/TRAILER	TRAILER	RO	PACKER	COMPACTED DROP BOX	FRONT LOADER
Paper	**60.7**	**31.7**	**80.2**	**107.9**	**140.3**	**101.0**	**50.5**	**116.4**	**56.2**	**56.6**	**176.8**	**63.3**	**147.4**	**57.0**	**165.2**	**0.0**	**32.8**	**146.8**	**43.4**	**63.1**	**102.3**
Newsprint	14.4	0.0	4.8	2.1	91.1	1.9	0.0	0.0	3.5	11.0	1.1	25.0	17.6	10.4	0.0	0.0	9.5	1.9	2.0	1.0	11.0
High Grade Office Paper	0.1	0.0	0.7	0.0	0.5	0.0	16.2	0.0	0.1	21.0	16.1	0.6	17.1	0.0	0.0	0.0	0.0	0.0	0.7	3.7	1.9
Magazines/Catalogs	1.1	0.0	2.8	0.0	18.2	10.4	8.8	0.5	1.8	0.7	0.1	1.2	91.9	10.9	0.0	0.0	0.2	0.0	0.0	0.5	3.4
Uncoated OCC/Kraft	13.8	20.9	61.6	91.6	21.9	77.4	19.1	110.0	24.6	10.4	140.7	21.1	1.6	12.2	86.9	0.0	18.8	14.1	13.0	1.0	50.3
Boxboard	6.8	1.6	2.1	2.1	2.3	0.0	0.8	3.6	4.0	1.0	1.8	3.0	11.2	6.5	78.3	0.0	0.8	12.1	14.6	8.9	12.5
Mixed Paper - Recyclable	7.6	0.2	5.2		3.8	10.7	0.0	2.1	7.3	6.2	2.2	5.4	7.2	5.4	0.0	0.0	0.0	19.4	0.2	8.0	8.4
Compostable Paper	15.2	0.0	2.2	12.1	2.1	0.0	4.7	0.1	12.0	5.5	14.1	3.9	0.8	8.8	0.0	0.0	3.3	97.2	11.2	22.7	10.8
Other Paper	1.7	9.0	0.8		0.4	0.6	0.9	0.1	2.9	0.8	0.7	3.1	0.0	2.8	0.0	0.0	0.2	2.1	1.7	17.3	4.0
Beverage Containers	**0.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.5**	**0.0**	**0.3**	**0.0**	**0.1**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**
Milk and Juice cartons/boxes, coated	0.6	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.3		0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Plastics	**29.8**	**54.6**	**30.1**	**33.1**	**19.7**	**26.8**	**19.0**	**5.6**	**29.9**	**11.1**	**90.7**	**14.4**	**45.3**	**13.4**	**43.9**	**0.0**	**22.7**	**30.3**	**129.2**	**79.1**	**17.5**
#1 PET Bottles/Jars	3.6	8.8	2.4	1.2	0.0	6.4	1.8	0.0	3.9	3.9	0.6	0.9	0.0	0.4	0.0	0.0	0.4	7.3	1.7	1.5	2.9
#1 Other PET Containers & Packaging	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0		0.1
#2 HDPE Bottles/Jars - clear	0.9	0.1	0.0	1.8	0.0	1.4	0.4	0.0	0.6	0.5	0.0	0.4	0.0	0.0	0.0	0.0		0.0	0.0	0.2	0.3
#2 HDPE Bottles/Jars - color	0.8	0.0	10.2	4.3	0.0	3.1	0.3	0.0	0.6	0.6	0.1	0.2	0.0	1.1	0.0	0.0	1.0	0.0	0.1	0.3	0.5
#2 Other HDPE Containers & Packaging	2.7	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0		0.0
#6 Expanded Polystyrene Packaging (EPS)	1.7	0.2	3.5	3.9	0.0	0.5	2.0	0.2	1.9	0.6	0.8	0.4	1.1	0.8	0.0	0.0	0.1	11.1	1.5	1.7	1.4
#3-#7 Other - all	2.8	0.0	3.3	0.0	0.0	0.3	0.1	0.1	3.2		1.2	1.1	2.2	1.4	28.7	0.0	0.8	0.3	0.0	0.7	1.9
Other Rigid Plastic Products	1.5	7.3	4.3	4.5	8.9	4.9	0.2	4.0	1.6	0.5	37.3	4.7	31.2	0.5	1.0	0.0	0.3	0.8	9.5	0.8	1.5
Grocery & Merchandise Bags	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	2.5	1.2	0.0	0.0	0.6	0.0	0.0	0.1	1.1
Trash Bags	3.8	0.0	4.9	2.1	8.6	0.7	5.6	0.4	7.7	1.8	2.3	1.0	1.5	0.4	0.0	0.0	0.3	1.8	2.3	21.9	3.1
Commercial & Industrial Film	2.8	38.2	0.0	0.0	0.0	9.0	0.0	0.8		1.5	47.2	0.5	4.4	0.0	9.2	0.0	0.0	0.0	10.3	48.6	1.7
Other Film	4.5	0.0	0.3	0.0	2.2	0.0	8.5	0.1	7.2	1.7	1.0	3.9	2.1	2.8	5.0	0.0	2.1	6.8	103.8	3.0	2.5
Remainder/ Composite Plastic	1.6	0.0	1.2	15.0	0.0	0.5	0.1	0.0	3.2		0.0	0.2	0.3	0.1	0.0	0.0	17.1	2.2	0.0	0.3	0.5
Glass	**13.6**	**0.0**	**2.8**	**4.4**	**3.3**	**0.6**	**0.0**	**2.6**	**6.5**	**0.0**	**0.2**	**5.6**	**0.0**	**7.9**	**0.0**	**0.0**	**25.3**	**0.6**	**0.0**	**0.0**	**0.0**
Recyclable Glass Bottles and Jars	13.6	0.0	0.0	4.4	3.3	0.6	0.0	0.0	6.5		0.2	5.2	0.0	7.8	0.0	0.0	0.8	0.6	0.0	0.0	0.0
Flat Glass	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	24.5	0.0	0.0	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metals	**6.6**	**81.1**	**80.8**	**26.0**	**1.0**	**6.6**	**22.9**	**65.0**	**68.9**	**22.0**	**3.1**	**7.2**	**2.4**	**29.3**	**0.0**	**0.0**	**97.3**	**5.3**	**2.1**	**1.3**	**32.8**
Aluminum Beverage Containers	1.6	0.0	1.9	3.1	0.0	2.3	0.0	0.0	1.7	0.4	0.9	1.3	0.2	3.3	0.0	0.0	0.1	2.6	2.0	0.8	0.8
Other Aluminum	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	2.7		0.1	0.9	0.4	1.1	0.0	0.0	0.1	0.2	0.1	0.1	0.4
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Ferrous containers (tin cans)	4.4	0.3	1.6	0.0	0.0	0.5	22.9	0.0	2.5		0.8	3.1	0.0	3.0	0.0	0.0	0.3	0.0	0.0	0.4	1.6
Other Ferrous	0.2	73.6	76.4	22.0	1.0	3.4	0.0	0.0	62.0	21.6	1.3	0.6	1.8	21.9	0.0	0.0	0.1	2.5	0.0		30.0
Other Non-Ferrous	0.0	0.0	0.8	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Other Metal	0.0	7.2	0.0	0.9	0.0	0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.7	0.0	0.0		0.0
Organics	**97.2**	**17.7**	**14.6**	**10.7**	**61.9**	**4.5**	**176.1**	**15.4**	**59.9**	**4.2**	**55.9**	**90.9**	**4.6**	**47.2**	**0.0**	**250.0**	**0.3**	**16.2**	**13.1**	**5.4**	**77.6**
Yard Waste - Compostable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yard Waste - Woody	0.1	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Food Scraps	69.6	0.0	5.9	6.8	0.0	0.0	171.7	0.0	41.1	1.2	55.8	40.2	1.7	36.7	0.0	250.0	0.0	0.0	3.9	3.1	12.3
Bottom Fines and Dirt	3.9	17.7	3.7	3.9	3.2	1.6	0.0	0.0	0.8	1.0	0.0	0.2	0.0	1.2	0.0	0.0	0.0	0.0	6.9	1.8	1.0
Diapers	8.1	0.0	0.0	0.0	58.7	0.0	2.7	0.0	14.2	2.0	0.0	4.0	2.8	1.1	0.0	0.0	0.0	0.0	0.0	0.1	2.8
Other Organic	15.5	0.0	5.0	0.0	0.0	2.9	1.7	0.0	3.8		0.1	5.4	0.1	8.2	0.0	0.0	0.3	16.2	2.3	0.4	60.5
C&D	**3.2**	**218.3**	**10.9**	**29.6**	**0.0**	**166.8**	**0.0**	**7.0**	**27.8**	**117.4**	**8.8**	**0.1**	**1.0**	**28.3**	**0.0**	**0.0**	**15.8**	**4.9**	**2.0**	**0.0**	**0.0**
Clean Dimensional Lumber	0.0	4.2	0.0	16.8	0.0	10.4	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	0.0	0.0
Clean Engineered Wood	0.0	0.0	0.0	0.0	0.0	31.2	0.0	1.3	0.0	0.0	0.0	0.0	0.9	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood Pallets	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	0.0	26.6	10.9	0.0	0.0	4.2	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.1	0.0	0.0	0.0	0.0		0.0	0.0	19.6	110.9	1.1	0.1	0.0	0.0	0.0	0.0	15.8	4.9	0.0	0.0	0.0
Concrete	0.0	0.0	0.0	0.0	0.0	94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	187.5	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Composition Shingles	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inorganics	**0.2**	**0.0**	**1.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**	**48.9**	**0.1**	**4.9**	**0.0**	**14.5**	**0.0**	**0.0**	**47.0**	**0.0**	**0.0**	**0.0**	**2.2**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	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	6.9	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	48.9	0.0	4.3	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.0**	**0.0**	**16.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**19.3**
Latex Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
Textiles	**5.4**	**0.9**	**66.8**	**16.9**	**0.3**	**16.7**	**1.1**	**5.0**	**11.3**	**6.9**	**0.0**	**2.6**	**0.8**	**3.6**	**0.0**	**0.0**	**0.2**	**0.0**	**12.2**	**0.6**	**9.7**
Carpet	0.0	0.0	3.4	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	1.8	0.0	35.1	16.9	0.0	7.1	0.1	4.9	4.1	6.9	0.0	0.4	0.0	3.6	0.0	0.0	0.0	0.0	11.3	0.6	7.9
Other Textiles	3.6	0.9	28.3	0.0	0.3	3.8	1.0	0.1	7.2	0.0	0.0	2.2	0.8	0.0	0.0	0.0	0.2	0.0	0.9	0.0	1.8
Total Weight	**217.3**	**404.3**	**304.7**	**228.6**	**226.5**	**323.0**	**274.1**	**217.2**	**260.8**	**267.1**	**335.7**	**189.4**	**201.5**	**201.2**	**209.1**	**250.0**	**241.4**	**204.1**	**202.0**	**149.7**	**261.4**

Appendix B
ICI Waste Characterization Sample Data
(Data Shown in Pound)

Date	10/21/2008	10/28/2008	10/28/2008	10/28/2008	11/14/2008	11/14/2008	10/21/2008	10/29/2008	11/14/2008	11/14/2008	10/28/2008	10/2/2008
Sample_ID	IICI3	MICI1	MICI3	MICI4	SICI1	SICI2	IICI2	NICI2	SICI4	SICI6	MICI5	AICI3
County	COLES	JACKSON	JACKSON	JACKSON	ADAMS	ADAMS	DOUGLAS	CLARK	CASS	CASS	JEFFERSON	PUTTNAM
City	CHARLESTON				QUINCY	QUINCY	TUSCOLA	CASEY	BEARDSTOWN	BEARDSTOWN	MT. VERNON	HINEPIN
RUC Code	5	5	5	5	5	5	6	6	6	6	7	8
Vehicle Type	FRONT LOADER	PACKER	PACKER	PACKER	COMPACTED DROP BOX	FRONT LOADER	FRONT LOADER	RO	LOOSE DROP BOX	COMPACTED DROP BOX	PACKER	ROLL-OFF
Paper	**62.9**	**121.3**	**45.9**	**61.7**	**132.1**	**36.0**	**71.2**	**29.5**	**18.0**	**55.0**	**101.4**	**4.7**
Newsprint	4.9	10.7	3.8	7.0	70.4	0.3	9.0	4.7	0.0	0.0	1.2	0.0
High Grade Office Paper	17.1	2.0	0.3	4.2	0.0	3.4	0.4	0.0	0.0	0.0	0.0	0.0
Magazines/Catalogs	2.0	0.2	1.2	0.2	0.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0
Uncoated OCC/Kraft	12.0	68.6	6.4	4.8	37.8	14.0	18.0	4.3	18.0	55.0	31.8	4.7
Boxboard	6.0	5.7	8.0	2.2	4.7	0.6	16.2	7.8	0.0	0.0	65.3	0.0
Mixed Paper - Recyclable	9.7	13.3	5.1	11.7	6.9	3.4	17.1	2.5	0.0	0.0	0.7	0.0
Compostable Paper	9.1	19.7	19.6	29.7	12.3	8.0	6.8	9.9	0.0	0.0	2.0	0.0
Other Paper	2.1	1.1	1.5	1.9	0.0	2.8	2.7	0.3	0.0	0.0	0.4	0.0
Beverage Containers	**0.6**	**0.1**	**0.3**	**18.8**	**0.0**	**0.5**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Milk and Juice cartons/boxes, coated	0.6	0.1	0.3	18.8	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0
Plastics	**30.2**	**33.0**	**39.4**	**27.6**	**101.6**	**33.8**	**37.2**	**23.6**	**4.0**	**124.5**	**19.6**	**28.9**
#1 PET Bottles/Jars	3.8	1.8	4.2	1.9	2.3	3.4	2.1	6.1	0.0	0.0	0.8	0.0
#1 Other PET Containers & Packaging	0.3	1.2	0.5	0.3	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0
#2 HDPE Bottles/Jars - clear	0.8	0.3	3.7	0.2	6.7	0.7	3.1	0.4	0.0	0.0	0.4	0.0
#2 HDPE Bottles/Jars - color	2.0	0.1	0.5	1.1	5.7	0.2	2.9	0.0	0.0	0.0	0.0	0.0
#2 Other HDPE Containers & Packaging	7.5	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.1	0.0
#6 Expanded Polystyrene Packaging (EPS)	2.4	9.1	1.6	4.2	15.3	2.0	0.5	2.0	0.0	2.5	1.1	15.6
#3-#7 Other - all	1.9	1.5	0.0	0.8	10.2	1.9	3.2	0.7	0.0	0.0	0.0	0.0
Other Rigid Plastic Products	0.8	7.7	10.6	0.7	18.1	1.7	2.5	2.6	0.0	0.0	2.1	0.0
Grocery & Merchandise Bags	2.0	1.2	1.0	1.0	5.2	0.6	2.8	0.2	0.0	0.0	0.1	0.0
Trash Bags	4.0	3.0	8.3	12.0	3.7	1.4	7.9	5.8	0.0	0.0	0.6	10.7
Commercial & Industrial Film	0.1	2.5	0.0	2.0	8.1	11.8	6.5	0.0	4.0	109.5	13.5	2.6
Other Film	3.9	3.5	8.6	2.9	26.3	7.9	3.1	5.0	0.0	0.0	0.9	0.0
Remainder/ Composite Plastic	0.7	1.1	0.4	0.5	0.0	1.5	1.8	0.8	0.0	12.5	0.0	0.0
Glass	**6.5**	**2.7**	**12.0**	**0.7**	**0.8**	**2.1**	**10.3**	**1.6**	**0.0**	**0.0**	**0.0**	**0.0**
Recyclable Glass Bottles and Jars	6.5	2.1	12.0	0.7	0.8	1.6	10.3	1.6	0.0	0.0	0.0	0.0
Flat Glass	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Glass	0.0	0.0	0.0	0.0		0.5	0.0	0.0	0.0	0.0	0.0	0.0
Metals	**13.7**	**6.3**	**18.5**	**4.4**	**5.5**	**3.0**	**9.5**	**4.2**	**0.0**	**2.5**	**0.0**	**22.7**
Aluminum Beverage Containers	2.0	1.1	2.4	0.9	0.0	2.0	2.0	1.6	0.0	0.0	0.0	0.0
Other Aluminum	0.3	3.5	1.0	0.5	5.5	0.2	0.3	1.0	0.0	0.0	0.0	0.0
HVAC Ducting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferrous containers (tin cans)	2.0	1.3	6.4	2.8	0.0	0.8	0.0	0.3	0.0	0.0	0.0	0.0
Other Ferrous	9.4	0.4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.5	0.0	2.8
Other Non-Ferrous	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	19.9
Other Metal		0.0	8.7	0.2	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0
Organics	**41.9**	**47.2**	**80.3**	**108.6**	**209.5**	**121.2**	**25.1**	**51.3**	**228.0**	**5.0**	**57.2**	**4.5**
Yard Waste - Compostable	0.0	10.7	9.5	16.2	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0
Yard Waste - Woody	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food Scraps	18.0	33.3	62.8	20.2	184.7	110.0	20.8	31.1	3.0	5.0	4.3	0.0
Bottom Fines and Dirt	2.5	0.0	2.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	4.5
Diapers	19.3	0.2		1.0	0.0	0.6	2.7	0.0	0.0	0.0	0.0	0.0
Other Organic	0.9	3.0	6.0	71.2	24.8	0.2	1.6	3.0	225.0	0.0	52.9	0.0
C&D	**30.5**	**6.3**	**0.7**	**0.0**	**14.4**	**67.7**	**77.6**	**78.2**	**0.0**	**25.0**	**2.1**	**200.9**
Clean Dimensional Lumber	0.0	6.3	0.0	0.0	0.0	67.1	0.0	0.0	0.0	0.0	0.0	0.0
Clean Engineered Wood	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0	2.1	0.0
Wood Pallets	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Painted Wood	29.5	0.0	0.1	0.0	0.0	0.0	39.9	0.0	0.0	0.0	0.0	0.0
Treated Wood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.3	0.0	25.0	0.0	0.0
Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0
Reinforced Concrete	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Paving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rock & Other Aggregates	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Bricks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypsum Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Composition Shingles	1.0	0.0	0.0	0.0	0.0	0.0	33.6	0.0	0.0	0.0	0.0	0.0
Other Roofing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plastic C&D materials	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0
Ceramics/Porcelain	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other C&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.9
Inorganics	**0.1**	**0.2**	**0.6**	**3.1**	**0.0**	**0.0**	**0.5**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**
Televisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Monitors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Computer Equipment/Peripherals	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electronic Equipment	0.0	0.0	0.4	1.6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
White Goods - refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Goods - not refrigerated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lead-acid Batteries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Household Batteries	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Tires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Household Bulky Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fluorescent Lights/Ballasts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HHW	**0.1**	**0.0**	**0.2**	**1.1**	**0.0**	**0.0**	**4.8**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**
Latex Paint	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Paint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant/Organism/Pest Control/Growth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Used Oil/Filters	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Other Automotive Fluids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mercury-Containing Items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Sharps & Infectious Waste	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ash, Sludge, & Other Industrial Processed Wastes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sewage Solids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other HHW	0.0	0.0	0.2	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0
Textiles	**6.2**	**22.4**	**3.0**	**0.1**	**0.0**	**0.0**	**19.6**	**4.8**	**0.0**	**0.0**	**6.0**	**0.0**
Carpet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carpet Padding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clothing	4.4	0.0	0.0	0.1	0.0	0.0	2.7	0.0	0.0	0.0	1.0	0.0
Other Textiles	1.8	22.4	3.0	0.0	0.0	0.0	16.9	4.8	0.0	0.0	5.0	0.0
Total Weight	**192.7**	**239.5**	**200.9**	**226.1**	**463.9**	**264.3**	**255.9**	**193.8**	**250.0**	**212.0**	**186.3**	**261.7**

Appendix B
C&D MSW Characterization Data

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008
Sample_ID	AC+D11	AC+D10	AC+D9	AC+D8	AC+D7	AC+D6	AC+D5	AC+D4	AC+D3	AC+D2	AC+D1	BC+D1	BC+D2	BC+D3	BC+D4	BC+D6	BC+D7	BC+D8	CC+D1	CC+D2	CC+D3	CC+D4	CC+D5	CC+D6
County	LASALLE	LASALLE	LASALLE	KENDALL	LASALLE	LASALLE	LASALLE	LASALLE	LASALLE	LASALLE	LASALLE	WILL	WILL	GRUNDY	GRUNDY	WILL	GRUNDY	GRUNDY	WILL	WILL	KANKAKEE	Will	Will	Will
City	Peru	Seneca	LaSalle	Newark	Peru	LaSalle	-	Ottawa	Peru	Ottawa	Ottawa	Joliet	Manhattan	Morris	Morris	Mokena	Morris	Morris	New Lennox	New Lennox	Kankakee	-	-	Not Disclosed
Urban or Rural (RAC)	4	4	4	1	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	3	1	1	1
Load Weight (tons)	0.75	3.77	14.56	7.06	4.88	2.20	2.70	5.63	3.94	4.52	8.96	4.66	14.65	6.57	0.37	18.19	14.82	11.33	7.69	6.25	2.00	2.00	4.00	2.00
Paper	0.00	0.74	0.00	0.04	0.00	0.00	0.00	0.10	0.00	0.09	1.76	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.74	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.09	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.04	0.00	0.04	0.05	0.00	0.00	0.00	0.00	0.02	0.01	0.05	0.00	0.00	0.00
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Organics	0.00	0.00	0.00	6.58	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	18.19	0.00	0.00	0.52	0.22	0.97	0.00	0.00	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Woody	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.18	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.19	0.00	0.00	0.49	0.22	0.79	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C&D	0.75	3.02	14.56	0.41	4.85	1.91	2.70	5.32	3.94	3.73	7.13	4.65	14.61	6.52	0.23	0.00	14.82	11.33	7.15	6.01	0.96	2.00	4.00	2.00
Clean Dimensional Lumber	0.00	0.00	0.00	0.15	0.44	0.95	0.62	3.46	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.02
Clean Engineered Wood	0.00	0.00	0.00	0.00	0.05	0.93	0.22	0.26	0.00	1.21	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wood Pallets	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.15	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.03	0.00	0.02
Painted Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	1.85	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00
Treated Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.86	0.07	0.62	0.00
Concrete	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.47	4.53	0.00	0.56	0.00	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	0.00	14.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.82	11.33	0.00	0.00	0.00	0.00	0.00	0.00
Bricks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.48	0.00	0.00	0.00	0.00
Gypsum Board	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	6.92	3.62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Composition Shingles	0.75	0.00	0.00	0.00	4.37	0.00	0.27	0.00	3.94	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.71	1.96
Other Roofing	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastic C&D materials	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.00	0.05	0.00	0.00	0.00	0.03	0.00	1.60	0.00	0.00	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00
Inorganics	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.75**	**3.77**	**14.56**	**7.06**	**4.88**	**2.20**	**2.70**	**5.63**	**3.94**	**4.52**	**8.96**	**4.66**	**14.65**	**6.57**	**0.37**	**18.19**	**14.82**	**11.33**	**7.69**	**6.25**	**2.00**	**2.00**	**4.00**	**2.00**

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	10/8/2008	10/8/2008	10/9/2008	10/9/2008	10/9/2008	10/9/2008	10/9/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
Sample_ID	CC+D7	CC+D8	DC+D1	DC+D2	DC+D3	DC+D4	DC+D5	EC+D2	EC+D1	EC+D3	EC+D4	ED+D5	EC+D6	EC+D7	FC+D1	FC+D2	FC+D3	FC+D4	FC+D5	FC+D6	FC+D7	FC+D8	FC+D9	FC+D10
County	Will	Will	WILL	WILL	WILL	WILL	WILL	LIVINGSTON	LIVINGSTON	LIVINGSTON	LIVINGSTON	LIVINGSTON	KANE	COOK	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA	PEORIA
City	New Lennox	New Calumet Park	Wilmington	Joliet	Joliet	Wilmington	Braewood	Pontiac	Pontiac	Pontiac	Pontiac	Morkhan	East Dunder	Chicago	Peoria	warton	Peoria	Peoria	Peoria	Peoria	Peoria	Peoria	Peoria	Peoria
Urban or Rural (RAC)	1	1	1	1	1	1	1	4	4	4	4	4	1	1	2	2	2	2	2	2	2	2	2	2
Load Weight (tons)	2.00	2.00	2.00	2.00	5.00	2.00	2.00	2.71	1.92	1.48	10.45	18.89	17.15	21.43	6.74	3.03	3.46	1.08	1.19	5.63	0.40	2.00	11.01	6.28
Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.03	0.00	0.02	0.00	0.05	0.20	0.02	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.15
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.15
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.03	0.00	0.02	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Organics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Woody	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.00
C&D	1.97	2.00	1.98	2.00	4.95	1.80	1.98	2.64	1.92	1.47	10.45	18.89	17.15	0.00	6.63	2.99	2.16	1.05	0.86	5.63	0.40	2.00	5.57	6.13
Clean Dimensional Lumber	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.02	0.00	2.53	0.00
Clean Engineered Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.31	0.00
Wood Pallets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63
Painted Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
Treated Wood	0.01	0.58	0.03	2.00	3.09	0.21	0.04	0.00	0.00	0.00	0.00	18.89	17.15	0.00	2.18	0.56	0.00	0.00	0.00	0.00	0.00	0.00	2.35	3.78
Concrete	1.75	0.49	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.63	0.00	0.80	0.69	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bricks	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gypsum Board	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.53	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Composition Shingles	0.00	0.00	1.95	0.00	1.13	1.59	1.95	1.61	0.67	1.33	10.12	0.00	0.00	0.00	3.79	0.90	0.00	1.03	0.00	0.00	0.38	0.00	0.00	0.00
Other Roofing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastic C&D materials	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.00	0.29	0.00	0.00	0.69	0.00	0.00	0.49	0.00	0.05	0.33	0.00	0.00	0.00	0.67	0.52	1.53	0.03	0.46	0.00	0.00	0.79	0.00	1.72
Inorganics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Carpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**2.00**	**2.00**	**2.00**	**2.00**	**5.00**	**2.00**	**2.00**	**2.71**	**1.92**	**1.48**	**10.45**	**18.89**	**17.15**	**21.43**	**6.74**	**3.03**	**3.46**	**1.08**	**1.19**	**5.63**	**0.40**	**2.00**	**11.01**	**6.28**

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	10/15/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/20/2008	10/21/2008	10/21/2008	10/21/2008	10/21/2008	10/21/2008	10/21/2008	10/21/2008	10/21/2008	10/22/2008	10/22/2008
Sample_ID	FICI4	GC+D1	GC+D2	GC+D3	GC+D4	GC+D5	HC+D1	HC+D2	HC+D3	HC+D4	HC+D5	HC+D6	HC+D7	HC+F8	IC+D1	IC+D2	IC+D3	IC+D4	IC+D5	IC+D6	IC+D7	IC+D8	JC+D1	JC+D2
County	PEORIA	KNOX	KNOX	KNOX	EFFINGHAM	KNOX	SANGAMON	SANGAMON	SANGAMON	SANGAMON	SANGAMON	SANGAMON	SANGAMON	SANGAMON	COLES	COLES	COLES	COLES	COLES	COLES	COLES	COLES	MACON	MACON
City	PEORIA	Mamoth	Galesburg	Mamoth	Watson	Galesburg	Springfield	Springfield	Springfield	Springfield	Springfield	Springfield	Springfield	Springfield	Charleston	Charleston	Charleston	Charleston	Charleston	Charleston	Charleston	Charleston	Decatur	Decatur
Urban or Rural (RAC)	2	4	4	4	7	4	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	3	3
Load Weight (tons)	2.13	1.98	1.17	2.10	0.81	3.45	10.20	19.03	14.65	5.11	2.42	7.06	4.34	4.27	2.20	9.46	5.24	4.42	0.83	1.36	3.36	4.28	9.25	2.73
Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.08	0.46	0.00	0.00	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.08	0.46	0.00	0.00	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.01	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.11	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.11	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Organics	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00
Yard Waste - Woody	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C&D	2.01	1.55	1.17	2.10	0.81	2.97	9.84	18.94	13.84	5.09	1.74	4.80	4.01	4.10	1.68	9.35	5.24	4.39	0.83	1.13	0.00	1.98	8.98	2.73
Clean Dimensional Lumber	0.00	1.15	0.00	0.49	0.00	0.13	4.55	0.00	3.38	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clean Engineered Wood	0.23	0.00	0.00	0.00	0.00	0.13	4.77	0.00	2.37	0.00	0.25	4.80	0.11	0.10	0.09	0.00	0.07	0.47	0.03	0.00	0.00	0.00	0.00	0.00
Wood Pallets	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Painted Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Treated Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.53	0.00	0.00	0.00	0.00	0.87	0.00	0.43	0.05	1.13	0.00	1.98	0.00	2.73
Concrete	0.64	0.00	1.17	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.94	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00	0.00	0.00
Bricks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gypsum Board	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Composition Shingles	1.14	0.00	0.00	0.64	0.00	0.00	0.00	0.00	5.93	0.00	0.00	0.00	3.91	3.90	0.00	4.78	4.96	0.00	0.00	0.00	0.00	0.00	8.98	0.00
Other Roofing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastic C&D materials	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.00	0.31	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.17	1.62	0.75	0.00	0.00	0.00	0.00	0.00
Inorganics	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - □not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.04	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.11	0.37	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	1.51	0.00	0.00	0.00
Carpet	0.04	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.11	0.37	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.09	0.81	0.02	0.57	1.89	0.30	0.15	0.00	0.00	0.00	0.00	0.00	0.12	1.31	0.59	0.27	0.00
Total	**2.13**	**1.98**	**1.17**	**2.10**	**0.81**	**3.45**	**10.20**	**19.03**	**14.65**	**5.11**	**2.42**	**7.06**	**4.34**	**4.27**	**2.20**	**9.46**	**5.24**	**4.42**	**0.83**	**1.36**	**3.36**	**4.28**	**9.25**	**2.73**

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	10/22/2008	10/22/2008	10/22/2008	10/22/2008	10/22/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/23/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008	10/27/2008
Sample_ID	JC+D3	JC+D4	JC+D5	JC+D6	JC+D7	KC+D1	KC+D2	KC+D3	KC+D4	KC+D5	KC+D6	KC+D7	KC+D8	KC+D9	KC+D10	LC+D1	LC+D2	LC+D3	LC+D4	LC+D5	LC+D6	LC+D7	LC+D8	LC+D9
County	MACON	MACON	MACON	MACON	MACON	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	MADISON	MADISON	MADISON	MADISON	MADISON	MADISON	MADISON	MADISON	MADISON
City	Decatur	Decatur	Decatur	Decatur	Decatur	Champaign	Champaign	Champaign	Champaign	Champaign	Champaign	Champaign	Champaign	Champaign	Champaign	Alton	Spanish Lake	wood river	wood river	Alton	wood river	venice	hartford	venice
Urban or Rural (RAC)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1
Load Weight (tons)	0.83	4.88	1.89	7.52	1.45	3.60	1.89	7.07	1.48	1.68	4.16	0.33	2.00	1.51	4.90	8.78	1.94	7.65	8.95	8.17	1.53	2.83	2.07	9.97
Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.13	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.13	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.02	0.05	0.00	0.00
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.00	0.00
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Organics	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.63	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Woody	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C&D	0.74	4.53	1.78	6.61	1.39	3.60	1.85	7.07	1.48	1.64	4.16	0.31	1.89	0.75	4.65	8.78	1.94	7.65	8.73	8.17	1.36	2.78	1.99	9.97
Clean Dimensional Lumber	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.04	0.00	0.00	0.00	0.29	0.45	0.00	0.00
Clean Engineered Wood	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.12	0.18	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.47	0.12	0.00
Wood Pallets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.02	0.04	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
Painted Wood	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.22	0.00
Treated Wood	0.18	0.31	1.00	0.00	0.45	0.00	0.00	0.46	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.64	0.43	0.00
Concrete	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	8.73	6.16	0.00	0.00	0.92	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	7.65	0.00	2.01	0.00	0.00	0.00	0.00
Bricks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gypsum Board	0.55	0.00	0.00	6.61	0.31	3.53	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	2.90	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Composition Shingles	0.00	0.00	0.78	0.00	0.00	0.00	0.16	0.00	0.00	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.90	0.30	0.00
Other Roofing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00	0.32	0.00	9.77
Plastic C&D materials	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.00	0.00	0.00	0.00	0.57	0.07	0.55	6.15	0.32	1.19	0.28	0.06	0.00	0.42	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Inorganics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.04	0.00	0.00	0.00
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
Carpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.09	0.35	0.11	0.91	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.00	0.00
Total	**0.83**	**4.88**	**1.89**	**7.52**	**1.45**	**3.60**	**1.89**	**7.07**	**1.48**	**1.68**	**4.16**	**0.33**	**2.00**	**1.51**	**4.90**	**8.78**	**1.94**	**7.65**	**8.95**	**8.17**	**1.53**	**2.83**	**2.07**	**9.97**

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/29/2008	10/29/2008	10/29/2008	10/29/2008	10/30/2008	10/30/2008	10/30/2008	11/3/2008	11/3/2008	11/3/2008	11/3/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008	11/4/2008
Sample_ID	MC+D1	MC+D2	MC+D3	MC+D4	MC+D5	MC+D6	NC+D1	NC+D2	NC+D3	NC+D4	OC+D1	OC+D2	OC+D3	PC+D2	PC+D3	PC+D4	PC+D8	PC+D18	PC+D11	PC+D12	PC+D13	PC+D14	PC+D16	PC+D17
County	MACON	MACON	UNION	Jackson	Jackson	franklin	CLAY	CLAY	CLAY	WAYNE	MADISON	Bond	Bond	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	COOK
City	DuQuin	DuQuin	anna	-	-	-	flora	flora	flora	Fairfield	highland	-	-	Great Lakes	Waukegan	Watsworth	Zion	Vernon Hills	Zion	Antioch	Waukegan	Vernon Hills	Chicago/ Great La	Wheeling
Urban or Rural (RAC)	3	3	7	5	5	5	7	7	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Load Weight (tons)	2.30	6.62	7.93	1.86	3.05	7.77	8.41	6.77	10.31	1.85	2.13	4.08	2.70	1.33	0.36	3.38	3.42	2.91	0.33	2.93	4.14	2.16	2.36	0.82
Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.16	0.01	0.17	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.16	0.01	0.17	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.00	0.00	0.05	0.07	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.00	0.00	0.05	0.07	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Organics	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Woody	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C&D	2.06	5.51	7.42	1.71	2.70	7.77	7.98	6.72	10.16	1.85	2.13	3.89	1.80	1.16	0.34	3.21	3.42	2.85	0.33	2.93	4.14	2.16	2.36	0.82
Clean Dimensional Lumber	0.25	0.31	0.00	0.10	0.00	1.30	0.00	0.43	0.00	0.38	2.13	0.00	0.15	0.16	0.00	0.00	0.00	0.14	0.00	0.23	3.92	0.17	0.18	0.13
Clean Engineered Wood	0.00	0.00	0.21	1.61	0.00	1.37	0.00	0.20	0.00	0.20	0.00	0.00	0.63	0.34	0.09	1.85	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
Wood Pallets	0.09	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Painted Wood	0.00	0.65	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Treated Wood	0.00	3.73	0.63	0.00	0.64	0.00	1.74	0.37	0.00	0.91	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	0.04	1.10	0.00	0.81	0.89	0.00
Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bricks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gypsum Board	1.17	0.00	0.00	0.00	0.00	0.00	5.26	3.58	0.00	0.00	0.00	0.00	0.00	0.28	0.25	0.00	0.00	0.00	0.00	1.60	0.00	1.18	1.29	0.69
Composition Shingles	0.00	0.81	6.23	0.00	1.75	0.00	0.00	2.14	10.16	0.00	0.00	3.74	0.00	0.00	0.00	0.00	3.25	2.71	0.29	0.00	0.00	0.00	0.00	0.00
Other Roofing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastic C&D materials	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.54	0.00	0.35	0.00	0.31	3.16	0.98	0.00	0.00	0.00	0.00	0.14	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Inorganics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carpet	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.24	0.71	0.46	0.07	0.07	0.00	0.43	0.00	0.15	0.00	0.00	0.19	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**2.30**	**6.62**	**7.93**	**1.86**	**3.05**	**7.77**	**8.41**	**6.77**	**10.31**	**1.85**	**2.13**	**4.08**	**2.70**	**1.33**	**0.36**	**3.38**	**3.42**	**2.91**	**0.33**	**2.93**	**4.14**	**2.16**	**2.36**	**0.82**

Appendix B
C&D Waste Characterization Sample Data
(Data Shown in Tons)

Date	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/5/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/14/2008	11/14/2008	11/14/2008
Sample_ID	QC+D1	QC+D2	QC+D3	QC+D4	QC+D5	QC+D6	QC+D7	QC+D8	QC+D9	QC+D10	QC+D11	QC+D12	QC+D13	QC+D14	QC+D15	QICI1	RC+D1	RC+D2	RC+D3	RC+D4	RRES2	S+ICI4	SC+D1	SC+D2
County	LAKE	LAKE	LAKE	Cook	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	LAKE	WINNEBAGO	WINNEBAGO	WINNEBAGO	WINNEBAGO	MADISON	CASS	MORGAN	brown
City	-	-	-	-	Ingleside	McHenry	-	-	-	-	-	-	-	-	-	-	Rockford	Rockford	Rockford	Rockford	ROxANA	BEARDSTOWN	morgan	-
Urban or Rural (RAC)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	6	4	7
Load Weight (tons)	2.18	2.82	0.66	16.88	1.34	3.59	0.41	5.01	1.57	1.48	5.87	2.53	2.00	1.15	1.78	2.42	1.56	2.39	1.77	2.21	1.31	1.17	5.04	3.77
Paper	0.00	0.01	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.04	0.44	0.00	0.00	1.02	0.03	0.02	0.00	0.00	0.01	0.01	0.00
Newsprint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Grade Office Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magazines/Catalogs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncoated OCC/Kraft	0.00	0.01	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.14	0.00	0.00	0.04	0.44	0.00	0.00	0.99	0.03	0.02	0.00	0.00	0.01	0.01	0.00
Boxboard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Paper - Recyclable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compostable Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk and Juice cartons/boxes, coated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plastics	0.00	0.00	0.01	0.00	0.00	2.73	0.00	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.08
#1 PET Bottles/Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#1 Other PET Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - clear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 HDPE Bottles/Jars - color	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#2 Other HDPE Containers & Packaging	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#6 Expanded Polystyrene Packaging (EPS)	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
#3-#7 Other - all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Rigid Plastic Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
Grocery & Merchandise Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trash Bags	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial & Industrial Film	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Film	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remainder/ Composite Plastic	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recyclable Glass Bottles and Jars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flat Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Glass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.05	0.00	0.08	0.03	0.00	0.86	0.00	0.00	0.00	0.14
Aluminum Beverage Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.14
HVAC Ducting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ferrous containers (tin cans)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Ferrous	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
Other Non-Ferrous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Metal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Organics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00
Yard Waste - Compostable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yard Waste - Woody	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food Scraps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Bottom Fines and Dirt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00
C&D	2.18	2.75	0.65	16.88	1.29	0.00	0.41	4.99	1.56	1.34	5.84	2.53	1.96	0.45	1.71	0.00	0.00	2.33	1.75	1.34	1.31	0.00	4.83	1.67
Clean Dimensional Lumber	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.56	0.00	0.00	0.09	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clean Engineered Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
Wood Pallets	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Painted Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	1.10	0.00	0.90	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.64	0.00
Treated Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67
Concrete	0.00	0.00	0.00	16.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reinforced Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock & Other Aggregates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bricks	0.00	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gypsum Board	0.00	0.27	0.00	0.00	0.00	0.00	0.41	0.91	0.29	0.49	0.00	0.00	0.00	0.45	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Composition Shingles	2.18	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.53	1.87	0.00	0.00	0.00	0.00	2.33	1.75	0.00	1.31	0.00	0.00	0.00
Other Roofing	0.00	0.00	0.49	0.00	1.26	0.00	0.00	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.19	0.00
Plastic C&D materials	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
Ceramics/Porcelain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
Inorganics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.14	0.91
Televisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Monitors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Computer Equipment/Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electronic Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods - □not refrigerated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead-acid Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Household Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Household Bulky Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.14	0.91
Fluorescent Lights/Ballasts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Latex Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oil Paint	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plant/Organism/Pest Control/Growth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Used Oil/Filters	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Automotive Fluids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercury-Containing Items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharps & Infectious Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash, Sludge, & Other Industrial Processed Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Solids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other HHW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56
Carpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56
Carpet Padding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clothing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.42
Total	**2.18**	**2.82**	**0.66**	**16.88**	**1.34**	**3.59**	**0.41**	**5.01**	**1.57**	**1.48**	**5.87**	**2.53**	**2.00**	**1.15**	**1.78**	**0.00**	**1.56**	**2.39**	**1.77**	**2.21**	**1.31**	**1.17**	**5.04**	**3.77**

Appendix C
Generation Results

Appendix C
Regional Generation Results

Region 1 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)
Paper	***722.1***	***304,760***
Newsprint	87.2	36,810
High Grade Office Paper	40.3	17,000
Magazines/Catalogs	69.4	29,300
Uncoated OCC/Kraft	317.3	133,920
Boxboard	40.5	17,110
Mixed Paper - Recyclable	71.2	30,070
Compostable Paper	73.9	31,180
Other Paper	22.2	9,370
Beverage Containers	***5.4***	***2,260***
Milk & Juice Cartons/Boxes - Coated	5.4	2,260
Plastic	***316.8***	***133,720***
#1 PET Bottles/Jars	25.6	10,820
#1 Other PET Containers	2.2	910
#2 HDPE Bottles/Jars - Clear	10.0	4,240
#2 HDPE Bottles/Jars - Color	14.6	6,160
#2 Other HDPE Containers	2.1	890
#6 Exp. Polystyrene Packaging	17.4	7,360
#3-#7 Other - All	17.6	7,420
Other Rigid Plastic Products	91.2	38,500
Grocery & Merchandise Bags	11.3	4,750
Trash Bags	25.8	10,900
Commercial & Industrial Film	30.2	12,750
Other Film	30.3	12,770
Other Plastic	38.5	16,250
Glass	***86.2***	***36,380***
Recyclable Glass Bottles & Jars	80.9	34,160
Flat Glass	3.8	1,600
Other Glass	1.5	620
Metal	***138.2***	***58,310***
Aluminum Beverage Containers	15.6	6,600
Other Aluminum	13.0	5,470
HVAC Ducting	0.7	290
Ferrous Containers (Tin Cans)	27.0	11,380

	Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	23,320
Other Non-Ferrous	5.2	2,180
Other Metal	21.5	9,070
Organics	***511.9***	***216,060***
Yard Waste - Compostable	73.3	30,940
Yard Waste - Woody	67.3	28,400
Food Scraps	244.0	102,980
Bottom Fines & Dirt	20.0	8,460
Diapers	46.7	19,730
Other Organic	60.5	25,550
Inorganics	***136.4***	***57,610***
Televisions	6.5	2,740
Computer Monitors	4.6	1,940
Computer Equipment/Peripherals	5.2	2,210
Electronic Equipment	24.2	10,220
White Goods - Refrigerated	8.7	3,660
White Goods - Not refrigerated	19.0	8,000
Lead-acid Batteries	16.0	6,750
Other Household Batteries	1.1	450
Tires	29.0	12,230
Household Bulky Items	22.2	9,390
Fluorescent Lights/Ballasts	<0.1	20
Textiles	***155.0***	***65,420***
Carpet	38.8	16,360
Carpet Padding	5.7	2,400
Clothing	46.5	19,620
Other Textiles	64.1	27,040
Household Hazardous Waste	***28.7***	***12,100***
Construction and Demolition Debris (C&D)	***654.3***	***276,150***
Total MSW (tons)		***1,162,770***
Total MSW (pounds/person/day)		***7.55***

2007 population 844,149

Boone, Bureau, Carroll, DeKalb, Jo Daviess, LaSalle, Lee, Ogle, Putnam, Stephenson, Whiteside, Winnebago Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 2 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)		Generation (lb/c/yr)	Total Generation (tons)
Paper	***886.2***	***3,841,550***	***Metal***		
Newsprint	158.8	688,190	Other Ferrous	55.2	239,430
High Grade Office Paper	48.2	208,910	Other Non-Ferrous	5.1	22,220
Magazines/Catalogs	64.6	279,890	Other Metal	21.5	93,160
Uncoated OCC/Kraft	406.8	1,763,460			
Boxboard	40.6	175,870	***Organics***	***568.4***	***2,463,980***
Mixed Paper - Recyclable	71.3	308,870	Yard Waste - Compostable	73.3	317,880
Compostable Paper	73.9	320,280	Yard Waste - Woody	67.3	291,760
Other Paper	22.2	96,080	Food Scraps	300.5	1,302,420
			Bottom Fines & Dirt	20.0	86,830
Beverage Containers	***5.4***	***23,240***	Diapers	46.8	202,740
Milk & Juice Cartons/Boxes - Coated	5.4	23,240	Other Organic	60.5	262,350
Plastic	***339.0***	***1,469,640***	***Inorganics***	***136.6***	***592,120***
#1 PET Bottles/Jars	25.6	111,060	Televisions	6.5	28,260
#1 Other PET Containers	2.2	9,340	Computer Monitors	4.6	19,890
#2 HDPE Bottles/Jars - Clear	10.0	43,480	Computer Equipment/Peripherals	5.3	22,760
#2 HDPE Bottles/Jars - Color	14.6	63,180	Electronic Equipment	24.2	105,100
#2 Other HDPE Containers	2.0	8,830	White Goods - Refrigerated	8.6	37,360
#6 Exp. Polystyrene Packaging	20.1	87,320	White Goods - Not refrigerated	19.0	82,260
#3-#7 Other - All	20.4	88,360	Lead-acid Batteries	16.0	69,370
Other Rigid Plastic Products	91.2	395,390	Other Household Batteries	1.1	4,590
Grocery & Merchandise Bags	13.6	59,110	Tires	29.0	125,630
Trash Bags	25.8	112,010	Household Bulky Items	22.2	96,410
Commercial & Industrial Film	36.6	158,580	Fluorescent Lights/Ballasts	0.1	490
Other Film	30.3	131,190			
Other Plastic	46.6	201,790	***Textiles***	***178.5***	***773,610***
			Carpet	38.7	167,930
Glass	***86.2***	***373,860***	Carpet Padding	5.7	24,730
Recyclable Glass Bottles & Jars	80.9	350,770	Clothing	56.3	244,210
Flat Glass	3.8	16,540	Other Textiles	77.7	336,740
Other Glass	1.5	6,550			
			Household Hazardous Waste	***28.8***	***124,870***
Metal	***138.2***	***598,950***			
Aluminum Beverage Containers	15.7	67,980	***Construction and Demolition Debris (C&D)***	***665.4***	***2,884,350***
Other Aluminum	13.0	56,320			
HVAC Ducting	0.7	2,840	***Total MSW (tons)***		***13,146,170***
Ferrous Containers (Tin Cans)	27.0	117,000	***Total MSW (pounds/person/day)***		***8.31***

2007 population 8,669,757

Cook, DuPage, Grundy, Kane, Kankakee, Kendall, Lake, McHenry, Will Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 3 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)
Paper	***760.8***	***285,000***
Newsprint	91.9	34,440
High Grade Office Paper	43.7	16,380
Magazines/Catalogs	69.1	25,870
Uncoated OCC/Kraft	348.3	130,490
Boxboard	40.6	15,190
Mixed Paper - Recyclable	71.2	26,690
Compostable Paper	73.8	27,660
Other Paper	22.1	8,280
Beverage Containers	***5.4***	***2,010***
Milk & Juice Cartons/Boxes - Coated	5.4	2,010
Plastic	***312.6***	***117,110***
#1 PET Bottles/Jars	25.6	9,590
#1 Other PET Containers	2.2	810
#2 HDPE Bottles/Jars - Clear	10.0	3,750
#2 HDPE Bottles/Jars - Color	14.6	5,470
#2 Other HDPE Containers	2.1	770
#6 Exp. Polystyrene Packaging	17.0	6,350
#3-#7 Other - All	17.2	6,450
Other Rigid Plastic Products	91.2	34,160
Grocery & Merchandise Bags	10.8	4,060
Trash Bags	25.8	9,660
Commercial & Industrial Film	29.0	10,860
Other Film	30.2	11,320
Other Plastic	37.0	13,860
Glass	***86.1***	***32,270***
Recyclable Glass Bottles & Jars	80.9	30,300
Flat Glass	3.8	1,410
Other Glass	1.5	560
Metal	***138.2***	***51,770***
Aluminum Beverage Containers	15.8	5,900
Other Aluminum	13.0	4,870
HVAC Ducting	0.7	250
Ferrous Containers (Tin Cans)	26.9	10,090

	Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	20,680
Other Non-Ferrous	5.1	1,920
Other Metal	21.5	8,060
Organics	***538.3***	***201,650***
Yard Waste - Compostable	73.3	27,460
Yard Waste - Woody	67.3	25,220
Food Scraps	270.3	101,250
Bottom Fines & Dirt	20.0	7,510
Diapers	46.8	17,520
Other Organic	60.6	22,690
Inorganics	***136.4***	***51,140***
Televisions	6.5	2,430
Computer Monitors	4.6	1,710
Computer Equipment/Peripherals	5.3	1,970
Electronic Equipment	24.3	9,100
White Goods - Refrigerated	8.6	3,240
White Goods - Not refrigerated	19.0	7,110
Lead-acid Batteries	16.0	5,980
Other Household Batteries	1.1	410
Tires	28.9	10,840
Household Bulky Items	22.2	8,320
Fluorescent Lights/Ballasts	<0.1	30
Textiles	***150.9***	***56,540***
Carpet	38.8	14,540
Carpet Padding	5.7	2,120
Clothing	44.7	16,760
Other Textiles	61.7	23,120
Household Hazardous Waste	***28.7***	***10,750***
Construction and Demolition Debris (C&D)	***652.5***	***244,430***
Total MSW (tons)		***1,052,670***
Total MSW (pounds/person/day)		***7.70***

2007 population 749,197

Fulton, Hancock, Henderson, Henry, Know, Marshall, McDonough, Mercer, Peoria, Rock Island, Stark, Tazewell, Warren, and Woodford Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 4 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)
Paper	***727.8***	***319,130***
Newsprint	88.7	38,890
High Grade Office Paper	40.3	17,650
Magazines/Catalogs	68.2	29,890
Uncoated OCC/Kraft	322.8	141,550
Boxboard	40.6	17,780
Mixed Paper - Recyclable	71.3	31,250
Compostable Paper	73.8	32,380
Other Paper	22.2	9,740
Beverage Containers	***5.4***	***2,350***
Milk & Juice Cartons/Boxes - Coated	5.4	2,350
Plastic	***310.4***	***136,100***
#1 PET Bottles/Jars	25.6	11,220
#1 Other PET Containers	2.2	950
#2 HDPE Bottles/Jars - Clear	10.0	4,370
#2 HDPE Bottles/Jars - Color	14.6	6,380
#2 Other HDPE Containers	2.0	890
#6 Exp. Polystyrene Packaging	16.6	7,290
#3-#7 Other - All	16.8	7,380
Other Rigid Plastic Products	91.2	39,970
Grocery & Merchandise Bags	10.6	4,640
Trash Bags	25.8	11,310
Commercial & Industrial Film	28.5	12,500
Other Film	30.3	13,300
Other Plastic	36.3	15,900
Glass	***86.2***	***37,810***
Recyclable Glass Bottles & Jars	80.9	35,490
Flat Glass	3.8	1,680
Other Glass	1.5	640
Metal	***138.3***	***60,620***
Aluminum Beverage Containers	15.7	6,880
Other Aluminum	13.0	5,710
HVAC Ducting	0.7	300
Ferrous Containers (Tin Cans)	27.0	11,840

	Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	24,220
Other Non-Ferrous	5.2	2,260
Other Metal	21.5	9,410
Organics	***527.9***	***231,470***
Yard Waste - Compostable	73.3	32,160
Yard Waste - Woody	67.3	29,520
Food Scraps	259.9	113,970
Bottom Fines & Dirt	20.0	8,790
Diapers	46.7	20,490
Other Organic	60.5	26,540
Inorganics	***136.5***	***59,860***
Televisions	6.5	2,830
Computer Monitors	4.6	2,010
Computer Equipment/Peripherals	5.2	2,300
Electronic Equipment	24.2	10,620
White Goods - Refrigerated	8.6	3,760
White Goods - Not refrigerated	19.0	8,330
Lead-acid Batteries	16.0	7,010
Other Household Batteries	1.1	490
Tires	29.0	12,720
Household Bulky Items	22.3	9,770
Fluorescent Lights/Ballasts	<0.1	20
Textiles	***148.8***	***65,240***
Carpet	38.7	16,990
Carpet Padding	5.7	2,480
Clothing	43.9	19,250
Other Textiles	60.5	26,520
Household Hazardous Waste	***28.6***	***12,550***
Construction and Demolition Debris (C&D)	***651.4***	***285,600***
Total MSW (tons)		***1,210,730***
Total MSW (pounds/person/day)		***7.57***

2007 population 876,924

Champaign, Clark, Coles, Crawford, Cumberland, DeWitt, Couglas, Edgar, Effingham, Ford, Iroquois, Jasper, Livingston, Macon, McLean, Moultrie, Piatt, Shelby, Vermilion Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 5 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)
Paper	***726.9***	***202,560***
Newsprint	78.4	21,850
High Grade Office Paper	38.4	10,700
Magazines/Catalogs	69.7	19,420
Uncoated OCC/Kraft	332.5	92,660
Boxboard	40.6	11,310
Mixed Paper - Recyclable	71.3	19,860
Compostable Paper	73.9	20,590
Other Paper	22.1	6,170
Beverage Containers	***5.3***	***1,480***
Milk & Juice Cartons/Boxes - Coated	5.3	1,480
Plastic	***311.2***	***86,730***
#1 PET Bottles/Jars	25.6	7,140
#1 Other PET Containers	2.2	600
#2 HDPE Bottles/Jars - Clear	10.0	2,800
#2 HDPE Bottles/Jars - Color	14.6	4,060
#2 Other HDPE Containers	2.1	590
#6 Exp. Polystyrene Packaging	16.7	4,650
#3-#7 Other - All	16.8	4,680
Other Rigid Plastic Products	91.3	25,430
Grocery & Merchandise Bags	10.7	2,990
Trash Bags	25.9	7,230
Commercial & Industrial Film	28.6	7,970
Other Film	30.3	8,430
Other Plastic	36.5	10,160
Glass	***86.3***	***24,040***
Recyclable Glass Bottles & Jars	80.9	22,550
Flat Glass	3.8	1,070
Other Glass	1.5	420
Metal	***138.0***	***38,460***
Aluminum Beverage Containers	15.7	4,370
Other Aluminum	13.0	3,610
HVAC Ducting	0.6	160
Ferrous Containers (Tin Cans)	27.0	7,520

	Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	15,360
Other Non-Ferrous	5.2	1,440
Other Metal	21.5	6,000
Organics	***521.7***	***145,390***
Yard Waste - Compostable	73.4	20,440
Yard Waste - Woody	67.3	18,760
Food Scraps	253.7	70,710
Bottom Fines & Dirt	20.0	5,570
Diapers	46.7	13,010
Other Organic	60.6	16,900
Inorganics	***136.4***	***38,020***
Televisions	6.5	1,810
Computer Monitors	4.6	1,270
Computer Equipment/Peripherals	5.3	1,470
Electronic Equipment	24.2	6,730
White Goods - Refrigerated	8.6	2,410
White Goods - Not refrigerated	18.9	5,280
Lead-acid Batteries	16.0	4,460
Other Household Batteries	1.1	310
Tires	29.0	8,070
Household Bulky Items	22.2	6,200
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***149.2***	***41,570***
Carpet	38.8	10,810
Carpet Padding	5.6	1,560
Clothing	44.0	12,270
Other Textiles	60.8	16,930
Household Hazardous Waste	***28.6***	***7,960***
Construction and Demolition Debris (C&D)	***651.4***	***181,530***
Total MSW (tons)		***767,740***
Total MSW (pounds/person/day)		***7.55***

2007 population 557,324

Adams, Brown, Calhoun, Cass, Christian, Greene, Jersey, Logan, Macoupin, Mason, Menard, Montgomery, Morgan, Pike, Sangamon, Schuyler, Scott Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 6 Municipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)
Paper	***718.6***	***260,200***
Newsprint	92.1	33,330
High Grade Office Paper	37.6	13,610
Magazines/Catalogs	67.9	24,570
Uncoated OCC/Kraft	313.3	113,430
Boxboard	40.6	14,690
Mixed Paper - Recyclable	71.2	25,790
Compostable Paper	73.9	26,760
Other Paper	22.1	8,020
Beverage Containers	***5.4***	***1,960***
Milk & Juice Cartons/Boxes - Coated	5.4	1,960
Plastic	***315.7***	***114,310***
#1 PET Bottles/Jars	25.6	9,270
#1 Other PET Containers	2.2	780
#2 HDPE Bottles/Jars - Clear	10.0	3,620
#2 HDPE Bottles/Jars - Color	14.6	5,290
#2 Other HDPE Containers	2.0	740
#6 Exp. Polystyrene Packaging	17.3	6,280
#3-#7 Other - All	17.5	6,350
Other Rigid Plastic Products	91.2	33,030
Grocery & Merchandise Bags	11.2	4,040
Trash Bags	25.8	9,350
Commercial & Industrial Film	29.9	10,820
Other Film	30.2	10,950
Other Plastic	38.1	13,790
Glass	***86.2***	***31,220***
Recyclable Glass Bottles & Jars	80.9	29,300
Flat Glass	3.8	1,380
Other Glass	1.5	540
Metal	***138.2***	***50,050***
Aluminum Beverage Containers	15.7	5,690
Other Aluminum	13.0	4,720
HVAC Ducting	0.7	240
Ferrous Containers (Tin Cans)	27.0	9,770

	Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	19,990
Other Non-Ferrous	5.1	1,860
Other Metal	21.5	7,780
Organics	***534.9***	***193,680***
Yard Waste - Compostable	73.3	26,550
Yard Waste - Woody	67.3	24,370
Food Scraps	266.9	96,630
Bottom Fines & Dirt	20.1	7,270
Diapers	46.8	16,940
Other Organic	60.5	21,920
Inorganics	***136.5***	***49,450***
Televisions	6.5	2,370
Computer Monitors	4.6	1,650
Computer Equipment/Peripherals	5.3	1,920
Electronic Equipment	24.2	8,780
White Goods - Refrigerated	8.6	3,120
White Goods - Not refrigerated	19.0	6,880
Lead-acid Batteries	16.0	5,790
Other Household Batteries	1.1	390
Tires	28.9	10,480
Household Bulky Items	22.2	8,050
Fluorescent Lights/Ballasts	<0.1	20
Textiles	***154.0***	***55,750***
Carpet	38.7	14,030
Carpet Padding	5.7	2,080
Clothing	46.0	16,660
Other Textiles	63.5	22,980
Household Hazardous Waste	***28.8***	***10,410***
Construction and Demolition Debris (C&D)	***653.9***	***236,750***
Total MSW (tons)		***1,003,780***
Total MSW (pounds/person/day)		***7.60***

2007 population 724,170

Bond, Clinton, Fayette, Madison, Marion, Monroe, Randolph, St. Clair, Washington Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Region 7 Muncipal Solid Waste (MSW) Generation

	Generation (lb/c/yr)	Total Generation (tons)		Generation (lb/c/yr)	Total Generation (tons)
Paper	***654.4***	***141,030***	***Metal***		
Newsprint	67.8	14,620	Other Ferrous	55.2	11,890
High Grade Office Paper	30.9	6,660	Other Non-Ferrous	5.2	1,120
Magazines/Catalogs	66.4	14,310	Other Metal	21.4	4,620
Uncoated OCC/Kraft	281.7	60,700			
Boxboard	40.6	8,750	***Organics***	***500.6***	***107,890***
Mixed Paper - Recyclable	71.2	15,350	Yard Waste - Compostable	73.4	15,810
Compostable Paper	73.7	15,880	Yard Waste - Woody	67.2	14,490
Other Paper	22.1	4,760	Food Scraps	232.7	50,140
			Bottom Fines & Dirt	20.1	4,330
Beverage Containers	***5.4***	***1,160***	Diapers	46.7	10,060
Milk & Juice Cartons/Boxes - Coated	5.4	1,160	Other Organic	60.6	13,060
Plastic	***290.3***	***62,560***	***Inorganics***	***136.3***	***29,370***
#1 PET Bottles/Jars	25.6	5,520	Televisions	6.4	1,390
#1 Other PET Containers	2.1	460	Computer Monitors	4.5	980
#2 HDPE Bottles/Jars - Clear	9.9	2,140	Computer Equipment/Peripherals	5.2	1,130
#2 HDPE Bottles/Jars - Color	14.5	3,130	Electronic Equipment	24.2	5,220
#2 Other HDPE Containers	2.1	460	White Goods - Refrigerated	8.7	1,880
#6 Exp. Polystyrene Packaging	14.2	3,070	White Goods - Not refrigerated	18.9	4,080
#3-#7 Other - All	14.4	3,110	Lead-acid Batteries	16.0	3,450
Other Rigid Plastic Products	91.2	19,650	Other Household Batteries	1.0	210
Grocery & Merchandise Bags	8.4	1,810	Tires	29.0	6,250
Trash Bags	25.8	5,570	Household Bulky Items	22.2	4,780
Commercial & Industrial Film	22.7	4,900	Fluorescent Lights/Ballasts		<1
Other Film	30.3	6,540			
Other Plastic	28.8	6,200	***Textiles***	***127.7***	***27,520***
			Carpet	38.7	8,330
Glass	***86.2***	***18,570***	Carpet Padding	5.5	1,190
Recyclable Glass Bottles & Jars	81.0	17,450	Clothing	35.1	7,560
Flat Glass	3.8	820	Other Textiles	48.4	10,440
Other Glass	1.4	300			
			Household Hazardous Waste	***28.5***	***6,150***
Metal	***137.9***	***29,730***			
Aluminum Beverage Containers	15.7	3,380	***Construction and Demolition Debris (C&D)***	***641.5***	***138,250***
Other Aluminum	13.0	2,800			
HVAC Ducting	0.6	120	***Total MSW (tons)***		***562,230***
Ferrous Containers (Tin Cans)	26.9	5,800	***Total MSW (pounds/person/day)***		***7.15***

2007 population 431,027

Alexander, Clay, Edwards, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jefferson, Johnson, Lawrence, Massac, Perry, Pope, Pulaski, Richland, Saline, Union, Wabash, Wayne, White, Williamson Counties.

Source: County MSW Generation Appendix Tables (2007 data)

Appendix C
County Generation Results

Adams County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***861.2***	***28,870***
Newsprint	71.0	2,380
High Grade Office Paper	50.7	1,700
Magazines/Catalogs	69.8	2,340
Uncoated OCC/Kraft	461.8	15,480
Boxboard	40.6	1,360
Mixed Paper - Recyclable	71.3	2,390
Compostable Paper	74.0	2,480
Other Paper	22.1	740
Beverage Containers	***5.4***	***180***
Milk & Juice Cartons/Boxes - Coated	5.4	180
Plastic	***305.2***	***10,230***
#1 PET Bottles/Jars	25.7	860
#1 Other PET Containers	2.1	70
#2 HDPE Bottles/Jars - Clear	10.1	340
#2 HDPE Bottles/Jars - Color	14.6	490
#2 Other HDPE Containers	2.1	70
#6 Exp. Polystyrene Packaging	16.1	540
#3-#7 Other - All	16.1	540
Other Rigid Plastic Products	91.3	3,060
Grocery & Merchandise Bags	10.1	340
Trash Bags	26.0	870
Commercial & Industrial Film	26.8	900
Other Film	30.1	1,010
Other Plastic	34.0	1,140
Glass	***86.5***	***2,900***
Recyclable Glass Bottles & Jars	81.1	2,720
Flat Glass	3.9	130
Other Glass	1.5	50
Metal	***138.1***	***4,630***
Aluminum Beverage Containers	15.8	530
Other Aluminum	13.1	440
HVAC Ducting	0.6	20
Ferrous Containers (Tin Cans)	26.8	900

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,850
Other Non-Ferrous	5.1	170
Other Metal	21.5	720
Organics	***521.7***	***17,490***
Yard Waste - Compostable	73.4	2,460
Yard Waste - Woody	67.4	2,260
Food Scraps	253.6	8,500
Bottom Fines & Dirt	20.0	670
Diapers	46.8	1,570
Other Organic	60.6	2,030
Inorganics	***136.9***	***4,590***
Televisions	6.6	220
Computer Monitors	4.5	150
Computer Equipment/Peripherals	5.4	180
Electronic Equipment	24.2	810
White Goods - Refrigerated	8.7	290
White Goods - Not refrigerated	19.1	640
Lead-acid Batteries	16.1	540
Other Household Batteries	1.2	40
Tires	28.9	970
Household Bulky Items	22.4	750
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***142.6***	***4,780***
Carpet	38.8	1,300
Carpet Padding	5.7	190
Clothing	41.2	1,380
Other Textiles	57.0	1,910
Household Hazardous Waste	***28.9***	***970***
Construction and Demolition Debris (C&D)	***648.5***	***21,740***
Total MSW (tons)		***96,380***
Total MSW (pounds/person/day)		***7.88***

2007 population 67,046

County generation based on 2007 data.

Alexander County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***482.4***	***2,040***
Newsprint	33.1	140
High Grade Office Paper	21.3	90
Magazines/Catalogs	63.8	270
Uncoated OCC/Kraft	158.4	670
Boxboard	40.2	170
Mixed Paper - Recyclable	70.9	300
Compostable Paper	73.3	310
Other Paper	21.3	90
Beverage Containers	***4.7***	***20***
Milk & Juice Cartons/Boxes - Coated	4.7	20
Plastic	***276.7***	***1,170***
#1 PET Bottles/Jars	26.0	110
#1 Other PET Containers	2.4	10
#2 HDPE Bottles/Jars - Clear	9.5	40
#2 HDPE Bottles/Jars - Color	14.2	60
#2 Other HDPE Containers	2.4	10
#6 Exp. Polystyrene Packaging	11.8	50
#3-#7 Other - All	11.8	50
Other Rigid Plastic Products	92.2	390
Grocery & Merchandise Bags	7.1	30
Trash Bags	26.0	110
Commercial & Industrial Film	18.9	80
Other Film	30.7	130
Other Plastic	23.6	100
Glass	***87.5***	***370***
Recyclable Glass Bottles & Jars	80.4	340
Flat Glass	4.7	20
Other Glass	2.4	10
Metal	***134.8***	***570***
Aluminum Beverage Containers	16.6	70
Other Aluminum	11.8	50
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.0	110
Metal		
Other Ferrous	54.4	230
Other Non-Ferrous	4.7	20
Other Metal	21.3	90
Organics	***458.7***	***1,940***
Yard Waste - Compostable	73.3	310
Yard Waste - Woody	66.2	280
Food Scraps	191.5	810
Bottom Fines & Dirt	18.9	80
Diapers	47.3	200
Other Organic	61.5	260
Inorganics	***134.8***	***570***
Televisions	7.1	30
Computer Monitors	4.7	20
Computer Equipment/Peripherals	4.7	20
Electronic Equipment	23.6	100
White Goods - Refrigerated	9.5	40
White Goods - Not refrigerated	18.9	80
Lead-acid Batteries	16.6	70
Other Household Batteries	0.0	0
Tires	28.4	120
Household Bulky Items	21.3	90
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***113.5***	***480***
Carpet	40.2	170
Carpet Padding	4.7	20
Clothing	28.4	120
Other Textiles	40.2	170
Household Hazardous Waste	***30.7***	***130***
Construction and Demolition Debris (C&D)	***633.7***	***2,680***
Total MSW (tons)		***9,970***
Total MSW (pounds/person/day)		***6.46***

2007 population 8,458

County generation based on 2007 data.

Bond County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***587.7***	***5,320***	***Metal***		
Newsprint	48.6	440	Other Ferrous	55.2	500
High Grade Office Paper	26.5	240	Other Non-Ferrous	5.5	50
Magazines/Catalogs	66.3	600	Other Metal	21.0	190
Uncoated OCC/Kraft	238.6	2,160			
Boxboard	40.9	370	***Organics***	***487.2***	***4,410***
Mixed Paper - Recyclable	70.7	640	Yard Waste - Compostable	72.9	660
Compostable Paper	74.0	670	Yard Waste - Woody	67.4	610
Other Paper	22.1	200	Food Scraps	219.9	1,990
			Bottom Fines & Dirt	19.9	180
Beverage Containers	***5.5***	***50***	Diapers	46.4	420
Milk & Juice Cartons/Boxes - Coated	5.5	50	Other Organic	60.8	550
Plastic	***309.3***	***2,800***	***Inorganics***	***135.9***	***1,230***
#1 PET Bottles/Jars	25.4	230	Televisions	6.6	60
#1 Other PET Containers	2.2	20	Computer Monitors	4.4	40
#2 HDPE Bottles/Jars - Clear	9.9	90	Computer Equipment/Peripherals	5.5	50
#2 HDPE Bottles/Jars - Color	14.4	130	Electronic Equipment	24.3	220
#2 Other HDPE Containers	2.2	20	White Goods - Refrigerated	8.8	80
#6 Exp. Polystyrene Packaging	17.7	160	White Goods - Not refrigerated	18.8	170
#3-#7 Other - All	17.7	160	Lead-acid Batteries	15.5	140
Other Rigid Plastic Products	91.7	830	Other Household Batteries	1.1	10
Grocery & Merchandise Bags	9.9	90	Tires	28.7	260
Trash Bags	25.4	230	Household Bulky Items	22.1	200
Commercial & Industrial Film	27.6	250	Fluorescent Lights/Ballasts	<0.1	0
Other Film	29.8	270			
Other Plastic	35.4	320	***Textiles***	***145.8***	***1,320***
			Carpet	38.7	350
Glass	***85.1***	***770***	Carpet Padding	5.5	50
Recyclable Glass Bottles & Jars	80.6	730	Clothing	43.1	390
Flat Glass	3.3	30	Other Textiles	58.6	530
Other Glass	1.1	10			
			Household Hazardous Waste	***28.7***	***260***
Metal	***138.1***	***1,250***			
Aluminum Beverage Containers	15.5	140	***Construction and Demolition Debris (C&D)***	***650.7***	***5,890***
Other Aluminum	13.3	120			
HVAC Ducting	1.1	10	***Total MSW (tons)***		***23,300***
Ferrous Containers (Tin Cans)	26.5	240	***Total MSW (pounds/person/day)***		***7.05***

2007 population 18,103

County generation based on 2007 data.

Boone County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***621.3***	***16,630***
Newsprint	81.8	2,190
High Grade Office Paper	43.3	1,160
Magazines/Catalogs	65.0	1,740
Uncoated OCC/Kraft	223.0	5,970
Boxboard	40.7	1,090
Mixed Paper - Recyclable	71.4	1,910
Compostable Paper	74.0	1,980
Other Paper	22.0	590
Beverage Containers	***5.2***	***140***
Milk & Juice Cartons/Boxes - Coated	5.2	140
Plastic	***337.7***	***9,040***
#1 PET Bottles/Jars	25.8	690
#1 Other PET Containers	2.2	60
#2 HDPE Bottles/Jars - Clear	10.1	270
#2 HDPE Bottles/Jars - Color	14.6	390
#2 Other HDPE Containers	1.9	50
#6 Exp. Polystyrene Packaging	20.2	540
#3-#7 Other - All	20.5	550
Other Rigid Plastic Products	91.2	2,440
Grocery & Merchandise Bags	13.1	350
Trash Bags	25.8	690
Commercial & Industrial Film	36.2	970
Other Film	30.3	810
Other Plastic	46.0	1,230
Glass	***86.3***	***2,310***
Recyclable Glass Bottles & Jars	81.1	2,170
Flat Glass	3.7	100
Other Glass	1.5	40
Metal	***138.6***	***3,710***
Aluminum Beverage Containers	15.7	420
Other Aluminum	13.1	350
HVAC Ducting	0.7	20
Ferrous Containers (Tin Cans)	26.9	720

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	1,480
Other Non-Ferrous	5.2	140
Other Metal	21.7	580
Organics	***463.3***	***12,400***
Yard Waste - Compostable	73.2	1,960
Yard Waste - Woody	67.3	1,800
Food Scraps	195.4	5,230
Bottom Fines & Dirt	20.2	540
Diapers	46.7	1,250
Other Organic	60.5	1,620
Inorganics	***136.7***	***3,660***
Televisions	6.4	170
Computer Monitors	4.5	120
Computer Equipment/Peripherals	5.2	140
Electronic Equipment	24.3	650
White Goods - Refrigerated	8.6	230
White Goods - Not refrigerated	19.1	510
Lead-acid Batteries	16.1	430
Other Household Batteries	1.1	30
Tires	29.1	780
Household Bulky Items	22.4	600
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***176.0***	***4,710***
Carpet	38.9	1,040
Carpet Padding	5.6	150
Clothing	55.3	1,480
Other Textiles	76.2	2,040
Household Hazardous Waste	***28.8***	***770***
Construction and Demolition Debris (C&D)	***663.9***	***17,770***
Total MSW (tons)		***71,140***
Total MSW (pounds/person/day)		***7.28***

2007 population 53,531

County generation based on 2007 data.

Brown County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***697.5***	***2,290***
Newsprint	45.7	150
High Grade Office Paper	39.6	130
Magazines/Catalogs	64.0	210
Uncoated OCC/Kraft	344.2	1,130
Boxboard	39.6	130
Mixed Paper - Recyclable	70.1	230
Compostable Paper	73.1	240
Other Paper	21.3	70
Beverage Containers	***6.1***	***20***
Milk & Juice Cartons/Boxes - Coated	6.1	20
Plastic	***307.6***	***1,010***
#1 PET Bottles/Jars	24.4	80
#1 Other PET Containers	3.0	10
#2 HDPE Bottles/Jars - Clear	9.1	30
#2 HDPE Bottles/Jars - Color	15.2	50
#2 Other HDPE Containers	3.0	10
#6 Exp. Polystyrene Packaging	18.3	60
#3-#7 Other - All	18.3	60
Other Rigid Plastic Products	91.4	300
Grocery & Merchandise Bags	9.1	30
Trash Bags	24.4	80
Commercial & Industrial Film	27.4	90
Other Film	30.5	100
Other Plastic	33.5	110
Glass	***85.3***	***280***
Recyclable Glass Bottles & Jars	82.2	270
Flat Glass	3.0	10
Other Glass	0.0	0
Metal	***137.1***	***450***
Aluminum Beverage Containers	15.2	50
Other Aluminum	12.2	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.4	90

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.8	180
Other Non-Ferrous	6.1	20
Other Metal	21.3	70
Organics	***453.9***	***1,490***
Yard Waste - Compostable	73.1	240
Yard Waste - Woody	67.0	220
Food Scraps	185.8	610
Bottom Fines & Dirt	21.3	70
Diapers	45.7	150
Other Organic	60.9	200
Inorganics	***137.1***	***450***
Televisions	6.1	20
Computer Monitors	6.1	20
Computer Equipment/Peripherals	6.1	20
Electronic Equipment	24.4	80
White Goods - Refrigerated	9.1	30
White Goods - Not refrigerated	18.3	60
Lead-acid Batteries	15.2	50
Other Household Batteries	0.0	0
Tires	30.5	100
Household Bulky Items	21.3	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***143.2***	***470***
Carpet	36.6	120
Carpet Padding	6.1	20
Clothing	42.6	140
Other Textiles	57.9	190
Household Hazardous Waste	***27.4***	***90***
Construction and Demolition Debris (C&D)	***651.8***	***2,140***
Total MSW (tons)		***8,690***
Total MSW (pounds/person/day)		***7.25***

2007 population 6,566

County generation based on 2007 data.

Bureau County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***657.0***	***11,510***	***Metal***		
Newsprint	61.7	1,080	Other Ferrous	55.4	970
High Grade Office Paper	31.4	550	Other Non-Ferrous	5.1	90
Magazines/Catalogs	70.8	1,240	Other Metal	21.7	380
Uncoated OCC/Kraft	285.4	5,000			
Boxboard	40.5	710	***Organics***	***483.5***	***8,470***
Mixed Paper - Recyclable	71.4	1,250	Yard Waste - Compostable	73.1	1,280
Compostable Paper	73.6	1,290	Yard Waste - Woody	67.4	1,180
Other Paper	22.3	390	Food Scraps	215.8	3,780
			Bottom Fines & Dirt	20.0	350
Beverage Containers	***5.1***	***90***	Diapers	46.8	820
Milk & Juice Cartons/Boxes - Coated	5.1	90	Other Organic	60.5	1,060
Plastic	***314.0***	***5,500***	***Inorganics***	***135.9***	***2,380***
#1 PET Bottles/Jars	25.7	450	Televisions	6.3	110
#1 Other PET Containers	2.3	40	Computer Monitors	4.6	80
#2 HDPE Bottles/Jars - Clear	10.3	180	Computer Equipment/Peripherals	5.1	90
#2 HDPE Bottles/Jars - Color	14.8	260	Electronic Equipment	24.0	420
#2 Other HDPE Containers	2.3	40	White Goods - Refrigerated	8.6	150
#6 Exp. Polystyrene Packaging	17.1	300	White Goods - Not refrigerated	18.8	330
#3-#7 Other - All	17.1	300	Lead-acid Batteries	16.0	280
Other Rigid Plastic Products	91.3	1,600	Other Household Batteries	1.1	20
Grocery & Merchandise Bags	10.8	190	Tires	29.1	510
Trash Bags	25.7	450	Household Bulky Items	22.3	390
Commercial & Industrial Film	29.1	510	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.3	530			
Other Plastic	37.1	650	***Textiles***	***151.8***	***2,660***
			Carpet	38.8	680
Glass	***86.8***	***1,520***	Carpet Padding	5.7	100
Recyclable Glass Bottles & Jars	81.1	1,420	Clothing	45.1	790
Flat Glass	4.0	70	Other Textiles	62.2	1,090
Other Glass	1.7	30			
			Household Hazardous Waste	***28.0***	***490***
Metal	***138.1***	***2,420***			
Aluminum Beverage Containers	15.4	270	***Construction and Demolition Debris (C&D)***	***654.2***	***11,460***
Other Aluminum	13.1	230			
HVAC Ducting	0.6	10	***Total MSW (tons)***		***46,500***
Ferrous Containers (Tin Cans)	26.8	470	***Total MSW (pounds/person/day)***		***7.27***

2007 population 35,036

County generation based on 2007 data.

Calhoun County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***472.2***	***1,220***
Newsprint	50.3	130
High Grade Office Paper	19.4	50
Magazines/Catalogs	65.8	170
Uncoated OCC/Kraft	131.6	340
Boxboard	38.7	100
Mixed Paper - Recyclable	69.7	180
Compostable Paper	73.5	190
Other Paper	23.2	60
Beverage Containers	***3.9***	***10***
Milk & Juice Cartons/Boxes - Coated	3.9	10
Plastic	***317.4***	***820***
#1 PET Bottles/Jars	27.1	70
#1 Other PET Containers	3.9	10
#2 HDPE Bottles/Jars - Clear	11.6	30
#2 HDPE Bottles/Jars - Color	15.5	40
#2 Other HDPE Containers	3.9	10
#6 Exp. Polystyrene Packaging	15.5	40
#3-#7 Other - All	15.5	40
Other Rigid Plastic Products	92.9	240
Grocery & Merchandise Bags	11.6	30
Trash Bags	27.1	70
Commercial & Industrial Film	27.1	70
Other Film	31.0	80
Other Plastic	34.8	90
Glass	***85.2***	***220***
Recyclable Glass Bottles & Jars	81.3	210
Flat Glass	3.9	10
Other Glass	0.0	0
Metal	***135.5***	***350***
Aluminum Beverage Containers	15.5	40
Other Aluminum	11.6	30
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.1	70

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.2	140
Other Non-Ferrous	3.9	10
Other Metal	23.2	60
Organics	***503.2***	***1,300***
Yard Waste - Compostable	73.5	190
Yard Waste - Woody	65.8	170
Food Scraps	236.1	610
Bottom Fines & Dirt	19.4	50
Diapers	46.4	120
Other Organic	61.9	160
Inorganics	***131.6***	***340***
Televisions	7.7	20
Computer Monitors	3.9	10
Computer Equipment/Peripherals	3.9	10
Electronic Equipment	23.2	60
White Goods - Refrigerated	7.7	20
White Goods - Not refrigerated	19.4	50
Lead-acid Batteries	15.5	40
Other Household Batteries	0.0	0
Tires	27.1	70
Household Bulky Items	23.2	60
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***143.2***	***370***
Carpet	38.7	100
Carpet Padding	3.9	10
Clothing	42.6	110
Other Textiles	58.1	150
Household Hazardous Waste	***31.0***	***80***
Construction and Demolition Debris (C&D)	***646.4***	***1,670***
Total MSW (tons)		***6,380***
Total MSW (pounds/person/day)		***6.77***

2007 population 5,167

County generation based on 2007 data.

Carroll County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***580.1***	***4,620***
Newsprint	71.6	570
High Grade Office Paper	22.6	180
Magazines/Catalogs	74.1	590
Uncoated OCC/Kraft	203.4	1,620
Boxboard	40.2	320
Mixed Paper - Recyclable	71.6	570
Compostable Paper	74.1	590
Other Paper	22.6	180
Beverage Containers	***5.0***	***40***
Milk & Juice Cartons/Boxes - Coated	5.0	40
Plastic	***306.4***	***2,440***
#1 PET Bottles/Jars	25.1	200
#1 Other PET Containers	2.5	20
#2 HDPE Bottles/Jars - Clear	10.0	80
#2 HDPE Bottles/Jars - Color	15.1	120
#2 Other HDPE Containers	2.5	20
#6 Exp. Polystyrene Packaging	15.1	120
#3-#7 Other - All	15.1	120
Other Rigid Plastic Products	91.7	730
Grocery & Merchandise Bags	10.0	80
Trash Bags	26.4	210
Commercial & Industrial Film	27.6	220
Other Film	30.1	240
Other Plastic	35.2	280
Glass	***85.4***	***680***
Recyclable Glass Bottles & Jars	80.4	640
Flat Glass	3.8	30
Other Glass	1.3	10
Metal	***136.9***	***1,090***
Aluminum Beverage Containers	15.1	120
Other Aluminum	12.6	100
HVAC Ducting	1.3	10
Ferrous Containers (Tin Cans)	26.4	210

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	440
Other Non-Ferrous	5.0	40
Other Metal	21.3	170
Organics	***483.4***	***3,850***
Yard Waste - Compostable	72.8	580
Yard Waste - Woody	67.8	540
Food Scraps	216.0	1,720
Bottom Fines & Dirt	20.1	160
Diapers	46.5	370
Other Organic	60.3	480
Inorganics	***136.9***	***1,090***
Televisions	6.3	50
Computer Monitors	5.0	40
Computer Equipment/Peripherals	5.0	40
Electronic Equipment	23.9	190
White Goods - Refrigerated	8.8	70
White Goods - Not refrigerated	18.8	150
Lead-acid Batteries	16.3	130
Other Household Batteries	1.3	10
Tires	28.9	230
Household Bulky Items	22.6	180
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***144.4***	***1,150***
Carpet	38.9	310
Carpet Padding	5.0	40
Clothing	42.7	340
Other Textiles	57.8	460
Household Hazardous Waste	***28.9***	***230***
Construction and Demolition Debris (C&D)	***650.4***	***5,180***
Total MSW (tons)		***20,370***
Total MSW (pounds/person/day)		***7.01***

2007 population 15,928

County generation based on 2007 data.

Cass County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***684.8***	***4,700***	***Metal***		
Newsprint	69.9	480	Other Ferrous	55.4	380
High Grade Office Paper	39.3	270	Other Non-Ferrous	5.8	40
Magazines/Catalogs	67.0	460	Other Metal	21.9	150
Uncoated OCC/Kraft	300.1	2,060			
Boxboard	40.8	280	***Organics***	***480.8***	***3,300***
Mixed Paper - Recyclable	71.4	490	Yard Waste - Compostable	72.8	500
Compostable Paper	74.3	510	Yard Waste - Woody	67.0	460
Other Paper	21.9	150	Food Scraps	212.7	1,460
			Bottom Fines & Dirt	20.4	140
Beverage Containers	***5.8***	***40***	Diapers	46.6	320
Milk & Juice Cartons/Boxes - Coated	5.8	40	Other Organic	61.2	420
Plastic	***304.5***	***2,090***	***Inorganics***	***137.0***	***940***
#1 PET Bottles/Jars	26.2	180	Televisions	5.8	40
#1 Other PET Containers	1.5	10	Computer Monitors	4.4	30
#2 HDPE Bottles/Jars - Clear	10.2	70	Computer Equipment/Peripherals	5.8	40
#2 HDPE Bottles/Jars - Color	14.6	100	Electronic Equipment	24.8	170
#2 Other HDPE Containers	1.5	10	White Goods - Refrigerated	8.7	60
#6 Exp. Polystyrene Packaging	16.0	110	White Goods - Not refrigerated	18.9	130
#3-#7 Other - All	16.0	110	Lead-acid Batteries	16.0	110
Other Rigid Plastic Products	91.8	630	Other Household Batteries	1.5	10
Grocery & Merchandise Bags	10.2	70	Tires	29.1	200
Trash Bags	26.2	180	Household Bulky Items	21.9	150
Commercial & Industrial Film	26.2	180	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.6	210			
Other Plastic	33.5	230	***Textiles***	***142.8***	***980***
			Carpet	39.3	270
Glass	***87.4***	***600***	Carpet Padding	5.8	40
Recyclable Glass Bottles & Jars	81.6	560	Clothing	40.8	280
Flat Glass	4.4	30	Other Textiles	56.8	390
Other Glass	1.5	10			
			Household Hazardous Waste	***29.1***	***200***
Metal	***139.9***	***960***			
Aluminum Beverage Containers	16.0	110	***Construction and Demolition Debris (C&D)***	***651.3***	***4,470***
Other Aluminum	13.1	90			
HVAC Ducting	0.0	0	***Total MSW (tons)***		***18,280***
Ferrous Containers (Tin Cans)	27.7	190	***Total MSW (pounds/person/day)***		***7.30***

2007 population 13,727

County generation based on 2007 data.

Champaign County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***783.6***	***74,540***
Newsprint	77.4	7,360
High Grade Office Paper	40.5	3,850
Magazines/Catalogs	66.8	6,350
Uncoated OCC/Kraft	391.0	37,200
Boxboard	40.6	3,860
Mixed Paper - Recyclable	71.3	6,780
Compostable Paper	73.9	7,030
Other Paper	22.2	2,110
Beverage Containers	***5.4***	***510***
Milk & Juice Cartons/Boxes - Coated	5.4	510
Plastic	***305.9***	***29,100***
#1 PET Bottles/Jars	25.6	2,440
#1 Other PET Containers	2.1	200
#2 HDPE Bottles/Jars - Clear	10.0	950
#2 HDPE Bottles/Jars - Color	14.6	1,390
#2 Other HDPE Containers	2.0	190
#6 Exp. Polystyrene Packaging	16.2	1,540
#3-#7 Other - All	16.3	1,550
Other Rigid Plastic Products	91.2	8,680
Grocery & Merchandise Bags	10.1	960
Trash Bags	25.9	2,460
Commercial & Industrial Film	27.1	2,580
Other Film	30.3	2,880
Other Plastic	34.5	3,280
Glass	***86.2***	***8,200***
Recyclable Glass Bottles & Jars	80.9	7,700
Flat Glass	3.8	360
Other Glass	1.5	140
Metal	***138.1***	***13,140***
Aluminum Beverage Containers	15.7	1,490
Other Aluminum	13.0	1,240
HVAC Ducting	0.6	60
Ferrous Containers (Tin Cans)	27.0	2,570

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	5,250
Other Non-Ferrous	5.2	490
Other Metal	21.4	2,040
Organics	***555.8***	***52,870***
Yard Waste - Compostable	73.4	6,980
Yard Waste - Woody	67.3	6,400
Food Scraps	287.7	27,370
Bottom Fines & Dirt	20.1	1,910
Diapers	46.8	4,450
Other Organic	60.5	5,760
Inorganics	***136.8***	***13,010***
Televisions	6.5	620
Computer Monitors	4.6	440
Computer Equipment/Peripherals	5.3	500
Electronic Equipment	24.3	2,310
White Goods - Refrigerated	8.6	820
White Goods - Not refrigerated	19.0	1,810
Lead-acid Batteries	16.0	1,520
Other Household Batteries	1.1	100
Tires	29.0	2,760
Household Bulky Items	22.3	2,120
Fluorescent Lights/Ballasts	0.1	10
Textiles	***143.8***	***13,680***
Carpet	38.8	3,690
Carpet Padding	5.7	540
Clothing	41.7	3,970
Other Textiles	57.6	5,480
Household Hazardous Waste	***28.9***	***2,750***
Construction and Demolition Debris (C&D)	***648.9***	***61,730***
Total MSW (tons)		***269,530***
Total MSW (pounds/person/day)		***7.76***

2007 population 190,260

County generation based on 2007 data.

Christian County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***787.4***	***13,600***	***Metal***		
Newsprint	84.0	1,450	Other Ferrous	55.0	950
High Grade Office Paper	41.7	720	Other Non-Ferrous	5.2	90
Magazines/Catalogs	71.2	1,230	Other Metal	21.4	370
Uncoated OCC/Kraft	382.7	6,610			
Boxboard	40.5	700	***Organics***	***485.8***	***8,390***
Mixed Paper - Recyclable	71.2	1,230	Yard Waste - Compostable	73.5	1,270
Compostable Paper	74.1	1,280	Yard Waste - Woody	67.2	1,160
Other Paper	22.0	380	Food Scraps	217.1	3,750
			Bottom Fines & Dirt	20.3	350
Beverage Containers	***5.2***	***90***	Diapers	46.9	810
Milk & Juice Cartons/Boxes - Coated	5.2	90	Other Organic	60.8	1,050
Plastic	***304.5***	***5,260***	***Inorganics***	***136.6***	***2,360***
#1 PET Bottles/Jars	25.5	440	Televisions	6.4	110
#1 Other PET Containers	2.3	40	Computer Monitors	4.6	80
#2 HDPE Bottles/Jars - Clear	9.8	170	Computer Equipment/Peripherals	5.2	90
#2 HDPE Bottles/Jars - Color	14.5	250	Electronic Equipment	24.3	420
#2 Other HDPE Containers	2.3	40	White Goods - Refrigerated	8.7	150
#6 Exp. Polystyrene Packaging	15.6	270	White Goods - Not refrigerated	19.1	330
#3-#7 Other - All	16.2	280	Lead-acid Batteries	16.2	280
Other Rigid Plastic Products	91.5	1,580	Other Household Batteries	1.2	20
Grocery & Merchandise Bags	9.8	170	Tires	28.9	500
Trash Bags	26.1	450	Household Bulky Items	22.0	380
Commercial & Industrial Film	26.6	460	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.1	520			
Other Plastic	34.2	590	***Textiles***	***141.3***	***2,440***
			Carpet	38.8	670
Glass	***86.8***	***1,500***	Carpet Padding	5.8	100
Recyclable Glass Bottles & Jars	81.1	1,400	Clothing	40.5	700
Flat Glass	4.1	70	Other Textiles	56.2	970
Other Glass	1.7	30			
			Household Hazardous Waste	***28.4***	***490***
Metal	***137.8***	***2,380***			
Aluminum Beverage Containers	15.6	270	***Construction and Demolition Debris (C&D)***	***647.9***	***11,190***
Other Aluminum	12.7	220			
HVAC Ducting	0.6	10	***Total MSW (tons)***		***47,700***
Ferrous Containers (Tin Cans)	27.2	470	***Total MSW (pounds/person/day)***		***7.57***

2007 population 34,543

County generation based on 2007 data.

Clark County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***565.0***	***4,770***	***Metal***		
Newsprint	47.4	400	Other Ferrous	55.7	470
High Grade Office Paper	26.1	220	Other Non-Ferrous	4.7	40
Magazines/Catalogs	67.5	570	Other Metal	21.3	180
Uncoated OCC/Kraft	216.8	1,830			
Boxboard	40.3	340	***Organics***	***491.6***	***4,150***
Mixed Paper - Recyclable	71.1	600	Yard Waste - Compostable	73.4	620
Compostable Paper	73.4	620	Yard Waste - Woody	67.5	570
Other Paper	22.5	190	Food Scraps	223.9	1,890
			Bottom Fines & Dirt	20.1	170
Beverage Containers	***5.9***	***50***	Diapers	46.2	390
Milk & Juice Cartons/Boxes - Coated	5.9	50	Other Organic	60.4	510
Plastic	***300.9***	***2,540***	***Inorganics***	***135.0***	***1,140***
#1 PET Bottles/Jars	26.1	220	Televisions	5.9	50
#1 Other PET Containers	2.4	20	Computer Monitors	4.7	40
#2 HDPE Bottles/Jars - Clear	9.5	80	Computer Equipment/Peripherals	4.7	40
#2 HDPE Bottles/Jars - Color	14.2	120	Electronic Equipment	23.7	200
#2 Other HDPE Containers	2.4	20	White Goods - Refrigerated	8.3	70
#6 Exp. Polystyrene Packaging	14.2	120	White Goods - Not refrigerated	19.0	160
#3-#7 Other - All	15.4	130	Lead-acid Batteries	16.6	140
Other Rigid Plastic Products	91.2	770	Other Household Batteries	1.2	10
Grocery & Merchandise Bags	9.5	80	Tires	28.4	240
Trash Bags	26.1	220	Household Bulky Items	22.5	190
Commercial & Industrial Film	26.1	220	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.8	260			
Other Plastic	33.2	280	***Textiles***	***138.6***	***1,170***
			Carpet	37.9	320
Glass	***86.5***	***730***	Carpet Padding	5.9	50
Recyclable Glass Bottles & Jars	81.7	690	Clothing	40.3	340
Flat Glass	3.6	30	Other Textiles	54.5	460
Other Glass	1.2	10			
			Household Hazardous Waste	***28.4***	***240***
Metal	***138.6***	***1,170***			
Aluminum Beverage Containers	15.4	130	***Construction and Demolition Debris (C&D)***	***645.6***	***5,450***
Other Aluminum	13.0	110			
HVAC Ducting	1.2	10	***Total MSW (tons)***		***21,410***
Ferrous Containers (Tin Cans)	27.2	230	***Total MSW (pounds/person/day)***		***6.95***

2007 population 16,884

County generation based on 2007 data.

Clay County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***627.7***	***4,360***	***Metal***		
Newsprint	23.0	160	Other Ferrous	54.7	380
High Grade Office Paper	38.9	270	Other Non-Ferrous	5.8	40
Magazines/Catalogs	64.8	450	Other Metal	21.6	150
Uncoated OCC/Kraft	295.1	2,050			
Boxboard	40.3	280	***Organics***	***476.5***	***3,310***
Mixed Paper - Recyclable	70.5	490	Yard Waste - Compostable	73.4	510
Compostable Paper	73.4	510	Yard Waste - Woody	67.7	470
Other Paper	21.6	150	Food Scraps	208.7	1,450
			Bottom Fines & Dirt	20.2	140
Beverage Containers	***5.8***	***40***	Diapers	46.1	320
Milk & Juice Cartons/Boxes - Coated	5.8	40	Other Organic	60.5	420
Plastic	***289.4***	***2,010***	***Inorganics***	***136.8***	***950***
#1 PET Bottles/Jars	25.9	180	Televisions	7.2	50
#1 Other PET Containers	1.4	10	Computer Monitors	4.3	30
#2 HDPE Bottles/Jars - Clear	10.1	70	Computer Equipment/Peripherals	5.8	40
#2 HDPE Bottles/Jars - Color	14.4	100	Electronic Equipment	24.5	170
#2 Other HDPE Containers	1.4	10	White Goods - Refrigerated	8.6	60
#6 Exp. Polystyrene Packaging	14.4	100	White Goods - Not refrigerated	18.7	130
#3-#7 Other - All	14.4	100	Lead-acid Batteries	15.8	110
Other Rigid Plastic Products	90.7	630	Other Household Batteries	1.4	10
Grocery & Merchandise Bags	8.6	60	Tires	28.8	200
Trash Bags	25.9	180	Household Bulky Items	21.6	150
Commercial & Industrial Film	23.0	160	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.2	210			
Other Plastic	28.8	200	***Textiles***	***129.6***	***900***
			Carpet	38.9	270
Glass	***86.4***	***600***	Carpet Padding	5.8	40
Recyclable Glass Bottles & Jars	80.6	560	Clothing	36.0	250
Flat Glass	4.3	30	Other Textiles	48.9	340
Other Glass	1.4	10			
			Household Hazardous Waste	***28.8***	***200***
Metal	***138.2***	***960***			
Aluminum Beverage Containers	15.8	110	***Construction and Demolition Debris (C&D)***	***642.0***	***4,460***
Other Aluminum	13.0	90			
HVAC Ducting	0.0	0	***Total MSW (tons)***		***17,790***
Ferrous Containers (Tin Cans)	27.4	190	***Total MSW (pounds/person/day)***		***7.02***

2007 population 13,893

County generation based on 2007 data.

Clinton County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***655.1***	***11,940***
Newsprint	75.7	1,380
High Grade Office Paper	43.3	790
Magazines/Catalogs	67.5	1,230
Uncoated OCC/Kraft	260.6	4,750
Boxboard	40.6	740
Mixed Paper - Recyclable	71.3	1,300
Compostable Paper	74.1	1,350
Other Paper	21.9	400
Beverage Containers	***5.5***	***100***
Milk & Juice Cartons/Boxes - Coated	5.5	100
Plastic	***326.5***	***5,950***
#1 PET Bottles/Jars	25.8	470
#1 Other PET Containers	2.2	40
#2 HDPE Bottles/Jars - Clear	9.9	180
#2 HDPE Bottles/Jars - Color	14.8	270
#2 Other HDPE Containers	2.2	40
#6 Exp. Polystyrene Packaging	18.7	340
#3-#7 Other - All	18.7	340
Other Rigid Plastic Products	91.1	1,660
Grocery & Merchandise Bags	12.1	220
Trash Bags	25.8	470
Commercial & Industrial Film	32.9	600
Other Film	30.2	550
Other Plastic	42.2	770
Glass	***86.1***	***1,570***
Recyclable Glass Bottles & Jars	80.7	1,470
Flat Glass	3.8	70
Other Glass	1.6	30
Metal	***138.3***	***2,520***
Aluminum Beverage Containers	15.9	290
Other Aluminum	13.2	240
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	26.9	490

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	1,010
Other Non-Ferrous	4.9	90
Other Metal	21.4	390
Organics	***486.1***	***8,860***
Yard Waste - Compostable	73.5	1,340
Yard Waste - Woody	67.5	1,230
Food Scraps	217.8	3,970
Bottom Fines & Dirt	20.3	370
Diapers	46.6	850
Other Organic	60.4	1,100
Inorganics	***137.2***	***2,500***
Televisions	6.6	120
Computer Monitors	4.4	80
Computer Equipment/Peripherals	5.5	100
Electronic Equipment	24.1	440
White Goods - Refrigerated	8.8	160
White Goods - Not refrigerated	19.2	350
Lead-acid Batteries	15.9	290
Other Household Batteries	1.1	20
Tires	29.1	530
Household Bulky Items	22.5	410
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***165.2***	***3,010***
Carpet	39.0	710
Carpet Padding	6.0	110
Clothing	50.5	920
Other Textiles	69.7	1,270
Household Hazardous Waste	***28.5***	***520***
Construction and Demolition Debris (C&D)	***658.4***	***12,000***
Total MSW (tons)		***48,970***
Total MSW (pounds/person/day)		***7.36***

2007 population 36,450

County generation based on 2007 data.

Coles County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***749.3***	***19,110***	***Metal***		
Newsprint	81.2	2,070	Other Ferrous	55.3	1,410
High Grade Office Paper	37.2	950	Other Non-Ferrous	5.1	130
Magazines/Catalogs	67.4	1,720	Other Metal	21.6	550
Uncoated OCC/Kraft	355.6	9,070			
Boxboard	40.4	1,030	***Organics***	***534.0***	***13,620***
Mixed Paper - Recyclable	71.4	1,820	Yard Waste - Compostable	73.3	1,870
Compostable Paper	73.7	1,880	Yard Waste - Woody	67.4	1,720
Other Paper	22.3	570	Food Scraps	266.2	6,790
			Bottom Fines & Dirt	20.0	510
Beverage Containers	***5.5***	***140***	Diapers	46.7	1,190
Milk & Juice Cartons/Boxes - Coated	5.5	140	Other Organic	60.4	1,540
Plastic	***295.6***	***7,540***	***Inorganics***	***136.8***	***3,490***
#1 PET Bottles/Jars	25.5	650	Televisions	6.7	170
#1 Other PET Containers	2.0	50	Computer Monitors	4.7	120
#2 HDPE Bottles/Jars - Clear	10.2	260	Computer Equipment/Peripherals	5.1	130
#2 HDPE Bottles/Jars - Color	14.5	370	Electronic Equipment	24.3	620
#2 Other HDPE Containers	2.0	50	White Goods - Refrigerated	8.6	220
#6 Exp. Polystyrene Packaging	14.5	370	White Goods - Not refrigerated	18.8	480
#3-#7 Other - All	15.3	390	Lead-acid Batteries	16.1	410
Other Rigid Plastic Products	91.4	2,330	Other Household Batteries	1.2	30
Grocery & Merchandise Bags	9.0	230	Tires	29.0	740
Trash Bags	25.9	660	Household Bulky Items	22.3	570
Commercial & Industrial Film	24.3	620	Fluorescent Lights/Ballasts	<0.1	0
Other Film	30.2	770			
Other Plastic	31.0	790	***Textiles***	***134.1***	***3,420***
			Carpet	38.8	990
Glass	***86.3***	***2,200***	Carpet Padding	5.9	150
Recyclable Glass Bottles & Jars	80.8	2,060	Clothing	37.6	960
Flat Glass	3.9	100	Other Textiles	51.8	1,320
Other Glass	1.6	40			
			Household Hazardous Waste	***29.0***	***740***
Metal	***138.4***	***3,530***			
Aluminum Beverage Containers	15.7	400	***Construction and Demolition Debris (C&D)***	***643.0***	***16,400***
Other Aluminum	12.9	330			
HVAC Ducting	0.8	20	***Total MSW (tons)***		***70,190***
Ferrous Containers (Tin Cans)	27.1	690	***Total MSW (pounds/person/day)***		***7.54***

2007 population 51,011

County generation based on 2007 data.

Cook County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***887.1***	***2,344,210***
Newsprint	164.7	435,360
High Grade Office Paper	46.6	123,160
Magazines/Catalogs	62.8	165,860
Uncoated OCC/Kraft	405.1	1,070,520
Boxboard	40.6	107,210
Mixed Paper - Recyclable	71.3	188,290
Compostable Paper	73.9	195,240
Other Paper	22.2	58,570
Beverage Containers	***5.4***	***14,160***
Milk & Juice Cartons/Boxes - Coated	5.4	14,160
Plastic	***321.2***	***848,800***
#1 PET Bottles/Jars	25.6	67,700
#1 Other PET Containers	2.2	5,690
#2 HDPE Bottles/Jars - Clear	10.0	26,510
#2 HDPE Bottles/Jars - Color	14.6	38,510
#2 Other HDPE Containers	2.0	5,370
#6 Exp. Polystyrene Packaging	18.0	47,560
#3-#7 Other - All	18.2	48,120
Other Rigid Plastic Products	91.2	241,030
Grocery & Merchandise Bags	11.7	31,000
Trash Bags	25.8	68,300
Commercial & Industrial Film	31.5	83,240
Other Film	30.3	79,970
Other Plastic	40.0	105,800
Glass	***86.3***	***227,930***
Recyclable Glass Bottles & Jars	80.9	213,820
Flat Glass	3.8	10,100
Other Glass	1.5	4,010
Metal	***138.2***	***365,130***
Aluminum Beverage Containers	15.7	41,430
Other Aluminum	13.0	34,320
HVAC Ducting	0.7	1,740
Ferrous Containers (Tin Cans)	27.0	71,330

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	145,980
Other Non-Ferrous	5.1	13,530
Other Metal	21.5	56,800
Organics	***582.3***	***1,538,700***
Yard Waste - Compostable	73.3	193,780
Yard Waste - Woody	67.3	177,850
Food Scraps	314.3	830,640
Bottom Fines & Dirt	20.0	52,910
Diapers	46.8	123,610
Other Organic	60.5	159,910
Inorganics	***136.6***	***361,050***
Televisions	6.5	17,250
Computer Monitors	4.6	12,140
Computer Equipment/Peripherals	5.2	13,870
Electronic Equipment	24.3	64,090
White Goods - Refrigerated	8.6	22,770
White Goods - Not refrigerated	19.0	50,140
Lead-acid Batteries	16.0	42,290
Other Household Batteries	1.0	2,770
Tires	29.0	76,600
Household Bulky Items	22.2	58,780
Fluorescent Lights/Ballasts	0.1	350
Textiles	***159.8***	***422,270***
Carpet	38.7	102,360
Carpet Padding	5.7	15,090
Clothing	48.5	128,140
Other Textiles	66.9	176,680
Household Hazardous Waste	***28.8***	***76,190***
Construction and Demolition Debris (C&D)	***656.5***	***1,734,820***
Total MSW (tons)		***7,933,260***
Total MSW (pounds/person/day)		***8.22***

2007 population 5,285,107

County generation based on 2007 data.

Crawford County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***745.5***	***7,310***
Newsprint	159.1	1,560
High Grade Office Paper	33.7	330
Magazines/Catalogs	69.3	680
Uncoated OCC/Kraft	275.4	2,700
Boxboard	40.8	400
Mixed Paper - Recyclable	71.4	700
Compostable Paper	73.4	720
Other Paper	22.4	220
Beverage Containers	***5.1***	***50***
Milk & Juice Cartons/Boxes - Coated	5.1	50
Plastic	***295.8***	***2,900***
#1 PET Bottles/Jars	25.5	250
#1 Other PET Containers	2.0	20
#2 HDPE Bottles/Jars - Clear	10.2	100
#2 HDPE Bottles/Jars - Color	14.3	140
#2 Other HDPE Containers	2.0	20
#6 Exp. Polystyrene Packaging	15.3	150
#3-#7 Other - All	15.3	150
Other Rigid Plastic Products	90.8	890
Grocery & Merchandise Bags	9.2	90
Trash Bags	25.5	250
Commercial & Industrial Film	24.5	240
Other Film	30.6	300
Other Plastic	30.6	300
Glass	***86.7***	***850***
Recyclable Glass Bottles & Jars	81.6	800
Flat Glass	4.1	40
Other Glass	1.0	10
Metal	***137.7***	***1,350***
Aluminum Beverage Containers	15.3	150
Other Aluminum	13.3	130
HVAC Ducting	1.0	10
Ferrous Containers (Tin Cans)	26.5	260
Other Ferrous	55.1	540
Other Non-Ferrous	5.1	50
Other Metal	21.4	210
Organics	***475.2***	***4,660***
Yard Waste - Compostable	73.4	720
Yard Waste - Woody	67.3	660
Food Scraps	207.0	2,030
Bottom Fines & Dirt	20.4	200
Diapers	46.9	460
Other Organic	60.2	590
Inorganics	***135.6***	***1,330***
Televisions	6.1	60
Computer Monitors	4.1	40
Computer Equipment/Peripherals	5.1	50
Electronic Equipment	24.5	240
White Goods - Refrigerated	8.2	80
White Goods - Not refrigerated	19.4	190
Lead-acid Batteries	16.3	160
Other Household Batteries	1.0	10
Tires	28.6	280
Household Bulky Items	22.4	220
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***133.6***	***1,310***
Carpet	38.8	380
Carpet Padding	5.1	50
Clothing	37.7	370
Other Textiles	52.0	510
Household Hazardous Waste	***27.5***	***270***
Construction and Demolition Debris (C&D)	***644.5***	***6,320***
Total MSW (tons)		***26,350***
Total MSW (pounds/person/day)		***7.36***

2007 population 19,611

County generation based on 2007 data.

Cumberland County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***492.5***	***2,670***
Newsprint	62.7	340
High Grade Office Paper	20.3	110
Magazines/Catalogs	64.6	350
Uncoated OCC/Kraft	136.5	740
Boxboard	40.6	220
Mixed Paper - Recyclable	71.9	390
Compostable Paper	73.8	400
Other Paper	22.1	120
Beverage Containers	***5.5***	***30***
Milk & Juice Cartons/Boxes - Coated	5.5	30
Plastic	***304.4***	***1,650***
#1 PET Bottles/Jars	25.8	140
#1 Other PET Containers	1.8	10
#2 HDPE Bottles/Jars - Clear	9.2	50
#2 HDPE Bottles/Jars - Color	14.8	80
#2 Other HDPE Containers	1.8	10
#6 Exp. Polystyrene Packaging	16.6	90
#3-#7 Other - All	16.6	90
Other Rigid Plastic Products	90.4	490
Grocery & Merchandise Bags	9.2	50
Trash Bags	25.8	140
Commercial & Industrial Film	27.7	150
Other Film	29.5	160
Other Plastic	35.0	190
Glass	***86.7***	***470***
Recyclable Glass Bottles & Jars	81.2	440
Flat Glass	3.7	20
Other Glass	1.8	10
Metal	***140.2***	***760***
Aluminum Beverage Containers	16.6	90
Other Aluminum	12.9	70
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.7	150

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	300
Other Non-Ferrous	5.5	30
Other Metal	22.1	120
Organics	***453.8***	***2,460***
Yard Waste - Compostable	73.8	400
Yard Waste - Woody	66.4	360
Food Scraps	186.3	1,010
Bottom Fines & Dirt	20.3	110
Diapers	46.1	250
Other Organic	60.9	330
Inorganics	***138.4***	***750***
Televisions	7.4	40
Computer Monitors	3.7	20
Computer Equipment/Peripherals	5.5	30
Electronic Equipment	24.0	130
White Goods - Refrigerated	9.2	50
White Goods - Not refrigerated	18.4	100
Lead-acid Batteries	16.6	90
Other Household Batteries	1.8	10
Tires	29.5	160
Household Bulky Items	22.1	120
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***143.9***	***780***
Carpet	38.7	210
Carpet Padding	5.5	30
Clothing	42.4	230
Other Textiles	57.2	310
Household Hazardous Waste	***27.7***	***150***
Construction and Demolition Debris (C&D)	***649.3***	***3,520***
Total MSW (tons)		***13,240***
Total MSW (pounds/person/day)		***6.69***

2007 population 10,842

County generation based on 2007 data.

DeKalb County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***590.4***	***30,620***
Newsprint	90.0	4,670
High Grade Office Paper	43.4	2,250
Magazines/Catalogs	69.6	3,610
Uncoated OCC/Kraft	179.5	9,310
Boxboard	40.5	2,100
Mixed Paper - Recyclable	71.3	3,700
Compostable Paper	73.8	3,830
Other Paper	22.2	1,150
Beverage Containers	***5.4***	***280***
Milk & Juice Cartons/Boxes - Coated	5.4	280
Plastic	***320.5***	***16,620***
#1 PET Bottles/Jars	25.6	1,330
#1 Other PET Containers	2.1	110
#2 HDPE Bottles/Jars - Clear	10.0	520
#2 HDPE Bottles/Jars - Color	14.7	760
#2 Other HDPE Containers	2.1	110
#6 Exp. Polystyrene Packaging	17.7	920
#3-#7 Other - All	17.9	930
Other Rigid Plastic Products	91.2	4,730
Grocery & Merchandise Bags	11.6	600
Trash Bags	25.8	1,340
Commercial & Industrial Film	31.2	1,620
Other Film	30.3	1,570
Other Plastic	40.1	2,080
Glass	***86.4***	***4,480***
Recyclable Glass Bottles & Jars	81.0	4,200
Flat Glass	3.9	200
Other Glass	1.5	80
Metal	***137.9***	***7,150***
Aluminum Beverage Containers	15.6	810
Other Aluminum	12.9	670
HVAC Ducting	0.6	30
Ferrous Containers (Tin Cans)	27.0	1,400

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	2,860
Other Non-Ferrous	5.2	270
Other Metal	21.4	1,110
Organics	***502.7***	***26,070***
Yard Waste - Compostable	73.3	3,800
Yard Waste - Woody	67.3	3,490
Food Scraps	234.6	12,170
Bottom Fines & Dirt	20.1	1,040
Diapers	46.9	2,430
Other Organic	60.5	3,140
Inorganics	***136.5***	***7,080***
Televisions	6.6	340
Computer Monitors	4.6	240
Computer Equipment/Peripherals	5.2	270
Electronic Equipment	24.3	1,260
White Goods - Refrigerated	8.7	450
White Goods - Not refrigerated	18.9	980
Lead-acid Batteries	16.0	830
Other Household Batteries	1.2	60
Tires	28.9	1,500
Household Bulky Items	22.2	1,150
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***158.7***	***8,230***
Carpet	38.8	2,010
Carpet Padding	5.8	300
Clothing	48.0	2,490
Other Textiles	66.1	3,430
Household Hazardous Waste	***28.7***	***1,490***
Construction and Demolition Debris (C&D)	***655.9***	***34,020***
Total MSW (tons)		***136,040***
Total MSW (pounds/person/day)		***7.19***

2007 population 103,729

County generation based on 2007 data.

DeWitt County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***546.3***	***4,490***
Newsprint	96.1	790
High Grade Office Paper	25.6	210
Magazines/Catalogs	68.1	560
Uncoated OCC/Kraft	148.4	1,220
Boxboard	40.2	330
Mixed Paper - Recyclable	71.8	590
Compostable Paper	74.2	610
Other Paper	21.9	180
Beverage Containers	***4.9***	***40***
Milk & Juice Cartons/Boxes - Coated	4.9	40
Plastic	***320.0***	***2,630***
#1 PET Bottles/Jars	25.6	210
#1 Other PET Containers	2.4	20
#2 HDPE Bottles/Jars - Clear	9.7	80
#2 HDPE Bottles/Jars - Color	14.6	120
#2 Other HDPE Containers	2.4	20
#6 Exp. Polystyrene Packaging	17.0	140
#3-#7 Other - All	17.0	140
Other Rigid Plastic Products	91.3	750
Grocery & Merchandise Bags	12.2	100
Trash Bags	25.6	210
Commercial & Industrial Film	31.6	260
Other Film	30.4	250
Other Plastic	40.2	330
Glass	***86.4***	***710***
Recyclable Glass Bottles & Jars	81.5	670
Flat Glass	3.7	30
Other Glass	1.2	10
Metal	***138.7***	***1,140***
Aluminum Beverage Containers	15.8	130
Other Aluminum	13.4	110
HVAC Ducting	1.2	10
Ferrous Containers (Tin Cans)	26.8	220

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.8	450
Other Non-Ferrous	4.9	40
Other Metal	21.9	180
Organics	***490.4***	***4,030***
Yard Waste - Compostable	73.0	600
Yard Waste - Woody	66.9	550
Food Scraps	223.9	1,840
Bottom Fines & Dirt	19.5	160
Diapers	46.2	380
Other Organic	60.8	500
Inorganics	***136.3***	***1,120***
Televisions	6.1	50
Computer Monitors	4.9	40
Computer Equipment/Peripherals	4.9	40
Electronic Equipment	24.3	200
White Goods - Refrigerated	8.5	70
White Goods - Not refrigerated	19.5	160
Lead-acid Batteries	15.8	130
Other Household Batteries	1.2	10
Tires	29.2	240
Household Bulky Items	21.9	180
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***157.0***	***1,290***
Carpet	38.9	320
Carpet Padding	4.9	40
Clothing	47.5	390
Other Textiles	65.7	540
Household Hazardous Waste	***28.0***	***230***
Construction and Demolition Debris (C&D)	***653.4***	***5,370***
Total MSW (tons)		***21,050***
Total MSW (pounds/person/day)		***7.02***

2007 population 16,437

County generation based on 2007 data.

Douglas County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***726.6***	***7,120***
Newsprint	71.4	700
High Grade Office Paper	37.8	370
Magazines/Catalogs	71.4	700
Uncoated OCC/Kraft	337.8	3,310
Boxboard	40.8	400
Mixed Paper - Recyclable	71.4	700
Compostable Paper	73.5	720
Other Paper	22.5	220
Beverage Containers	***5.1***	***50***
Milk & Juice Cartons/Boxes - Coated	5.1	50
Plastic	***312.3***	***3,060***
#1 PET Bottles/Jars	25.5	250
#1 Other PET Containers	2.0	20
#2 HDPE Bottles/Jars - Clear	10.2	100
#2 HDPE Bottles/Jars - Color	14.3	140
#2 Other HDPE Containers	2.0	20
#6 Exp. Polystyrene Packaging	17.3	170
#3-#7 Other - All	17.3	170
Other Rigid Plastic Products	90.8	890
Grocery & Merchandise Bags	11.2	110
Trash Bags	25.5	250
Commercial & Industrial Film	28.6	280
Other Film	30.6	300
Other Plastic	36.7	360
Glass	***86.7***	***850***
Recyclable Glass Bottles & Jars	81.6	800
Flat Glass	4.1	40
Other Glass	1.0	10
Metal	***137.8***	***1,350***
Aluminum Beverage Containers	15.3	150
Other Aluminum	13.3	130
HVAC Ducting	1.0	10
Ferrous Containers (Tin Cans)	26.5	260

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	540
Other Non-Ferrous	5.1	50
Other Metal	21.4	210
Organics	***505.2***	***4,950***
Yard Waste - Compostable	73.5	720
Yard Waste - Woody	67.4	660
Food Scraps	236.8	2,320
Bottom Fines & Dirt	20.4	200
Diapers	46.9	460
Other Organic	60.2	590
Inorganics	***135.7***	***1,330***
Televisions	6.1	60
Computer Monitors	4.1	40
Computer Equipment/Peripherals	5.1	50
Electronic Equipment	24.5	240
White Goods - Refrigerated	8.2	80
White Goods - Not refrigerated	19.4	190
Lead-acid Batteries	16.3	160
Other Household Batteries	1.0	10
Tires	28.6	280
Household Bulky Items	22.5	220
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***150.0***	***1,470***
Carpet	38.8	380
Carpet Padding	5.1	50
Clothing	44.9	440
Other Textiles	61.2	600
Household Hazardous Waste	***27.6***	***270***
Construction and Demolition Debris (C&D)	***653.1***	***6,400***
Total MSW (tons)		***26,850***
Total MSW (pounds/person/day)		***7.51***

2007 population 19,598

County generation based on 2007 data.

DuPage County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***1,104.8***	***513,290***
Newsprint	173.9	80,780
High Grade Office Paper	67.3	31,270
Magazines/Catalogs	70.9	32,930
Uncoated OCC/Kraft	584.9	271,730
Boxboard	40.6	18,850
Mixed Paper - Recyclable	71.2	33,100
Compostable Paper	73.9	34,330
Other Paper	22.2	10,300
Beverage Containers	***5.4***	***2,490***
Milk & Juice Cartons/Boxes - Coated	5.4	2,490
Plastic	***373.5***	***173,520***
#1 PET Bottles/Jars	25.6	11,900
#1 Other PET Containers	2.2	1,000
#2 HDPE Bottles/Jars - Clear	10.0	4,660
#2 HDPE Bottles/Jars - Color	14.6	6,770
#2 Other HDPE Containers	2.0	950
#6 Exp. Polystyrene Packaging	24.3	11,290
#3-#7 Other - All	24.6	11,430
Other Rigid Plastic Products	91.2	42,370
Grocery & Merchandise Bags	17.3	8,050
Trash Bags	25.8	12,000
Commercial & Industrial Film	46.4	21,570
Other Film	30.3	14,060
Other Plastic	59.1	27,470
Glass	***86.2***	***40,060***
Recyclable Glass Bottles & Jars	80.9	37,590
Flat Glass	3.8	1,770
Other Glass	1.5	700
Metal	***138.2***	***64,200***
Aluminum Beverage Containers	15.7	7,290
Other Aluminum	13.0	6,040
HVAC Ducting	0.6	300
Ferrous Containers (Tin Cans)	27.0	12,540

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	25,660
Other Non-Ferrous	5.1	2,390
Other Metal	21.5	9,980
Organics	***584.8***	***271,690***
Yard Waste - Compostable	73.3	34,070
Yard Waste - Woody	67.3	31,270
Food Scraps	316.8	147,200
Bottom Fines & Dirt	20.0	9,310
Diapers	46.8	21,720
Other Organic	60.5	28,120
Inorganics	***136.5***	***63,440***
Televisions	6.5	3,020
Computer Monitors	4.6	2,130
Computer Equipment/Peripherals	5.3	2,440
Electronic Equipment	24.2	11,260
White Goods - Refrigerated	8.6	4,010
White Goods - Not refrigerated	19.0	8,820
Lead-acid Batteries	16.0	7,430
Other Household Batteries	1.1	500
Tires	29.0	13,460
Household Bulky Items	22.2	10,330
Fluorescent Lights/Ballasts	0.1	40
Textiles	***214.6***	***99,720***
Carpet	38.8	18,010
Carpet Padding	5.7	2,650
Clothing	71.5	33,230
Other Textiles	98.6	45,830
Household Hazardous Waste	***28.8***	***13,370***
Construction and Demolition Debris (C&D)	***682.6***	***317,110***
Total MSW (tons)		***1,558,890***
Total MSW (pounds/person/day)		***9.19***

2007 population 929,192

County generation based on 2007 data.

Edgar County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***630.1***	***5,960***
Newsprint	58.1	550
High Grade Office Paper	31.7	300
Magazines/Catalogs	68.7	650
Uncoated OCC/Kraft	264.3	2,500
Boxboard	40.2	380
Mixed Paper - Recyclable	70.8	670
Compostable Paper	74.0	700
Other Paper	22.2	210
Beverage Containers	***5.3***	***50***
Milk & Juice Cartons/Boxes - Coated	5.3	50
Plastic	***299.2***	***2,830***
#1 PET Bottles/Jars	25.4	240
#1 Other PET Containers	2.1	20
#2 HDPE Bottles/Jars - Clear	9.5	90
#2 HDPE Bottles/Jars - Color	14.8	140
#2 Other HDPE Containers	2.1	20
#6 Exp. Polystyrene Packaging	15.9	150
#3-#7 Other - All	15.9	150
Other Rigid Plastic Products	90.9	860
Grocery & Merchandise Bags	9.5	90
Trash Bags	25.4	240
Commercial & Industrial Film	25.4	240
Other Film	30.7	290
Other Plastic	31.7	300
Glass	***86.7***	***820***
Recyclable Glass Bottles & Jars	81.4	770
Flat Glass	4.2	40
Other Glass	1.1	10
Metal	***138.5***	***1,310***
Aluminum Beverage Containers	15.9	150
Other Aluminum	12.7	120
HVAC Ducting	1.1	10
Ferrous Containers (Tin Cans)	27.5	260

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	520
Other Non-Ferrous	5.3	50
Other Metal	21.1	200
Organics	***464.1***	***4,390***
Yard Waste - Compostable	72.9	690
Yard Waste - Woody	67.7	640
Food Scraps	196.6	1,860
Bottom Fines & Dirt	20.1	190
Diapers	46.5	440
Other Organic	60.3	570
Inorganics	***135.3***	***1,280***
Televisions	6.3	60
Computer Monitors	4.2	40
Computer Equipment/Peripherals	5.3	50
Electronic Equipment	24.3	230
White Goods - Refrigerated	8.5	80
White Goods - Not refrigerated	19.0	180
Lead-acid Batteries	15.9	150
Other Household Batteries	1.1	10
Tires	28.5	270
Household Bulky Items	22.2	210
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***136.4***	***1,290***
Carpet	38.1	360
Carpet Padding	5.3	50
Clothing	39.1	370
Other Textiles	53.9	510
Household Hazardous Waste	***27.5***	***260***
Construction and Demolition Debris (C&D)	***647.0***	***6,120***
Total MSW (tons)		***24,310***
Total MSW (pounds/person/day)		***7.04***

2007 population 18,919

County generation based on 2007 data.

Edwards County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***687.8***	***2,260***
Newsprint	54.8	180
High Grade Office Paper	39.6	130
Magazines/Catalogs	67.0	220
Uncoated OCC/Kraft	322.6	1,060
Boxboard	39.6	130
Mixed Paper - Recyclable	70.0	230
Compostable Paper	73.0	240
Other Paper	21.3	70
Beverage Containers	***6.1***	***20***
Milk & Juice Cartons/Boxes - Coated	6.1	20
Plastic	***307.4***	***1,010***
#1 PET Bottles/Jars	24.3	80
#1 Other PET Containers	3.0	10
#2 HDPE Bottles/Jars - Clear	9.1	30
#2 HDPE Bottles/Jars - Color	15.2	50
#2 Other HDPE Containers	3.0	10
#6 Exp. Polystyrene Packaging	18.3	60
#3-#7 Other - All	18.3	60
Other Rigid Plastic Products	91.3	300
Grocery & Merchandise Bags	9.1	30
Trash Bags	24.3	80
Commercial & Industrial Film	27.4	90
Other Film	30.4	100
Other Plastic	33.5	110
Glass	***85.2***	***280***
Recyclable Glass Bottles & Jars	82.2	270
Flat Glass	3.0	10
Other Glass	0.0	0
Metal	***136.9***	***450***
Aluminum Beverage Containers	15.2	50
Other Aluminum	12.2	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.4	90

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.8	180
Other Non-Ferrous	6.1	20
Other Metal	21.3	70
Organics	***453.4***	***1,490***
Yard Waste - Compostable	73.0	240
Yard Waste - Woody	67.0	220
Food Scraps	185.6	610
Bottom Fines & Dirt	21.3	70
Diapers	45.6	150
Other Organic	60.9	200
Inorganics	***136.9***	***450***
Televisions	6.1	20
Computer Monitors	6.1	20
Computer Equipment/Peripherals	6.1	20
Electronic Equipment	24.3	80
White Goods - Refrigerated	9.1	30
White Goods - Not refrigerated	18.3	60
Lead-acid Batteries	15.2	50
Other Household Batteries	0.0	0
Tires	30.4	100
Household Bulky Items	21.3	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***136.9***	***450***
Carpet	36.5	120
Carpet Padding	6.1	20
Clothing	39.6	130
Other Textiles	54.8	180
Household Hazardous Waste	***27.4***	***90***
Construction and Demolition Debris (C&D)	***651.2***	***2,140***
Total MSW (tons)		***8,640***
Total MSW (pounds/person/day)		***7.20***

2007 population 6,572

County generation based on 2007 data.

Effingham County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***949.6***	***16,250***
Newsprint	102.8	1,760
High Grade Office Paper	50.3	860
Magazines/Catalogs	70.7	1,210
Uncoated OCC/Kraft	518.3	8,870
Boxboard	40.3	690
Mixed Paper - Recyclable	71.3	1,220
Compostable Paper	73.6	1,260
Other Paper	22.2	380
Beverage Containers	***5.3***	***90***
Milk & Juice Cartons/Boxes - Coated	5.3	90
Plastic	***311.5***	***5,330***
#1 PET Bottles/Jars	25.7	440
#1 Other PET Containers	2.3	40
#2 HDPE Bottles/Jars - Clear	9.9	170
#2 HDPE Bottles/Jars - Color	14.6	250
#2 Other HDPE Containers	2.3	40
#6 Exp. Polystyrene Packaging	16.9	290
#3-#7 Other - All	16.9	290
Other Rigid Plastic Products	91.2	1,560
Grocery & Merchandise Bags	10.5	180
Trash Bags	25.7	440
Commercial & Industrial Film	28.6	490
Other Film	30.4	520
Other Plastic	36.2	620
Glass	***86.5***	***1,480***
Recyclable Glass Bottles & Jars	80.6	1,380
Flat Glass	4.1	70
Other Glass	1.8	30
Metal	***138.5***	***2,370***
Aluminum Beverage Containers	15.8	270
Other Aluminum	12.9	220
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	26.9	460

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.5	950
Other Non-Ferrous	5.3	90
Other Metal	21.6	370
Organics	***636.4***	***10,890***
Yard Waste - Compostable	73.0	1,250
Yard Waste - Woody	67.2	1,150
Food Scraps	368.7	6,310
Bottom Fines & Dirt	19.9	340
Diapers	46.7	800
Other Organic	60.8	1,040
Inorganics	***136.2***	***2,330***
Televisions	6.4	110
Computer Monitors	4.7	80
Computer Equipment/Peripherals	5.3	90
Electronic Equipment	24.0	410
White Goods - Refrigerated	8.8	150
White Goods - Not refrigerated	18.7	320
Lead-acid Batteries	15.8	270
Other Household Batteries	1.2	20
Tires	29.2	500
Household Bulky Items	22.2	380
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***150.2***	***2,570***
Carpet	39.2	670
Carpet Padding	5.8	100
Clothing	44.4	760
Other Textiles	60.8	1,040
Household Hazardous Waste	***28.0***	***480***
Construction and Demolition Debris (C&D)	***651.6***	***11,150***
Total MSW (tons)		***52,940***
Total MSW (pounds/person/day)		***8.48***

2007 population 34,225

County generation based on 2007 data.

Fayette County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***603.7***	***6,480***
Newsprint	47.5	510
High Grade Office Paper	26.1	280
Magazines/Catalogs	66.2	710
Uncoated OCC/Kraft	256.2	2,750
Boxboard	41.0	440
Mixed Paper - Recyclable	70.8	760
Compostable Paper	73.6	790
Other Paper	22.4	240
Beverage Containers	***5.6***	***60***
Milk & Juice Cartons/Boxes - Coated	5.6	60
Plastic	***287.0***	***3,080***
#1 PET Bottles/Jars	25.2	270
#1 Other PET Containers	1.9	20
#2 HDPE Bottles/Jars - Clear	10.2	110
#2 HDPE Bottles/Jars - Color	14.9	160
#2 Other HDPE Containers	1.9	20
#6 Exp. Polystyrene Packaging	14.0	150
#3-#7 Other - All	14.0	150
Other Rigid Plastic Products	91.3	980
Grocery & Merchandise Bags	8.4	90
Trash Bags	26.1	280
Commercial & Industrial Film	21.4	230
Other Film	29.8	320
Other Plastic	28.0	300
Glass	***86.6***	***930***
Recyclable Glass Bottles & Jars	81.1	870
Flat Glass	3.7	40
Other Glass	1.9	20
Metal	***138.8***	***1,490***
Aluminum Beverage Containers	15.8	170
Other Aluminum	13.0	140
HVAC Ducting	0.9	10
Ferrous Containers (Tin Cans)	27.0	290

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	590
Other Non-Ferrous	5.6	60
Other Metal	21.4	230
Organics	***482.6***	***5,180***
Yard Waste - Compostable	73.6	790
Yard Waste - Woody	67.1	720
Food Scraps	214.3	2,300
Bottom Fines & Dirt	20.5	220
Diapers	46.6	500
Other Organic	60.6	650
Inorganics	***136.0***	***1,460***
Televisions	6.5	70
Computer Monitors	4.7	50
Computer Equipment/Peripherals	5.6	60
Electronic Equipment	24.2	260
White Goods - Refrigerated	8.4	90
White Goods - Not refrigerated	18.6	200
Lead-acid Batteries	15.8	170
Other Household Batteries	0.9	10
Tires	28.9	310
Household Bulky Items	22.4	240
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***123.9***	***1,330***
Carpet	39.1	420
Carpet Padding	5.6	60
Clothing	33.5	360
Other Textiles	45.7	490
Household Hazardous Waste	***28.0***	***300***
Construction and Demolition Debris (C&D)	***640.1***	***6,870***
Total MSW (tons)		***27,180***
Total MSW (pounds/person/day)		***6.94***

2007 population 21,466

County generation based on 2007 data.

Ford County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***683.1***	***4,840***
Newsprint	96.0	680
High Grade Office Paper	31.1	220
Magazines/Catalogs	69.2	490
Uncoated OCC/Kraft	279.5	1,980
Boxboard	40.9	290
Mixed Paper - Recyclable	70.6	500
Compostable Paper	73.4	520
Other Paper	22.6	160
Beverage Containers	***5.6***	***40***
Milk & Juice Cartons/Boxes - Coated	5.6	40
Plastic	***307.7***	***2,180***
#1 PET Bottles/Jars	25.4	180
#1 Other PET Containers	2.8	20
#2 HDPE Bottles/Jars - Clear	9.9	70
#2 HDPE Bottles/Jars - Color	14.1	100
#2 Other HDPE Containers	1.4	10
#6 Exp. Polystyrene Packaging	15.5	110
#3-#7 Other - All	16.9	120
Other Rigid Plastic Products	91.7	650
Grocery & Merchandise Bags	9.9	70
Trash Bags	25.4	180
Commercial & Industrial Film	28.2	200
Other Film	29.6	210
Other Plastic	36.7	260
Glass	***86.1***	***610***
Recyclable Glass Bottles & Jars	80.5	570
Flat Glass	4.2	30
Other Glass	1.4	10
Metal	***136.9***	***970***
Aluminum Beverage Containers	15.5	110
Other Aluminum	12.7	90
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.8	190

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	390
Other Non-Ferrous	5.6	40
Other Metal	21.2	150
Organics	***481.3***	***3,410***
Yard Waste - Compostable	73.4	520
Yard Waste - Woody	67.7	480
Food Scraps	213.1	1,510
Bottom Fines & Dirt	19.8	140
Diapers	46.6	330
Other Organic	60.7	430
Inorganics	***136.9***	***970***
Televisions	7.1	50
Computer Monitors	4.2	30
Computer Equipment/Peripherals	5.6	40
Electronic Equipment	24.0	170
White Goods - Refrigerated	8.5	60
White Goods - Not refrigerated	18.3	130
Lead-acid Batteries	15.5	110
Other Household Batteries	1.4	10
Tires	29.6	210
Household Bulky Items	22.6	160
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***146.8***	***1,040***
Carpet	38.1	270
Carpet Padding	5.6	40
Clothing	43.8	310
Other Textiles	59.3	420
Household Hazardous Waste	***28.2***	***200***
Construction and Demolition Debris (C&D)	***652.1***	***4,620***
Total MSW (tons)		***18,880***
Total MSW (pounds/person/day)		***7.30***

2007 population 14,170

County generation based on 2007 data.

Franklin County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***578.9***	***11,430***
Newsprint	74.4	1,470
High Grade Office Paper	20.8	410
Magazines/Catalogs	66.3	1,310
Uncoated OCC/Kraft	209.2	4,130
Boxboard	40.5	800
Mixed Paper - Recyclable	71.4	1,410
Compostable Paper	73.9	1,460
Other Paper	22.3	440
Beverage Containers	***5.6***	***110***
Milk & Juice Cartons/Boxes - Coated	5.6	110
Plastic	***287.2***	***5,670***
#1 PET Bottles/Jars	25.8	510
#1 Other PET Containers	2.0	40
#2 HDPE Bottles/Jars - Clear	10.1	200
#2 HDPE Bottles/Jars - Color	14.7	290
#2 Other HDPE Containers	2.0	40
#6 Exp. Polystyrene Packaging	13.7	270
#3-#7 Other - All	13.7	270
Other Rigid Plastic Products	91.2	1,800
Grocery & Merchandise Bags	8.1	160
Trash Bags	25.8	510
Commercial & Industrial Film	21.8	430
Other Film	30.4	600
Other Plastic	27.9	550
Glass	***86.1***	***1,700***
Recyclable Glass Bottles & Jars	80.5	1,590
Flat Glass	4.1	80
Other Glass	1.5	30
Metal	***137.8***	***2,720***
Aluminum Beverage Containers	15.7	310
Other Aluminum	13.2	260
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	26.8	530

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,090
Other Non-Ferrous	5.1	100
Other Metal	21.3	420
Organics	***484.2***	***9,560***
Yard Waste - Compostable	73.4	1,450
Yard Waste - Woody	67.4	1,330
Food Scraps	215.7	4,260
Bottom Fines & Dirt	20.3	400
Diapers	46.6	920
Other Organic	60.8	1,200
Inorganics	***136.2***	***2,690***
Televisions	6.6	130
Computer Monitors	4.6	90
Computer Equipment/Peripherals	5.1	100
Electronic Equipment	24.3	480
White Goods - Refrigerated	8.6	170
White Goods - Not refrigerated	18.7	370
Lead-acid Batteries	16.2	320
Other Household Batteries	1.0	20
Tires	28.9	570
Household Bulky Items	22.3	440
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***125.1***	***2,470***
Carpet	39.0	770
Carpet Padding	6.1	120
Clothing	33.4	660
Other Textiles	46.6	920
Household Hazardous Waste	***28.9***	***570***
Construction and Demolition Debris (C&D)	***640.1***	***12,640***
Total MSW (tons)		***49,560***
Total MSW (pounds/person/day)		***6.88***

2007 population 39,491

County generation based on 2007 data.

Fulton County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***593.9***	***10,940***
Newsprint	93.9	1,730
High Grade Office Paper	21.2	390
Magazines/Catalogs	68.9	1,270
Uncoated OCC/Kraft	201.9	3,720
Boxboard	40.7	750
Mixed Paper - Recyclable	71.1	1,310
Compostable Paper	73.8	1,360
Other Paper	22.3	410
Beverage Containers	***5.4***	***100***
Milk & Juice Cartons/Boxes - Coated	5.4	100
Plastic	***298.0***	***5,490***
#1 PET Bottles/Jars	25.5	470
#1 Other PET Containers	2.2	40
#2 HDPE Bottles/Jars - Clear	9.8	180
#2 HDPE Bottles/Jars - Color	14.7	270
#2 Other HDPE Containers	2.2	40
#6 Exp. Polystyrene Packaging	14.7	270
#3-#7 Other - All	15.2	280
Other Rigid Plastic Products	91.2	1,680
Grocery & Merchandise Bags	9.2	170
Trash Bags	26.1	480
Commercial & Industrial Film	25.0	460
Other Film	30.4	560
Other Plastic	32.0	590
Glass	***85.8***	***1,580***
Recyclable Glass Bottles & Jars	80.3	1,480
Flat Glass	3.8	70
Other Glass	1.6	30
Metal	***138.4***	***2,550***
Aluminum Beverage Containers	15.7	290
Other Aluminum	13.0	240
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	27.1	500

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	1,020
Other Non-Ferrous	4.9	90
Other Metal	21.7	400
Organics	***478.8***	***8,820***
Yard Waste - Compostable	73.3	1,350
Yard Waste - Woody	67.3	1,240
Food Scraps	210.6	3,880
Bottom Fines & Dirt	20.1	370
Diapers	46.7	860
Other Organic	60.8	1,120
Inorganics	***136.3***	***2,510***
Televisions	6.5	120
Computer Monitors	4.3	80
Computer Equipment/Peripherals	5.4	100
Electronic Equipment	24.4	450
White Goods - Refrigerated	8.7	160
White Goods - Not refrigerated	19.0	350
Lead-acid Batteries	15.7	290
Other Household Batteries	1.1	20
Tires	28.8	530
Household Bulky Items	22.3	410
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***136.8***	***2,520***
Carpet	39.1	720
Carpet Padding	6.0	110
Clothing	38.5	710
Other Textiles	53.2	980
Household Hazardous Waste	***28.8***	***530***
Construction and Demolition Debris (C&D)	***644.9***	***11,880***
Total MSW (tons)		***46,920***
Total MSW (pounds/person/day)		***6.98***

2007 population 36,843

County generation based on 2007 data.

Gallatin County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***547.7***	***1,650***
Newsprint	43.2	130
High Grade Office Paper	23.2	70
Magazines/Catalogs	66.4	200
Uncoated OCC/Kraft	209.1	630
Boxboard	39.8	120
Mixed Paper - Recyclable	69.7	210
Compostable Paper	73.0	220
Other Paper	23.2	70
Beverage Containers	***6.6***	***20***
Milk & Juice Cartons/Boxes - Coated	6.6	20
Plastic	***285.5***	***860***
#1 PET Bottles/Jars	26.6	80
#1 Other PET Containers	3.3	10
#2 HDPE Bottles/Jars - Clear	10.0	30
#2 HDPE Bottles/Jars - Color	13.3	40
#2 Other HDPE Containers	3.3	10
#6 Exp. Polystyrene Packaging	16.6	50
#3-#7 Other - All	16.6	50
Other Rigid Plastic Products	89.6	270
Grocery & Merchandise Bags	6.6	20
Trash Bags	26.6	80
Commercial & Industrial Film	19.9	60
Other Film	29.9	90
Other Plastic	23.2	70
Glass	***83.0***	***250***
Recyclable Glass Bottles & Jars	79.7	240
Flat Glass	3.3	10
Other Glass	0.0	0
Metal	***139.4***	***420***
Aluminum Beverage Containers	16.6	50
Other Aluminum	13.3	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.6	80

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	56.4	170
Other Non-Ferrous	6.6	20
Other Metal	19.9	60
Organics	***444.8***	***1,340***
Yard Waste - Compostable	73.0	220
Yard Waste - Woody	66.4	200
Food Scraps	179.3	540
Bottom Fines & Dirt	19.9	60
Diapers	46.5	140
Other Organic	59.8	180
Inorganics	***139.4***	***420***
Televisions	6.6	20
Computer Monitors	3.3	10
Computer Equipment/Peripherals	6.6	20
Electronic Equipment	23.2	70
White Goods - Refrigerated	10.0	30
White Goods - Not refrigerated	19.9	60
Lead-acid Batteries	16.6	50
Other Household Batteries	0.0	0
Tires	29.9	90
Household Bulky Items	23.2	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***116.2***	***350***
Carpet	36.5	110
Carpet Padding	6.6	20
Clothing	29.9	90
Other Textiles	43.2	130
Household Hazardous Waste	***29.9***	***90***
Construction and Demolition Debris (C&D)	***637.3***	***1,920***
Total MSW (tons)		***7,320***
Total MSW (pounds/person/day)		***6.66***

2007 population 6,025

County generation based on 2007 data.

Greene County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***521.2***	***3,620***
Newsprint	74.9	520
High Grade Office Paper	21.6	150
Magazines/Catalogs	67.7	470
Uncoated OCC/Kraft	151.2	1,050
Boxboard	40.3	280
Mixed Paper - Recyclable	70.6	490
Compostable Paper	73.4	510
Other Paper	21.6	150
Beverage Containers	***5.8***	***40***
Milk & Juice Cartons/Boxes - Coated	5.8	40
Plastic	***292.3***	***2,030***
#1 PET Bottles/Jars	25.9	180
#1 Other PET Containers	1.4	10
#2 HDPE Bottles/Jars - Clear	10.1	70
#2 HDPE Bottles/Jars - Color	14.4	100
#2 Other HDPE Containers	1.4	10
#6 Exp. Polystyrene Packaging	14.4	100
#3-#7 Other - All	14.4	100
Other Rigid Plastic Products	90.7	630
Grocery & Merchandise Bags	8.6	60
Trash Bags	25.9	180
Commercial & Industrial Film	24.5	170
Other Film	30.2	210
Other Plastic	30.2	210
Glass	***86.4***	***600***
Recyclable Glass Bottles & Jars	80.6	560
Flat Glass	4.3	30
Other Glass	1.4	10
Metal	***138.2***	***960***
Aluminum Beverage Containers	15.8	110
Other Aluminum	13.0	90
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.4	190

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.7	380
Other Non-Ferrous	5.8	40
Other Metal	21.6	150
Organics	***465.1***	***3,230***
Yard Waste - Compostable	73.4	510
Yard Waste - Woody	67.7	470
Food Scraps	197.3	1,370
Bottom Fines & Dirt	20.2	140
Diapers	46.1	320
Other Organic	60.5	420
Inorganics	***136.8***	***950***
Televisions	7.2	50
Computer Monitors	4.3	30
Computer Equipment/Peripherals	5.8	40
Electronic Equipment	24.5	170
White Goods - Refrigerated	8.6	60
White Goods - Not refrigerated	18.7	130
Lead-acid Batteries	15.8	110
Other Household Batteries	1.4	10
Tires	28.8	200
Household Bulky Items	21.6	150
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***133.9***	***930***
Carpet	38.9	270
Carpet Padding	5.8	40
Clothing	37.4	260
Other Textiles	51.8	360
Household Hazardous Waste	***28.8***	***200***
Construction and Demolition Debris (C&D)	***642.2***	***4,460***
Total MSW (tons)		***17,020***
Total MSW (pounds/person/day)		***6.71***

2007 population 13,890

County generation based on 2007 data.

Grundy County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***781.9***	***18,430***
Newsprint	147.6	3,480
High Grade Office Paper	43.3	1,020
Magazines/Catalogs	71.3	1,680
Uncoated OCC/Kraft	311.8	7,350
Boxboard	40.7	960
Mixed Paper - Recyclable	71.3	1,680
Compostable Paper	73.8	1,740
Other Paper	22.1	520
Beverage Containers	***5.5***	***130***
Milk & Juice Cartons/Boxes - Coated	5.5	130
Plastic	***345.7***	***8,150***
#1 PET Bottles/Jars	25.5	600
#1 Other PET Containers	2.1	50
#2 HDPE Bottles/Jars - Clear	10.2	240
#2 HDPE Bottles/Jars - Color	14.4	340
#2 Other HDPE Containers	2.1	50
#6 Exp. Polystyrene Packaging	20.8	490
#3-#7 Other - All	21.2	500
Other Rigid Plastic Products	91.2	2,150
Grocery & Merchandise Bags	14.4	340
Trash Bags	25.9	610
Commercial & Industrial Film	38.6	910
Other Film	30.1	710
Other Plastic	49.2	1,160
Glass	***86.5***	***2,040***
Recyclable Glass Bottles & Jars	81.0	1,910
Flat Glass	3.8	90
Other Glass	1.7	40
Metal	***138.7***	***3,270***
Aluminum Beverage Containers	15.7	370
Other Aluminum	13.2	310
HVAC Ducting	0.8	20
Ferrous Containers (Tin Cans)	27.2	640

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,300
Other Non-Ferrous	5.1	120
Other Metal	21.6	510
Organics	***510.4***	***12,030***
Yard Waste - Compostable	73.4	1,730
Yard Waste - Woody	67.5	1,590
Food Scraps	242.2	5,710
Bottom Fines & Dirt	19.9	470
Diapers	46.7	1,100
Other Organic	60.7	1,430
Inorganics	***136.2***	***3,210***
Televisions	6.4	150
Computer Monitors	4.7	110
Computer Equipment/Peripherals	5.1	120
Electronic Equipment	24.2	570
White Goods - Refrigerated	8.5	200
White Goods - Not refrigerated	19.1	450
Lead-acid Batteries	16.1	380
Other Household Batteries	1.3	30
Tires	28.8	680
Household Bulky Items	22.1	520
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***185.0***	***4,360***
Carpet	38.6	910
Carpet Padding	5.9	140
Clothing	59.0	1,390
Other Textiles	81.5	1,920
Household Hazardous Waste	***28.8***	***680***
Construction and Demolition Debris (C&D)	***669.4***	***15,780***
Total MSW (tons)		***68,080***
Total MSW (pounds/person/day)		***7.91***

2007 population 47,144

County generation based on 2007 data.

Hamilton County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***514.3***	***2,120***
Newsprint	41.2	170
High Grade Office Paper	21.8	90
Magazines/Catalogs	67.9	280
Uncoated OCC/Kraft	177.1	730
Boxboard	41.2	170
Mixed Paper - Recyclable	70.3	290
Compostable Paper	72.8	300
Other Paper	21.8	90
Beverage Containers	***4.9***	***20***
Milk & Juice Cartons/Boxes - Coated	4.9	20
Plastic	***291.1***	***1,200***
#1 PET Bottles/Jars	26.7	110
#1 Other PET Containers	2.4	10
#2 HDPE Bottles/Jars - Clear	9.7	40
#2 HDPE Bottles/Jars - Color	14.6	60
#2 Other HDPE Containers	2.4	10
#6 Exp. Polystyrene Packaging	14.6	60
#3-#7 Other - All	14.6	60
Other Rigid Plastic Products	92.2	380
Grocery & Merchandise Bags	7.3	30
Trash Bags	26.7	110
Commercial & Industrial Film	21.8	90
Other Film	29.1	120
Other Plastic	29.1	120
Glass	***87.3***	***360***
Recyclable Glass Bottles & Jars	80.0	330
Flat Glass	4.9	20
Other Glass	2.4	10
Metal	***135.8***	***560***
Aluminum Beverage Containers	14.6	60
Other Aluminum	12.1	50
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.7	110

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.8	230
Other Non-Ferrous	4.9	20
Other Metal	21.8	90
Organics	***451.2***	***1,860***
Yard Waste - Compostable	72.8	300
Yard Waste - Woody	67.9	280
Food Scraps	184.4	760
Bottom Fines & Dirt	19.4	80
Diapers	46.1	190
Other Organic	60.6	250
Inorganics	***138.3***	***570***
Televisions	7.3	30
Computer Monitors	4.9	20
Computer Equipment/Peripherals	4.9	20
Electronic Equipment	24.3	100
White Goods - Refrigerated	9.7	40
White Goods - Not refrigerated	19.4	80
Lead-acid Batteries	17.0	70
Other Household Batteries	0.0	0
Tires	29.1	120
Household Bulky Items	21.8	90
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***126.1***	***520***
Carpet	38.8	160
Carpet Padding	4.9	20
Clothing	34.0	140
Other Textiles	48.5	200
Household Hazardous Waste	***31.5***	***130***
Construction and Demolition Debris (C&D)	***638.0***	***2,630***
Total MSW (tons)		***9,970***
Total MSW (pounds/person/day)		***6.63***

2007 population 8,245

County generation based on 2007 data.

Hancock County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***524.4***	***4,940***
Newsprint	44.6	420
High Grade Office Paper	21.2	200
Magazines/Catalogs	72.2	680
Uncoated OCC/Kraft	178.4	1,680
Boxboard	40.3	380
Mixed Paper - Recyclable	71.1	670
Compostable Paper	74.3	700
Other Paper	22.3	210
Beverage Containers	***5.3***	***50***
Milk & Juice Cartons/Boxes - Coated	5.3	50
Plastic	***301.5***	***2,840***
#1 PET Bottles/Jars	25.5	240
#1 Other PET Containers	2.1	20
#2 HDPE Bottles/Jars - Clear	9.6	90
#2 HDPE Bottles/Jars - Color	14.9	140
#2 Other HDPE Containers	2.1	20
#6 Exp. Polystyrene Packaging	15.9	150
#3-#7 Other - All	15.9	150
Other Rigid Plastic Products	91.3	860
Grocery & Merchandise Bags	9.6	90
Trash Bags	25.5	240
Commercial & Industrial Film	25.5	240
Other Film	30.8	290
Other Plastic	32.9	310
Glass	***86.0***	***810***
Recyclable Glass Bottles & Jars	80.7	760
Flat Glass	4.2	40
Other Glass	1.1	10
Metal	***138.0***	***1,300***
Aluminum Beverage Containers	15.9	150
Other Aluminum	12.7	120
HVAC Ducting	1.1	10
Ferrous Containers (Tin Cans)	26.5	250

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	520
Other Non-Ferrous	5.3	50
Other Metal	21.2	200
Organics	***486.2***	***4,580***
Yard Waste - Compostable	73.3	690
Yard Waste - Woody	66.9	630
Food Scraps	218.7	2,060
Bottom Fines & Dirt	20.2	190
Diapers	46.7	440
Other Organic	60.5	570
Inorganics	***135.9***	***1,280***
Televisions	6.4	60
Computer Monitors	4.2	40
Computer Equipment/Peripherals	5.3	50
Electronic Equipment	24.4	230
White Goods - Refrigerated	8.5	80
White Goods - Not refrigerated	19.1	180
Lead-acid Batteries	15.9	150
Other Household Batteries	1.1	10
Tires	28.7	270
Household Bulky Items	22.3	210
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***139.1***	***1,310***
Carpet	38.2	360
Carpet Padding	5.3	50
Clothing	40.3	380
Other Textiles	55.2	520
Household Hazardous Waste	***27.6***	***260***
Construction and Demolition Debris (C&D)	***649.7***	***6,120***
Total MSW (tons)		***23,490***
Total MSW (pounds/person/day)		***6.83***

2007 population 18,839

County generation based on 2007 data.

Hardin County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***496.9***	***1,110***
Newsprint	31.3	70
High Grade Office Paper	22.4	50
Magazines/Catalogs	62.7	140
Uncoated OCC/Kraft	170.1	380
Boxboard	40.3	90
Mixed Paper - Recyclable	71.6	160
Compostable Paper	76.1	170
Other Paper	22.4	50
Beverage Containers	***4.5***	***10***
Milk & Juice Cartons/Boxes - Coated	4.5	10
Plastic	***282.0***	***630***
#1 PET Bottles/Jars	26.9	60
#1 Other PET Containers	0.0	0
#2 HDPE Bottles/Jars - Clear	9.0	20
#2 HDPE Bottles/Jars - Color	13.4	30
#2 Other HDPE Containers	0.0	0
#6 Exp. Polystyrene Packaging	13.4	30
#3-#7 Other - All	13.4	30
Other Rigid Plastic Products	89.5	200
Grocery & Merchandise Bags	9.0	20
Trash Bags	26.9	60
Commercial & Industrial Film	22.4	50
Other Film	31.3	70
Other Plastic	26.9	60
Glass	***85.0***	***190***
Recyclable Glass Bottles & Jars	80.6	180
Flat Glass	4.5	10
Other Glass	0.0	0
Metal	***138.8***	***310***
Aluminum Beverage Containers	17.9	40
Other Aluminum	13.4	30
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.9	60

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	53.7	120
Other Non-Ferrous	4.5	10
Other Metal	22.4	50
Organics	***443.2***	***990***
Yard Waste - Compostable	71.6	160
Yard Waste - Woody	67.1	150
Food Scraps	179.1	400
Bottom Fines & Dirt	17.9	40
Diapers	44.8	100
Other Organic	62.7	140
Inorganics	***129.8***	***290***
Televisions	4.5	10
Computer Monitors	4.5	10
Computer Equipment/Peripherals	4.5	10
Electronic Equipment	22.4	50
White Goods - Refrigerated	9.0	20
White Goods - Not refrigerated	17.9	40
Lead-acid Batteries	17.9	40
Other Household Batteries	0.0	0
Tires	26.9	60
Household Bulky Items	22.4	50
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***125.3***	***280***
Carpet	35.8	80
Carpet Padding	4.5	10
Clothing	35.8	80
Other Textiles	49.2	110
Household Hazardous Waste	***22.4***	***50***
Construction and Demolition Debris (C&D)	***640.1***	***1,430***
Total MSW (tons)		***5,290***
Total MSW (pounds/person/day)		***6.49***

2007 population 4,468

County generation based on 2007 data.

Henderson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***419.1***	***1,590***
Newsprint	36.9	140
High Grade Office Paper	21.1	80
Magazines/Catalogs	65.9	250
Uncoated OCC/Kraft	89.6	340
Boxboard	39.5	150
Mixed Paper - Recyclable	71.2	270
Compostable Paper	73.8	280
Other Paper	21.1	80
Beverage Containers	***5.3***	***20***
Milk & Juice Cartons/Boxes - Coated	5.3	20
Plastic	***303.2***	***1,150***
#1 PET Bottles/Jars	26.4	100
#1 Other PET Containers	2.6	10
#2 HDPE Bottles/Jars - Clear	10.5	40
#2 HDPE Bottles/Jars - Color	15.8	60
#2 Other HDPE Containers	2.6	10
#6 Exp. Polystyrene Packaging	15.8	60
#3-#7 Other - All	15.8	60
Other Rigid Plastic Products	92.3	350
Grocery & Merchandise Bags	10.5	40
Trash Bags	26.4	100
Commercial & Industrial Film	23.7	90
Other Film	29.0	110
Other Plastic	31.6	120
Glass	***87.0***	***330***
Recyclable Glass Bottles & Jars	81.7	310
Flat Glass	2.6	10
Other Glass	2.6	10
Metal	***137.1***	***520***
Aluminum Beverage Containers	15.8	60
Other Aluminum	13.2	50
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.4	100

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	210
Other Non-Ferrous	5.3	20
Other Metal	21.1	80
Organics	***461.3***	***1,750***
Yard Waste - Compostable	73.8	280
Yard Waste - Woody	68.5	260
Food Scraps	189.8	720
Bottom Fines & Dirt	21.1	80
Diapers	47.4	180
Other Organic	60.6	230
Inorganics	***131.8***	***500***
Televisions	5.3	20
Computer Monitors	5.3	20
Computer Equipment/Peripherals	5.3	20
Electronic Equipment	23.7	90
White Goods - Refrigerated	7.9	30
White Goods - Not refrigerated	18.5	70
Lead-acid Batteries	15.8	60
Other Household Batteries	0.0	0
Tires	29.0	110
Household Bulky Items	21.1	80
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***137.1***	***520***
Carpet	39.5	150
Carpet Padding	5.3	20
Clothing	39.5	150
Other Textiles	52.7	200
Household Hazardous Waste	***29.0***	***110***
Construction and Demolition Debris (C&D)	***645.8***	***2,450***
Total MSW (tons)		***8,940***
Total MSW (pounds/person/day)		***6.46***

2007 population 7,587

County generation based on 2007 data.

Henry County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***536.9***	***13,330***
Newsprint	55.6	1,380
High Grade Office Paper	29.0	720
Magazines/Catalogs	70.5	1,750
Uncoated OCC/Kraft	174.0	4,320
Boxboard	40.7	1,010
Mixed Paper - Recyclable	71.3	1,770
Compostable Paper	73.7	1,830
Other Paper	22.2	550
Beverage Containers	***5.2***	***130***
Milk & Juice Cartons/Boxes - Coated	5.2	130
Plastic	***311.8***	***7,740***
#1 PET Bottles/Jars	25.8	640
#1 Other PET Containers	2.0	50
#2 HDPE Bottles/Jars - Clear	10.1	250
#2 HDPE Bottles/Jars - Color	14.5	360
#2 Other HDPE Containers	2.0	50
#6 Exp. Polystyrene Packaging	16.5	410
#3-#7 Other - All	16.9	420
Other Rigid Plastic Products	91.0	2,260
Grocery & Merchandise Bags	10.9	270
Trash Bags	25.8	640
Commercial & Industrial Film	29.0	720
Other Film	30.2	750
Other Plastic	37.1	920
Glass	***86.2***	***2,140***
Recyclable Glass Bottles & Jars	81.0	2,010
Flat Glass	3.6	90
Other Glass	1.6	40
Metal	***138.2***	***3,430***
Aluminum Beverage Containers	15.7	390
Other Aluminum	12.9	320
HVAC Ducting	0.8	20
Ferrous Containers (Tin Cans)	27.0	670

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,370
Other Non-Ferrous	5.2	130
Other Metal	21.3	530
Organics	***482.5***	***11,980***
Yard Waste - Compostable	73.3	1,820
Yard Waste - Woody	67.3	1,670
Food Scraps	214.7	5,330
Bottom Fines & Dirt	20.1	500
Diapers	46.7	1,160
Other Organic	60.4	1,500
Inorganics	***136.1***	***3,380***
Televisions	6.4	160
Computer Monitors	4.4	110
Computer Equipment/Peripherals	5.2	130
Electronic Equipment	24.2	600
White Goods - Refrigerated	8.5	210
White Goods - Not refrigerated	18.9	470
Lead-acid Batteries	16.1	400
Other Household Batteries	1.2	30
Tires	29.0	720
Household Bulky Items	22.2	550
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***151.0***	***3,750***
Carpet	39.1	970
Carpet Padding	5.6	140
Clothing	44.7	1,110
Other Textiles	61.6	1,530
Household Hazardous Waste	***29.0***	***720***
Construction and Demolition Debris (C&D)	***652.1***	***16,190***
Total MSW (tons)		***62,790***
Total MSW (pounds/person/day)		***6.93***

2007 population 49,654

County generation based on 2007 data.

Iroquois County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***538.7***	***8,160***
Newsprint	99.0	1,500
High Grade Office Paper	23.8	360
Magazines/Catalogs	70.0	1,060
Uncoated OCC/Kraft	138.0	2,090
Boxboard	40.3	610
Mixed Paper - Recyclable	71.3	1,080
Compostable Paper	73.9	1,120
Other Paper	22.4	340
Beverage Containers	***5.3***	***80***
Milk & Juice Cartons/Boxes - Coated	5.3	80
Plastic	***307.7***	***4,660***
#1 PET Bottles/Jars	25.7	390
#1 Other PET Containers	2.0	30
#2 HDPE Bottles/Jars - Clear	9.9	150
#2 HDPE Bottles/Jars - Color	14.5	220
#2 Other HDPE Containers	2.0	30
#6 Exp. Polystyrene Packaging	16.5	250
#3-#7 Other - All	16.5	250
Other Rigid Plastic Products	91.1	1,380
Grocery & Merchandise Bags	10.6	160
Trash Bags	25.7	390
Commercial & Industrial Film	27.7	420
Other Film	30.4	460
Other Plastic	35.0	530
Glass	***85.8***	***1,300***
Recyclable Glass Bottles & Jars	80.5	1,220
Flat Glass	4.0	60
Other Glass	1.3	20
Metal	***139.3***	***2,110***
Aluminum Beverage Containers	15.8	240
Other Aluminum	13.2	200
HVAC Ducting	0.7	10
Ferrous Containers (Tin Cans)	27.1	410

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.5	840
Other Non-Ferrous	5.3	80
Other Metal	21.8	330
Organics	***481.3***	***7,290***
Yard Waste - Compostable	73.3	1,110
Yard Waste - Woody	67.3	1,020
Food Scraps	213.2	3,230
Bottom Fines & Dirt	19.8	300
Diapers	46.9	710
Other Organic	60.7	920
Inorganics	***137.3***	***2,080***
Televisions	6.6	100
Computer Monitors	4.6	70
Computer Equipment/Peripherals	5.3	80
Electronic Equipment	24.4	370
White Goods - Refrigerated	8.6	130
White Goods - Not refrigerated	19.1	290
Lead-acid Batteries	15.8	240
Other Household Batteries	1.3	20
Tires	29.0	440
Household Bulky Items	22.4	340
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***145.9***	***2,210***
Carpet	38.3	580
Carpet Padding	5.9	90
Clothing	42.9	650
Other Textiles	58.8	890
Household Hazardous Waste	***28.4***	***430***
Construction and Demolition Debris (C&D)	***650.3***	***9,850***
Total MSW (tons)		***38,170***
Total MSW (pounds/person/day)		***6.90***

2007 population 30,294

County generation based on 2007 data.

Jackson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***718.9***	***21,150***
Newsprint	65.6	1,930
High Grade Office Paper	31.6	930
Magazines/Catalogs	66.3	1,950
Uncoated OCC/Kraft	347.7	10,230
Boxboard	40.4	1,190
Mixed Paper - Recyclable	71.4	2,100
Compostable Paper	73.8	2,170
Other Paper	22.1	650
Beverage Containers	***5.4***	***160***
Milk & Juice Cartons/Boxes - Coated	5.4	160
Plastic	***274.6***	***8,080***
#1 PET Bottles/Jars	25.5	750
#1 Other PET Containers	2.0	60
#2 HDPE Bottles/Jars - Clear	9.9	290
#2 HDPE Bottles/Jars - Color	14.6	430
#2 Other HDPE Containers	2.0	60
#6 Exp. Polystyrene Packaging	12.6	370
#3-#7 Other - All	12.6	370
Other Rigid Plastic Products	91.1	2,680
Grocery & Merchandise Bags	6.8	200
Trash Bags	25.8	760
Commercial & Industrial Film	18.4	540
Other Film	30.3	890
Other Plastic	23.1	680
Glass	***86.0***	***2,530***
Recyclable Glass Bottles & Jars	80.9	2,380
Flat Glass	3.7	110
Other Glass	1.4	40
Metal	***137.7***	***4,050***
Aluminum Beverage Containers	15.6	460
Other Aluminum	12.9	380
HVAC Ducting	0.7	20
Ferrous Containers (Tin Cans)	26.9	790

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	1,620
Other Non-Ferrous	5.1	150
Other Metal	21.4	630
Organics	***540.8***	***15,910***
Yard Waste - Compostable	73.4	2,160
Yard Waste - Woody	67.3	1,980
Food Scraps	272.6	8,020
Bottom Fines & Dirt	20.1	590
Diapers	46.9	1,380
Other Organic	60.5	1,780
Inorganics	***135.6***	***3,990***
Televisions	6.5	190
Computer Monitors	4.4	130
Computer Equipment/Peripherals	5.1	150
Electronic Equipment	24.1	710
White Goods - Refrigerated	8.5	250
White Goods - Not refrigerated	19.0	560
Lead-acid Batteries	16.0	470
Other Household Batteries	1.0	30
Tires	28.9	850
Household Bulky Items	22.1	650
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***111.8***	***3,290***
Carpet	38.7	1,140
Carpet Padding	5.8	170
Clothing	28.2	830
Other Textiles	39.1	1,150
Household Hazardous Waste	***28.9***	***850***
Construction and Demolition Debris (C&D)	***633.6***	***18,640***
Total MSW (tons)		***78,650***
Total MSW (pounds/person/day)		***7.32***

2007 population 58,841

County generation based on 2007 data.

Jasper County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***552.2***	***2,680***
Newsprint	51.5	250
High Grade Office Paper	20.6	100
Magazines/Catalogs	65.9	320
Uncoated OCC/Kraft	204.0	990
Boxboard	41.2	200
Mixed Paper - Recyclable	72.1	350
Compostable Paper	74.2	360
Other Paper	22.7	110
Beverage Containers	***6.2***	***30***
Milk & Juice Cartons/Boxes - Coated	6.2	30
Plastic	***307.0***	***1,490***
#1 PET Bottles/Jars	24.7	120
#1 Other PET Containers	2.1	10
#2 HDPE Bottles/Jars - Clear	10.3	50
#2 HDPE Bottles/Jars - Color	14.4	70
#2 Other HDPE Containers	2.1	10
#6 Exp. Polystyrene Packaging	16.5	80
#3-#7 Other - All	16.5	80
Other Rigid Plastic Products	90.7	440
Grocery & Merchandise Bags	10.3	50
Trash Bags	26.8	130
Commercial & Industrial Film	26.8	130
Other Film	30.9	150
Other Plastic	35.0	170
Glass	***86.5***	***420***
Recyclable Glass Bottles & Jars	80.4	390
Flat Glass	4.1	20
Other Glass	2.1	10
Metal	***136.0***	***660***
Aluminum Beverage Containers	16.5	80
Other Aluminum	12.4	60
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.8	130

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.6	270
Other Non-Ferrous	4.1	20
Other Metal	20.6	100
Organics	***451.2***	***2,190***
Yard Waste - Compostable	74.2	360
Yard Waste - Woody	68.0	330
Food Scraps	181.3	880
Bottom Fines & Dirt	20.6	100
Diapers	47.4	230
Other Organic	59.8	290
Inorganics	***138.0***	***670***
Televisions	6.2	30
Computer Monitors	4.1	20
Computer Equipment/Peripherals	6.2	30
Electronic Equipment	24.7	120
White Goods - Refrigerated	8.2	40
White Goods - Not refrigerated	18.5	90
Lead-acid Batteries	16.5	80
Other Household Batteries	2.1	10
Tires	28.8	140
Household Bulky Items	22.7	110
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***146.3***	***710***
Carpet	39.1	190
Carpet Padding	6.2	30
Clothing	43.3	210
Other Textiles	57.7	280
Household Hazardous Waste	***28.8***	***140***
Construction and Demolition Debris (C&D)	***649.0***	***3,150***
Total MSW (tons)		***12,140***
Total MSW (pounds/person/day)		***6.85***

2007 population 9,707

County generation based on 2007 data.

Jefferson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***818.1***	***16,430***
Newsprint	76.7	1,540
High Grade Office Paper	45.8	920
Magazines/Catalogs	66.2	1,330
Uncoated OCC/Kraft	421.7	8,470
Boxboard	40.3	810
Mixed Paper - Recyclable	71.2	1,430
Compostable Paper	73.7	1,480
Other Paper	22.4	450
Beverage Containers	***5.5***	***110***
Milk & Juice Cartons/Boxes - Coated	5.5	110
Plastic	***302.2***	***6,070***
#1 PET Bottles/Jars	25.4	510
#1 Other PET Containers	2.0	40
#2 HDPE Bottles/Jars - Clear	10.0	200
#2 HDPE Bottles/Jars - Color	14.4	290
#2 Other HDPE Containers	2.0	40
#6 Exp. Polystyrene Packaging	15.4	310
#3-#7 Other - All	15.9	320
Other Rigid Plastic Products	91.1	1,830
Grocery & Merchandise Bags	10.0	200
Trash Bags	25.9	520
Commercial & Industrial Film	26.4	530
Other Film	30.4	610
Other Plastic	33.4	670
Glass	***86.6***	***1,740***
Recyclable Glass Bottles & Jars	81.2	1,630
Flat Glass	4.0	80
Other Glass	1.5	30
Metal	***137.9***	***2,770***
Aluminum Beverage Containers	15.9	320
Other Aluminum	12.9	260
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	26.9	540

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	1,110
Other Non-Ferrous	5.0	100
Other Metal	21.4	430
Organics	***541.7***	***10,880***
Yard Waste - Compostable	73.2	1,470
Yard Waste - Woody	67.2	1,350
Food Scraps	273.8	5,500
Bottom Fines & Dirt	19.9	400
Diapers	46.8	940
Other Organic	60.7	1,220
Inorganics	***136.4***	***2,740***
Televisions	6.5	130
Computer Monitors	4.5	90
Computer Equipment/Peripherals	5.5	110
Electronic Equipment	24.4	490
White Goods - Refrigerated	8.5	170
White Goods - Not refrigerated	18.9	380
Lead-acid Batteries	15.9	320
Other Household Batteries	1.0	20
Tires	28.9	580
Household Bulky Items	22.4	450
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***140.9***	***2,830***
Carpet	38.8	780
Carpet Padding	6.0	120
Clothing	40.3	810
Other Textiles	55.8	1,120
Household Hazardous Waste	***28.9***	***580***
Construction and Demolition Debris (C&D)	***647.3***	***13,000***
Total MSW (tons)		***57,150***
Total MSW (pounds/person/day)		***7.80***

2007 population 40,168

County generation based on 2007 data.

Jersey County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***609.2***	***6,840***
Newsprint	64.1	720
High Grade Office Paper	43.6	490
Magazines/Catalogs	65.9	740
Uncoated OCC/Kraft	227.1	2,550
Boxboard	41.0	460
Mixed Paper - Recyclable	71.3	800
Compostable Paper	73.9	830
Other Paper	22.3	250
Beverage Containers	***5.3***	***60***
Milk & Juice Cartons/Boxes - Coated	5.3	60
Plastic	***318.9***	***3,580***
#1 PET Bottles/Jars	25.8	290
#1 Other PET Containers	1.8	20
#2 HDPE Bottles/Jars - Clear	9.8	110
#2 HDPE Bottles/Jars - Color	14.3	160
#2 Other HDPE Containers	1.8	20
#6 Exp. Polystyrene Packaging	17.8	200
#3-#7 Other - All	17.8	200
Other Rigid Plastic Products	90.8	1,020
Grocery & Merchandise Bags	11.6	130
Trash Bags	25.8	290
Commercial & Industrial Film	31.2	350
Other Film	30.3	340
Other Plastic	40.1	450
Glass	***86.4***	***970***
Recyclable Glass Bottles & Jars	81.1	910
Flat Glass	3.6	40
Other Glass	1.8	20
Metal	***138.9***	***1,560***
Aluminum Beverage Containers	16.0	180
Other Aluminum	13.4	150
HVAC Ducting	0.9	10
Ferrous Containers (Tin Cans)	26.7	300

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	620
Other Non-Ferrous	5.3	60
Other Metal	21.4	240
Organics	***497.9***	***5,590***
Yard Waste - Compostable	73.0	820
Yard Waste - Woody	67.7	760
Food Scraps	230.7	2,590
Bottom Fines & Dirt	19.6	220
Diapers	46.3	520
Other Organic	60.6	680
Inorganics	***136.3***	***1,530***
Televisions	6.2	70
Computer Monitors	4.5	50
Computer Equipment/Peripherals	5.3	60
Electronic Equipment	24.0	270
White Goods - Refrigerated	8.9	100
White Goods - Not refrigerated	18.7	210
Lead-acid Batteries	16.0	180
Other Household Batteries	0.9	10
Tires	29.4	330
Household Bulky Items	22.3	250
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***158.5***	***1,780***
Carpet	39.2	440
Carpet Padding	5.3	60
Clothing	48.1	540
Other Textiles	65.9	740
Household Hazardous Waste	***29.4***	***330***
Construction and Demolition Debris (C&D)	***656.4***	***7,370***
Total MSW (tons)		***29,610***
Total MSW (pounds/person/day)		***7.23***

2007 population 22,455

County generation based on 2007 data.

Jo Daviess County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***713.8***	***7,960***
Newsprint	69.0	770
High Grade Office Paper	35.0	390
Magazines/Catalogs	75.3	840
Uncoated OCC/Kraft	327.3	3,650
Boxboard	40.4	450
Mixed Paper - Recyclable	70.8	790
Compostable Paper	73.5	820
Other Paper	22.4	250
Beverage Containers	***5.4***	***60***
Milk & Juice Cartons/Boxes - Coated	5.4	60
Plastic	***313.8***	***3,500***
#1 PET Bottles/Jars	26.0	290
#1 Other PET Containers	1.8	20
#2 HDPE Bottles/Jars - Clear	9.9	110
#2 HDPE Bottles/Jars - Color	14.3	160
#2 Other HDPE Containers	1.8	20
#6 Exp. Polystyrene Packaging	17.0	190
#3-#7 Other - All	17.0	190
Other Rigid Plastic Products	91.5	1,020
Grocery & Merchandise Bags	10.8	120
Trash Bags	26.0	290
Commercial & Industrial Film	29.6	330
Other Film	30.5	340
Other Plastic	37.7	420
Glass	***87.0***	***970***
Recyclable Glass Bottles & Jars	81.6	910
Flat Glass	3.6	40
Other Glass	1.8	20
Metal	***138.1***	***1,540***
Aluminum Beverage Containers	15.2	170
Other Aluminum	12.6	140
HVAC Ducting	0.9	10
Ferrous Containers (Tin Cans)	26.9	300

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.6	620
Other Non-Ferrous	5.4	60
Other Metal	21.5	240
Organics	***682.4***	***7,610***
Yard Waste - Compostable	73.5	820
Yard Waste - Woody	67.3	750
Food Scraps	414.3	4,620
Bottom Fines & Dirt	19.7	220
Diapers	46.6	520
Other Organic	61.0	680
Inorganics	***136.3***	***1,520***
Televisions	6.3	70
Computer Monitors	4.5	50
Computer Equipment/Peripherals	5.4	60
Electronic Equipment	24.2	270
White Goods - Refrigerated	9.0	100
White Goods - Not refrigerated	18.8	210
Lead-acid Batteries	16.1	180
Other Household Batteries	0.9	10
Tires	28.7	320
Household Bulky Items	22.4	250
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***153.3***	***1,710***
Carpet	39.5	440
Carpet Padding	5.4	60
Clothing	45.7	510
Other Textiles	62.8	700
Household Hazardous Waste	***27.8***	***310***
Construction and Demolition Debris (C&D)	***654.6***	***7,300***
Total MSW (tons)		***32,480***
Total MSW (pounds/person/day)		***7.98***

2007 population 22,304

County generation based on 2007 data.

Johnson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***456.2***	***2,980***
Newsprint	35.2	230
High Grade Office Paper	21.4	140
Magazines/Catalogs	65.8	430
Uncoated OCC/Kraft	125.5	820
Boxboard	41.3	270
Mixed Paper - Recyclable	71.9	470
Compostable Paper	73.5	480
Other Paper	21.4	140
Beverage Containers	***6.1***	***40***
Milk & Juice Cartons/Boxes - Coated	6.1	40
Plastic	***301.6***	***1,970***
#1 PET Bottles/Jars	26.0	170
#1 Other PET Containers	1.5	10
#2 HDPE Bottles/Jars - Clear	10.7	70
#2 HDPE Bottles/Jars - Color	15.3	100
#2 Other HDPE Containers	1.5	10
#6 Exp. Polystyrene Packaging	15.3	100
#3-#7 Other - All	15.3	100
Other Rigid Plastic Products	91.8	600
Grocery & Merchandise Bags	9.2	60
Trash Bags	26.0	170
Commercial & Industrial Film	26.0	170
Other Film	30.6	200
Other Plastic	32.1	210
Glass	***85.7***	***560***
Recyclable Glass Bottles & Jars	81.1	530
Flat Glass	3.1	20
Other Glass	1.5	10
Metal	***136.2***	***890***
Aluminum Beverage Containers	15.3	100
Other Aluminum	12.2	80
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.6	180

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	360
Other Non-Ferrous	4.6	30
Other Metal	21.4	140
Organics	***466.9***	***3,050***
Yard Waste - Compostable	73.5	480
Yard Waste - Woody	67.4	440
Food Scraps	197.5	1,290
Bottom Fines & Dirt	19.9	130
Diapers	47.5	310
Other Organic	61.2	400
Inorganics	***136.2***	***890***
Televisions	6.1	40
Computer Monitors	4.6	30
Computer Equipment/Peripherals	4.6	30
Electronic Equipment	24.5	160
White Goods - Refrigerated	9.2	60
White Goods - Not refrigerated	18.4	120
Lead-acid Batteries	15.3	100
Other Household Batteries	1.5	10
Tires	29.1	190
Household Bulky Items	23.0	150
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***136.2***	***890***
Carpet	38.3	250
Carpet Padding	4.6	30
Clothing	39.8	260
Other Textiles	53.6	350
Household Hazardous Waste	***27.6***	***180***
Construction and Demolition Debris (C&D)	***647.5***	***4,230***
Total MSW (tons)		***15,680***
Total MSW (pounds/person/day)		***6.58***

2007 population 13,065

County generation based on 2007 data.

Kane County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)		County Generation (lb/c/yr)	Total Generation (tons)
Paper	***819.3***	***205,240***	***Metal***		
Newsprint	145.7	36,490	Other Ferrous	55.2	13,830
High Grade Office Paper	43.4	10,880	Other Non-Ferrous	5.1	1,290
Magazines/Catalogs	64.1	16,060	Other Metal	21.5	5,380
Uncoated OCC/Kraft	358.2	89,740			
Boxboard	40.6	10,160	***Organics***	***519.0***	***130,010***
Mixed Paper - Recyclable	71.3	17,850	Yard Waste - Compostable	73.3	18,370
Compostable Paper	73.9	18,510	Yard Waste - Woody	67.3	16,860
Other Paper	22.2	5,550	Food Scraps	251.0	62,890
			Bottom Fines & Dirt	20.0	5,020
Beverage Containers	***5.3***	***1,340***	Diapers	46.7	11,710
Milk & Juice Cartons/Boxes - Coated	5.3	1,340	Other Organic	60.5	15,160
Plastic	***355.0***	***88,920***	***Inorganics***	***136.6***	***34,210***
#1 PET Bottles/Jars	25.6	6,420	Televisions	6.5	1,630
#1 Other PET Containers	2.2	540	Computer Monitors	4.6	1,150
#2 HDPE Bottles/Jars - Clear	10.0	2,510	Computer Equipment/Peripherals	5.3	1,320
#2 HDPE Bottles/Jars - Color	14.6	3,650	Electronic Equipment	24.2	6,070
#2 Other HDPE Containers	2.0	510	White Goods - Refrigerated	8.6	2,160
#6 Exp. Polystyrene Packaging	22.1	5,530	White Goods - Not refrigerated	19.0	4,750
#3-#7 Other - All	22.3	5,590	Lead-acid Batteries	16.0	4,010
Other Rigid Plastic Products	91.2	22,850	Other Household Batteries	1.1	270
Grocery & Merchandise Bags	15.3	3,840	Tires	29.0	7,260
Trash Bags	25.8	6,470	Household Bulky Items	22.2	5,570
Commercial & Industrial Film	41.1	10,300	Fluorescent Lights/Ballasts	0.1	20
Other Film	30.3	7,580			
Other Plastic	52.4	13,130	***Textiles***	***195.2***	***48,900***
			Carpet	38.8	9,710
Glass	***86.3***	***21,610***	Carpet Padding	5.7	1,420
Recyclable Glass Bottles & Jars	80.9	20,270	Clothing	63.4	15,880
Flat Glass	3.8	960	Other Textiles	87.4	21,890
Other Glass	1.5	380			
			Household Hazardous Waste	***28.8***	***7,210***
Metal	***138.2***	***34,610***			
Aluminum Beverage Containers	15.7	3,930	***Construction and Demolition Debris (C&D)***	***673.4***	***168,690***
Other Aluminum	13.0	3,260			
HVAC Ducting	0.6	160	***Total MSW (tons)***		***740,740***
Ferrous Containers (Tin Cans)	27.0	6,760	***Total MSW (pounds/person/day)***		***8.10***

2007 population 501,021

County generation based on 2007 data.

Kankakee County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***745.9***	***41,290***
Newsprint	101.9	5,640
High Grade Office Paper	34.5	1,910
Magazines/Catalogs	67.0	3,710
Uncoated OCC/Kraft	334.6	18,520
Boxboard	40.6	2,250
Mixed Paper - Recyclable	71.2	3,940
Compostable Paper	73.9	4,090
Other Paper	22.2	1,230
Beverage Containers	***5.4***	***300***
Milk & Juice Cartons/Boxes - Coated	5.4	300
Plastic	***319.2***	***17,670***
#1 PET Bottles/Jars	25.7	1,420
#1 Other PET Containers	2.2	120
#2 HDPE Bottles/Jars - Clear	9.9	550
#2 HDPE Bottles/Jars - Color	14.6	810
#2 Other HDPE Containers	2.0	110
#6 Exp. Polystyrene Packaging	17.7	980
#3-#7 Other - All	17.9	990
Other Rigid Plastic Products	91.2	5,050
Grocery & Merchandise Bags	11.6	640
Trash Bags	25.8	1,430
Commercial & Industrial Film	30.9	1,710
Other Film	30.4	1,680
Other Plastic	39.4	2,180
Glass	***86.2***	***4,770***
Recyclable Glass Bottles & Jars	80.9	4,480
Flat Glass	3.8	210
Other Glass	1.4	80
Metal	***138.2***	***7,650***
Aluminum Beverage Containers	15.7	870
Other Aluminum	13.0	720
HVAC Ducting	0.7	40
Ferrous Containers (Tin Cans)	26.9	1,490

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	3,060
Other Non-Ferrous	5.1	280
Other Metal	21.5	1,190
Organics	***514.2***	***28,460***
Yard Waste - Compostable	73.3	4,060
Yard Waste - Woody	67.4	3,730
Food Scraps	246.1	13,620
Bottom Fines & Dirt	20.1	1,110
Diapers	46.8	2,590
Other Organic	60.5	3,350
Inorganics	***136.6***	***7,560***
Televisions	6.5	360
Computer Monitors	4.5	250
Computer Equipment/Peripherals	5.2	290
Electronic Equipment	24.2	1,340
White Goods - Refrigerated	8.7	480
White Goods - Not refrigerated	19.0	1,050
Lead-acid Batteries	16.1	890
Other Household Batteries	1.1	60
Tires	28.9	1,600
Household Bulky Items	22.2	1,230
Fluorescent Lights/Ballasts	0.2	10
Textiles	***157.5***	***8,720***
Carpet	38.7	2,140
Carpet Padding	5.8	320
Clothing	47.5	2,630
Other Textiles	65.6	3,630
Household Hazardous Waste	***28.7***	***1,590***
Construction and Demolition Debris (C&D)	***655.4***	***36,280***
Total MSW (tons)		***154,290***
Total MSW (pounds/person/day)		***7.64***

2007 population 110,705

County generation based on 2007 data.

Kendall County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***616.2***	***29,830***
Newsprint	98.3	4,760
High Grade Office Paper	43.4	2,100
Magazines/Catalogs	65.1	3,150
Uncoated OCC/Kraft	201.6	9,760
Boxboard	40.5	1,960
Mixed Paper - Recyclable	71.3	3,450
Compostable Paper	74.0	3,580
Other Paper	22.1	1,070
Beverage Containers	***5.4***	***260***
Milk & Juice Cartons/Boxes - Coated	5.4	260
Plastic	***378.6***	***18,330***
#1 PET Bottles/Jars	25.6	1,240
#1 Other PET Containers	2.1	100
#2 HDPE Bottles/Jars - Clear	10.1	490
#2 HDPE Bottles/Jars - Color	14.7	710
#2 Other HDPE Containers	2.1	100
#6 Exp. Polystyrene Packaging	24.8	1,200
#3-#7 Other - All	25.2	1,220
Other Rigid Plastic Products	91.3	4,420
Grocery & Merchandise Bags	17.8	860
Trash Bags	25.8	1,250
Commercial & Industrial Film	47.7	2,310
Other Film	30.4	1,470
Other Plastic	61.1	2,960
Glass	***86.1***	***4,170***
Recyclable Glass Bottles & Jars	81.0	3,920
Flat Glass	3.7	180
Other Glass	1.4	70
Metal	***138.2***	***6,690***
Aluminum Beverage Containers	15.7	760
Other Aluminum	13.0	630
HVAC Ducting	0.6	30
Ferrous Containers (Tin Cans)	27.1	1,310

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	2,670
Other Non-Ferrous	5.2	250
Other Metal	21.5	1,040
Organics	***462.1***	***22,370***
Yard Waste - Compostable	73.3	3,550
Yard Waste - Woody	67.3	3,260
Food Scraps	194.2	9,400
Bottom Fines & Dirt	20.0	970
Diapers	46.7	2,260
Other Organic	60.5	2,930
Inorganics	***136.3***	***6,600***
Televisions	6.6	320
Computer Monitors	4.5	220
Computer Equipment/Peripherals	5.2	250
Electronic Equipment	24.2	1,170
White Goods - Refrigerated	8.7	420
White Goods - Not refrigerated	19.0	920
Lead-acid Batteries	15.9	770
Other Household Batteries	1.0	50
Tires	28.9	1,400
Household Bulky Items	22.3	1,080
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***219.2***	***10,610***
Carpet	38.6	1,870
Carpet Padding	5.8	280
Clothing	73.5	3,560
Other Textiles	101.2	4,900
Household Hazardous Waste	***28.5***	***1,380***
Construction and Demolition Debris (C&D)	***685.4***	***33,180***
Total MSW (tons)		***133,420***
Total MSW (pounds/person/day)		***7.55***

2007 population 96,818

County generation based on 2007 data.

Knox County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***750.2***	***19,450***
Newsprint	71.7	1,860
High Grade Office Paper	35.9	930
Magazines/Catalogs	69.8	1,810
Uncoated OCC/Kraft	364.9	9,460
Boxboard	40.5	1,050
Mixed Paper - Recyclable	71.4	1,850
Compostable Paper	74.1	1,920
Other Paper	22.0	570
Beverage Containers	***5.4***	***140***
Milk & Juice Cartons/Boxes - Coated	5.4	140
Plastic	***295.1***	***7,650***
#1 PET Bottles/Jars	25.5	660
#1 Other PET Containers	2.3	60
#2 HDPE Bottles/Jars - Clear	10.0	260
#2 HDPE Bottles/Jars - Color	14.7	380
#2 Other HDPE Containers	1.9	50
#6 Exp. Polystyrene Packaging	15.0	390
#3-#7 Other - All	15.4	400
Other Rigid Plastic Products	91.0	2,360
Grocery & Merchandise Bags	8.9	230
Trash Bags	25.8	670
Commercial & Industrial Film	23.9	620
Other Film	30.1	780
Other Plastic	30.5	790
Glass	***86.0***	***2,230***
Recyclable Glass Bottles & Jars	80.6	2,090
Flat Glass	3.9	100
Other Glass	1.5	40
Metal	***138.5***	***3,590***
Aluminum Beverage Containers	15.8	410
Other Aluminum	13.1	340
HVAC Ducting	0.8	20
Ferrous Containers (Tin Cans)	27.0	700

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,430
Other Non-Ferrous	5.0	130
Other Metal	21.6	560
Organics	***521.8***	***13,530***
Yard Waste - Compostable	73.3	1,900
Yard Waste - Woody	67.5	1,750
Food Scraps	253.8	6,580
Bottom Fines & Dirt	20.1	520
Diapers	46.7	1,210
Other Organic	60.6	1,570
Inorganics	***136.5***	***3,540***
Televisions	6.6	170
Computer Monitors	4.6	120
Computer Equipment/Peripherals	5.4	140
Electronic Equipment	24.3	630
White Goods - Refrigerated	8.5	220
White Goods - Not refrigerated	18.9	490
Lead-acid Batteries	15.8	410
Other Household Batteries	1.2	30
Tires	28.9	750
Household Bulky Items	22.4	580
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***132.7***	***3,440***
Carpet	39.0	1,010
Carpet Padding	5.8	150
Clothing	37.0	960
Other Textiles	50.9	1,320
Household Hazardous Waste	***28.9***	***750***
Construction and Demolition Debris (C&D)	***643.3***	***16,680***
Total MSW (tons)		***71,000***
Total MSW (pounds/person/day)		***7.50***

2007 population 51,855

County generation based on 2007 data.

Lake County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***918.5***	***326,170***
Newsprint	152.9	54,310
High Grade Office Paper	48.1	17,080
Magazines/Catalogs	68.7	24,380
Uncoated OCC/Kraft	440.9	156,580
Boxboard	40.6	14,410
Mixed Paper - Recyclable	71.2	25,300
Compostable Paper	73.9	26,240
Other Paper	22.2	7,870
Beverage Containers	***5.4***	***1,900***
Milk & Juice Cartons/Boxes - Coated	5.4	1,900
Plastic	***369.2***	***131,120***
#1 PET Bottles/Jars	25.6	9,100
#1 Other PET Containers	2.2	770
#2 HDPE Bottles/Jars - Clear	10.0	3,560
#2 HDPE Bottles/Jars - Color	14.6	5,180
#2 Other HDPE Containers	2.1	730
#6 Exp. Polystyrene Packaging	23.8	8,450
#3-#7 Other - All	24.0	8,540
Other Rigid Plastic Products	91.2	32,390
Grocery & Merchandise Bags	16.9	5,990
Trash Bags	25.8	9,170
Commercial & Industrial Film	45.2	16,050
Other Film	30.3	10,750
Other Plastic	57.6	20,440
Glass	***86.2***	***30,620***
Recyclable Glass Bottles & Jars	80.9	28,740
Flat Glass	3.8	1,350
Other Glass	1.5	530
Metal	***138.1***	***49,050***
Aluminum Beverage Containers	15.7	5,570
Other Aluminum	13.0	4,610
HVAC Ducting	0.6	230
Ferrous Containers (Tin Cans)	27.0	9,580

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	19,610
Other Non-Ferrous	5.1	1,820
Other Metal	21.5	7,630
Organics	***552.0***	***196,010***
Yard Waste - Compostable	73.3	26,040
Yard Waste - Woody	67.3	23,900
Food Scraps	284.0	100,840
Bottom Fines & Dirt	20.0	7,120
Diapers	46.8	16,610
Other Organic	60.5	21,500
Inorganics	***136.6***	***48,500***
Televisions	6.5	2,310
Computer Monitors	4.6	1,630
Computer Equipment/Peripherals	5.3	1,870
Electronic Equipment	24.2	8,610
White Goods - Refrigerated	8.6	3,060
White Goods - Not refrigerated	19.0	6,740
Lead-acid Batteries	16.0	5,680
Other Household Batteries	1.1	380
Tires	29.0	10,290
Household Bulky Items	22.2	7,900
Fluorescent Lights/Ballasts	0.1	30
Textiles	***210.0***	***74,590***
Carpet	38.7	13,760
Carpet Padding	5.7	2,020
Clothing	69.6	24,720
Other Textiles	96.0	34,090
Household Hazardous Waste	***28.8***	***10,220***
Construction and Demolition Debris (C&D)	***680.4***	***241,620***
Total MSW (tons)		***1,109,800***
Total MSW (pounds/person/day)		***8.56***

2007 population 710,241

County generation based on 2007 data.

LaSalle County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***778.0***	***43,810***
Newsprint	110.1	6,200
High Grade Office Paper	36.4	2,050
Magazines/Catalogs	71.0	4,000
Uncoated OCC/Kraft	352.7	19,860
Boxboard	40.5	2,280
Mixed Paper - Recyclable	71.2	4,010
Compostable Paper	73.9	4,160
Other Paper	22.2	1,250
Beverage Containers	***5.3***	***300***
Milk & Juice Cartons/Boxes - Coated	5.3	300
Plastic	***310.3***	***17,470***
#1 PET Bottles/Jars	25.6	1,440
#1 Other PET Containers	2.1	120
#2 HDPE Bottles/Jars - Clear	9.9	560
#2 HDPE Bottles/Jars - Color	14.6	820
#2 Other HDPE Containers	2.1	120
#6 Exp. Polystyrene Packaging	16.7	940
#3-#7 Other - All	16.9	950
Other Rigid Plastic Products	91.3	5,140
Grocery & Merchandise Bags	10.7	600
Trash Bags	25.8	1,450
Commercial & Industrial Film	28.4	1,600
Other Film	30.2	1,700
Other Plastic	36.1	2,030
Glass	***86.1***	***4,850***
Recyclable Glass Bottles & Jars	81.0	4,560
Flat Glass	3.7	210
Other Glass	1.4	80
Metal	***138.2***	***7,780***
Aluminum Beverage Containers	15.6	880
Other Aluminum	13.0	730
HVAC Ducting	0.7	40
Ferrous Containers (Tin Cans)	27.0	1,520

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	3,110
Other Non-Ferrous	5.2	290
Other Metal	21.5	1,210
Organics	***522.8***	***29,440***
Yard Waste - Compostable	73.3	4,130
Yard Waste - Woody	67.3	3,790
Food Scraps	254.8	14,350
Bottom Fines & Dirt	20.1	1,130
Diapers	46.7	2,630
Other Organic	60.6	3,410
Inorganics	***136.7***	***7,700***
Televisions	6.6	370
Computer Monitors	4.6	260
Computer Equipment/Peripherals	5.3	300
Electronic Equipment	24.2	1,360
White Goods - Refrigerated	8.7	490
White Goods - Not refrigerated	19.0	1,070
Lead-acid Batteries	16.0	900
Other Household Batteries	1.1	60
Tires	28.9	1,630
Household Bulky Items	22.2	1,250
Fluorescent Lights/Ballasts	0.2	10
Textiles	***148.3***	***8,350***
Carpet	38.7	2,180
Carpet Padding	5.7	320
Clothing	43.7	2,460
Other Textiles	60.2	3,390
Household Hazardous Waste	***28.8***	***1,620***
Construction and Demolition Debris (C&D)	***650.7***	***36,640***
Total MSW (tons)		***157,960***
Total MSW (pounds/person/day)		***7.69***

2007 population 112,616

County generation based on 2007 data.

Lawrence County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***597.9***	***4,660***
Newsprint	94.9	740
High Grade Office Paper	23.1	180
Magazines/Catalogs	65.4	510
Uncoated OCC/Kraft	205.3	1,600
Boxboard	41.1	320
Mixed Paper - Recyclable	71.9	560
Compostable Paper	74.4	580
Other Paper	21.8	170
Beverage Containers	***5.1***	***40***
Milk & Juice Cartons/Boxes - Coated	5.1	40
Plastic	***293.8***	***2,290***
#1 PET Bottles/Jars	25.7	200
#1 Other PET Containers	2.6	20
#2 HDPE Bottles/Jars - Clear	10.3	80
#2 HDPE Bottles/Jars - Color	14.1	110
#2 Other HDPE Containers	2.6	20
#6 Exp. Polystyrene Packaging	14.1	110
#3-#7 Other - All	14.1	110
Other Rigid Plastic Products	91.1	710
Grocery & Merchandise Bags	9.0	70
Trash Bags	25.7	200
Commercial & Industrial Film	23.1	180
Other Film	30.8	240
Other Plastic	30.8	240
Glass	***86.0***	***670***
Recyclable Glass Bottles & Jars	80.8	630
Flat Glass	3.8	30
Other Glass	1.3	10
Metal	***138.6***	***1,080***
Aluminum Beverage Containers	15.4	120
Other Aluminum	12.8	100
HVAC Ducting	1.3	10
Ferrous Containers (Tin Cans)	26.9	210

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	430
Other Non-Ferrous	5.1	40
Other Metal	21.8	170
Organics	***461.9***	***3,600***
Yard Waste - Compostable	73.1	570
Yard Waste - Woody	66.7	520
Food Scraps	195.0	1,520
Bottom Fines & Dirt	20.5	160
Diapers	46.2	360
Other Organic	60.3	470
Inorganics	***137.3***	***1,070***
Televisions	6.4	50
Computer Monitors	5.1	40
Computer Equipment/Peripherals	5.1	40
Electronic Equipment	24.4	190
White Goods - Refrigerated	9.0	70
White Goods - Not refrigerated	19.2	150
Lead-acid Batteries	15.4	120
Other Household Batteries	1.3	10
Tires	29.5	230
Household Bulky Items	21.8	170
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***129.6***	***1,010***
Carpet	38.5	300
Carpet Padding	5.1	40
Clothing	35.9	280
Other Textiles	50.0	390
Household Hazardous Waste	***28.2***	***220***
Construction and Demolition Debris (C&D)	***641.5***	***5,000***
Total MSW (tons)		***19,640***
Total MSW (pounds/person/day)		***6.90***

2007 population 15,588

County generation based on 2007 data.

Lee County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***701.8***	***12,440***
Newsprint	90.3	1,600
High Grade Office Paper	43.4	770
Magazines/Catalogs	72.8	1,290
Uncoated OCC/Kraft	287.7	5,100
Boxboard	40.6	720
Mixed Paper - Recyclable	71.1	1,260
Compostable Paper	73.9	1,310
Other Paper	22.0	390
Beverage Containers	***5.6***	***100***
Milk & Juice Cartons/Boxes - Coated	5.6	100
Plastic	***322.1***	***5,710***
#1 PET Bottles/Jars	25.4	450
#1 Other PET Containers	2.3	40
#2 HDPE Bottles/Jars - Clear	10.2	180
#2 HDPE Bottles/Jars - Color	14.7	260
#2 Other HDPE Containers	2.3	40
#6 Exp. Polystyrene Packaging	18.1	320
#3-#7 Other - All	18.1	320
Other Rigid Plastic Products	91.4	1,620
Grocery & Merchandise Bags	11.8	210
Trash Bags	26.0	460
Commercial & Industrial Film	31.6	560
Other Film	30.5	540
Other Plastic	40.1	710
Glass	***86.3***	***1,530***
Recyclable Glass Bottles & Jars	80.7	1,430
Flat Glass	3.9	70
Other Glass	1.7	30
Metal	***138.2***	***2,450***
Aluminum Beverage Containers	15.8	280
Other Aluminum	13.0	230
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	27.1	480

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	980
Other Non-Ferrous	5.1	90
Other Metal	21.4	380
Organics	***494.8***	***8,770***
Yard Waste - Compostable	73.3	1,300
Yard Waste - Woody	67.1	1,190
Food Scraps	226.8	4,020
Bottom Fines & Dirt	20.3	360
Diapers	46.8	830
Other Organic	60.4	1,070
Inorganics	***136.0***	***2,410***
Televisions	6.8	120
Computer Monitors	4.5	80
Computer Equipment/Peripherals	5.1	90
Electronic Equipment	24.3	430
White Goods - Refrigerated	8.5	150
White Goods - Not refrigerated	19.2	340
Lead-acid Batteries	15.8	280
Other Household Batteries	1.1	20
Tires	28.8	510
Household Bulky Items	22.0	390
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***160.2***	***2,840***
Carpet	38.9	690
Carpet Padding	5.6	100
Clothing	48.5	860
Other Textiles	67.1	1,190
Household Hazardous Waste	***28.2***	***500***
Construction and Demolition Debris (C&D)	***655.6***	***11,620***
Total MSW (tons)		***48,370***
Total MSW (pounds/person/day)		***7.48***

2007 population 35,450

County generation based on 2007 data.

Livingston County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***729.3***	***13,950***
Newsprint	120.2	2,300
High Grade Office Paper	43.4	830
Magazines/Catalogs	69.5	1,330
Uncoated OCC/Kraft	288.6	5,520
Boxboard	40.8	780
Mixed Paper - Recyclable	71.1	1,360
Compostable Paper	73.7	1,410
Other Paper	22.0	420
Beverage Containers	***5.2***	***100***
Milk & Juice Cartons/Boxes - Coated	5.2	100
Plastic	***325.2***	***6,220***
#1 PET Bottles/Jars	25.6	490
#1 Other PET Containers	2.1	40
#2 HDPE Bottles/Jars - Clear	9.9	190
#2 HDPE Bottles/Jars - Color	14.6	280
#2 Other HDPE Containers	2.1	40
#6 Exp. Polystyrene Packaging	18.3	350
#3-#7 Other - All	18.8	360
Other Rigid Plastic Products	91.0	1,740
Grocery & Merchandise Bags	12.0	230
Trash Bags	25.6	490
Commercial & Industrial Film	32.9	630
Other Film	30.3	580
Other Plastic	41.8	800
Glass	***85.7***	***1,640***
Recyclable Glass Bottles & Jars	80.5	1,540
Flat Glass	3.7	70
Other Glass	1.6	30
Metal	***138.5***	***2,650***
Aluminum Beverage Containers	15.7	300
Other Aluminum	13.1	250
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	27.2	520

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	1,060
Other Non-Ferrous	5.2	100
Other Metal	21.4	410
Organics	***490.9***	***9,390***
Yard Waste - Compostable	73.2	1,400
Yard Waste - Woody	67.4	1,290
Food Scraps	223.2	4,270
Bottom Fines & Dirt	19.9	380
Diapers	46.5	890
Other Organic	60.6	1,160
Inorganics	***135.9***	***2,600***
Televisions	6.3	120
Computer Monitors	4.7	90
Computer Equipment/Peripherals	5.2	100
Electronic Equipment	24.0	460
White Goods - Refrigerated	8.4	160
White Goods - Not refrigerated	18.8	360
Lead-acid Batteries	16.2	310
Other Household Batteries	1.0	20
Tires	28.8	550
Household Bulky Items	22.5	430
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***164.1***	***3,140***
Carpet	38.7	740
Carpet Padding	5.8	110
Clothing	50.2	960
Other Textiles	69.5	1,330
Household Hazardous Waste	***29.3***	***560***
Construction and Demolition Debris (C&D)	***659.7***	***12,620***
Total MSW (tons)		***52,870***
Total MSW (pounds/person/day)		***7.57***

2007 population 38,258

County generation based on 2007 data.

Logan County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***635.5***	***9,520***
Newsprint	72.8	1,090
High Grade Office Paper	27.4	410
Magazines/Catalogs	68.8	1,030
Uncoated OCC/Kraft	258.3	3,870
Boxboard	40.7	610
Mixed Paper - Recyclable	71.4	1,070
Compostable Paper	74.1	1,110
Other Paper	22.0	330
Beverage Containers	***5.3***	***80***
Milk & Juice Cartons/Boxes - Coated	5.3	80
Plastic	***315.1***	***4,720***
#1 PET Bottles/Jars	25.4	380
#1 Other PET Containers	2.0	30
#2 HDPE Bottles/Jars - Clear	10.0	150
#2 HDPE Bottles/Jars - Color	14.7	220
#2 Other HDPE Containers	2.0	30
#6 Exp. Polystyrene Packaging	17.4	260
#3-#7 Other - All	17.4	260
Other Rigid Plastic Products	91.4	1,370
Grocery & Merchandise Bags	11.3	170
Trash Bags	26.0	390
Commercial & Industrial Film	29.4	440
Other Film	30.0	450
Other Plastic	38.0	570
Glass	***86.1***	***1,290***
Recyclable Glass Bottles & Jars	80.8	1,210
Flat Glass	4.0	60
Other Glass	1.3	20
Metal	***137.5***	***2,060***
Aluminum Beverage Containers	15.4	230
Other Aluminum	12.7	190
HVAC Ducting	0.7	10
Ferrous Containers (Tin Cans)	26.7	400

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	830
Other Non-Ferrous	5.3	80
Other Metal	21.4	320
Organics	***506.6***	***7,590***
Yard Waste - Compostable	73.4	1,100
Yard Waste - Woody	67.4	1,010
Food Scraps	238.3	3,570
Bottom Fines & Dirt	20.0	300
Diapers	46.7	700
Other Organic	60.7	910
Inorganics	***136.2***	***2,040***
Televisions	6.7	100
Computer Monitors	4.7	70
Computer Equipment/Peripherals	5.3	80
Electronic Equipment	24.0	360
White Goods - Refrigerated	8.7	130
White Goods - Not refrigerated	18.7	280
Lead-acid Batteries	16.0	240
Other Household Batteries	1.3	20
Tires	28.7	430
Household Bulky Items	22.0	330
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***152.9***	***2,290***
Carpet	38.7	580
Carpet Padding	6.0	90
Clothing	45.4	680
Other Textiles	62.7	940
Household Hazardous Waste	***28.0***	***420***
Construction and Demolition Debris (C&D)	***652.2***	***9,770***
Total MSW (tons)		***39,780***
Total MSW (pounds/person/day)		***7.27***

2007 population 29,962

County generation based on 2007 data.

Macon County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***634.2***	***34,480***
Newsprint	89.2	4,850
High Grade Office Paper	45.6	2,480
Magazines/Catalogs	69.0	3,750
Uncoated OCC/Kraft	222.4	12,090
Boxboard	40.7	2,210
Mixed Paper - Recyclable	71.2	3,870
Compostable Paper	73.9	4,020
Other Paper	22.3	1,210
Beverage Containers	***5.3***	***290***
Milk & Juice Cartons/Boxes - Coated	5.3	290
Plastic	***304.8***	***16,570***
#1 PET Bottles/Jars	25.6	1,390
#1 Other PET Containers	2.2	120
#2 HDPE Bottles/Jars - Clear	9.9	540
#2 HDPE Bottles/Jars - Color	14.5	790
#2 Other HDPE Containers	2.0	110
#6 Exp. Polystyrene Packaging	16.0	870
#3-#7 Other - All	16.2	880
Other Rigid Plastic Products	91.2	4,960
Grocery & Merchandise Bags	9.9	540
Trash Bags	25.8	1,400
Commercial & Industrial Film	26.9	1,460
Other Film	30.3	1,650
Other Plastic	34.2	1,860
Glass	***86.5***	***4,700***
Recyclable Glass Bottles & Jars	81.1	4,410
Flat Glass	3.9	210
Other Glass	1.5	80
Metal	***138.3***	***7,520***
Aluminum Beverage Containers	15.6	850
Other Aluminum	13.1	710
HVAC Ducting	0.7	40
Ferrous Containers (Tin Cans)	27.0	1,470

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	3,000
Other Non-Ferrous	5.2	280
Other Metal	21.5	1,170
Organics	***531.8***	***28,910***
Yard Waste - Compostable	73.4	3,990
Yard Waste - Woody	67.3	3,660
Food Scraps	263.8	14,340
Bottom Fines & Dirt	20.0	1,090
Diapers	46.7	2,540
Other Organic	60.5	3,290
Inorganics	***136.7***	***7,430***
Televisions	6.4	350
Computer Monitors	4.6	250
Computer Equipment/Peripherals	5.3	290
Electronic Equipment	24.3	1,320
White Goods - Refrigerated	8.6	470
White Goods - Not refrigerated	18.9	1,030
Lead-acid Batteries	16.0	870
Other Household Batteries	1.1	60
Tires	29.1	1,580
Household Bulky Items	22.3	1,210
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***142.7***	***7,760***
Carpet	38.8	2,110
Carpet Padding	5.7	310
Clothing	41.2	2,240
Other Textiles	57.0	3,100
Household Hazardous Waste	***28.9***	***1,570***
Construction and Demolition Debris (C&D)	***648.6***	***35,260***
Total MSW (tons)		***144,490***
Total MSW (pounds/person/day)		***7.28***

2007 population 108,732

County generation based on 2007 data.

Macoupin County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***482.6***	***11,640***
Newsprint	69.2	1,670
High Grade Office Paper	22.8	550
Magazines/Catalogs	70.1	1,690
Uncoated OCC/Kraft	112.8	2,720
Boxboard	40.6	980
Mixed Paper - Recyclable	71.3	1,720
Compostable Paper	73.8	1,780
Other Paper	22.0	530
Beverage Containers	***5.4***	***130***
Milk & Juice Cartons/Boxes - Coated	5.4	130
Plastic	***306.4***	***7,390***
#1 PET Bottles/Jars	25.7	620
#1 Other PET Containers	2.1	50
#2 HDPE Bottles/Jars - Clear	10.0	240
#2 HDPE Bottles/Jars - Color	14.5	350
#2 Other HDPE Containers	2.1	50
#6 Exp. Polystyrene Packaging	16.2	390
#3-#7 Other - All	16.2	390
Other Rigid Plastic Products	91.2	2,200
Grocery & Merchandise Bags	10.4	250
Trash Bags	25.7	620
Commercial & Industrial Film	27.4	660
Other Film	30.3	730
Other Plastic	34.8	840
Glass	***86.2***	***2,080***
Recyclable Glass Bottles & Jars	80.9	1,950
Flat Glass	3.7	90
Other Glass	1.7	40
Metal	***138.1***	***3,330***
Aluminum Beverage Containers	15.8	380
Other Aluminum	12.9	310
HVAC Ducting	0.8	20
Ferrous Containers (Tin Cans)	27.0	650

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	1,330
Other Non-Ferrous	5.0	120
Other Metal	21.6	520
Organics	***469.8***	***11,330***
Yard Waste - Compostable	73.4	1,770
Yard Waste - Woody	67.2	1,620
Food Scraps	201.9	4,870
Bottom Fines & Dirt	19.9	480
Diapers	46.9	1,130
Other Organic	60.5	1,460
Inorganics	***137.2***	***3,310***
Televisions	6.6	160
Computer Monitors	4.6	110
Computer Equipment/Peripherals	5.4	130
Electronic Equipment	24.0	580
White Goods - Refrigerated	8.7	210
White Goods - Not refrigerated	19.1	460
Lead-acid Batteries	16.2	390
Other Household Batteries	1.2	30
Tires	29.0	700
Household Bulky Items	22.4	540
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***145.5***	***3,510***
Carpet	39.0	940
Carpet Padding	5.8	140
Clothing	42.3	1,020
Other Textiles	58.5	1,410
Household Hazardous Waste	***28.6***	***690***
Construction and Demolition Debris (C&D)	***649.3***	***15,660***
Total MSW (tons)		***59,070***
Total MSW (pounds/person/day)		***6.71***

2007 population 48,235

County generation based on 2007 data.

Madison County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***748.0***	***99,990***
Newsprint	105.6	14,110
High Grade Office Paper	43.5	5,810
Magazines/Catalogs	69.0	9,220
Uncoated OCC/Kraft	322.2	43,070
Boxboard	40.5	5,420
Mixed Paper - Recyclable	71.2	9,520
Compostable Paper	73.9	9,880
Other Paper	22.1	2,960
Beverage Containers	***5.4***	***720***
Milk & Juice Cartons/Boxes - Coated	5.4	720
Plastic	***320.0***	***42,780***
#1 PET Bottles/Jars	25.6	3,420
#1 Other PET Containers	2.2	290
#2 HDPE Bottles/Jars - Clear	10.0	1,340
#2 HDPE Bottles/Jars - Color	14.6	1,950
#2 Other HDPE Containers	2.0	270
#6 Exp. Polystyrene Packaging	17.8	2,380
#3-#7 Other - All	18.1	2,420
Other Rigid Plastic Products	91.2	12,190
Grocery & Merchandise Bags	11.6	1,550
Trash Bags	25.8	3,450
Commercial & Industrial Film	31.2	4,170
Other Film	30.3	4,050
Other Plastic	39.6	5,300
Glass	***86.3***	***11,530***
Recyclable Glass Bottles & Jars	80.9	10,820
Flat Glass	3.8	510
Other Glass	1.5	200
Metal	***138.2***	***18,480***
Aluminum Beverage Containers	15.7	2,100
Other Aluminum	13.0	1,740
HVAC Ducting	0.7	90
Ferrous Containers (Tin Cans)	27.0	3,610

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	7,380
Other Non-Ferrous	5.2	690
Other Metal	21.5	2,870
Organics	***519.0***	***69,380***
Yard Waste - Compostable	73.3	9,800
Yard Waste - Woody	67.3	9,000
Food Scraps	251.1	33,560
Bottom Fines & Dirt	20.0	2,680
Diapers	46.8	6,250
Other Organic	60.5	8,090
Inorganics	***136.4***	***18,240***
Televisions	6.5	870
Computer Monitors	4.6	610
Computer Equipment/Peripherals	5.2	700
Electronic Equipment	24.2	3,240
White Goods - Refrigerated	8.6	1,150
White Goods - Not refrigerated	19.0	2,540
Lead-acid Batteries	16.0	2,140
Other Household Batteries	1.0	140
Tires	29.0	3,870
Household Bulky Items	22.2	2,970
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***158.7***	***21,210***
Carpet	38.8	5,180
Carpet Padding	5.7	760
Clothing	48.0	6,420
Other Textiles	66.2	8,850
Household Hazardous Waste	***28.8***	***3,850***
Construction and Demolition Debris (C&D)	***656.0***	***87,690***
Total MSW (tons)		***373,870***
Total MSW (pounds/person/day)		***7.66***

2007 population 267,347

County generation based on 2007 data.

Marion County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***702.3***	***13,900***
Newsprint	106.6	2,110
High Grade Office Paper	32.3	640
Magazines/Catalogs	71.2	1,410
Uncoated OCC/Kraft	284.4	5,630
Boxboard	40.4	800
Mixed Paper - Recyclable	71.2	1,410
Compostable Paper	73.8	1,460
Other Paper	22.2	440
Beverage Containers	***5.6***	***110***
Milk & Juice Cartons/Boxes - Coated	5.6	110
Plastic	***291.0***	***5,760***
#1 PET Bottles/Jars	25.8	510
#1 Other PET Containers	2.0	40
#2 HDPE Bottles/Jars - Clear	10.1	200
#2 HDPE Bottles/Jars - Color	14.7	290
#2 Other HDPE Containers	2.0	40
#6 Exp. Polystyrene Packaging	14.1	280
#3-#7 Other - All	14.1	280
Other Rigid Plastic Products	91.4	1,810
Grocery & Merchandise Bags	8.6	170
Trash Bags	25.8	510
Commercial & Industrial Film	22.7	450
Other Film	30.3	600
Other Plastic	29.3	580
Glass	***86.4***	***1,710***
Recyclable Glass Bottles & Jars	80.8	1,600
Flat Glass	4.0	80
Other Glass	1.5	30
Metal	***137.9***	***2,730***
Aluminum Beverage Containers	15.7	310
Other Aluminum	13.1	260
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	26.8	530

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	1,090
Other Non-Ferrous	5.1	100
Other Metal	21.7	430
Organics	***497.6***	***9,850***
Yard Waste - Compostable	73.3	1,450
Yard Waste - Woody	67.2	1,330
Food Scraps	229.4	4,540
Bottom Fines & Dirt	20.2	400
Diapers	47.0	930
Other Organic	60.6	1,200
Inorganics	***136.4***	***2,700***
Televisions	6.6	130
Computer Monitors	4.5	90
Computer Equipment/Peripherals	5.1	100
Electronic Equipment	24.3	480
White Goods - Refrigerated	8.6	170
White Goods - Not refrigerated	19.2	380
Lead-acid Batteries	16.2	320
Other Household Batteries	1.0	20
Tires	28.8	570
Household Bulky Items	22.2	440
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***128.3***	***2,540***
Carpet	38.9	770
Carpet Padding	6.1	120
Clothing	34.9	690
Other Textiles	48.5	960
Household Hazardous Waste	***28.8***	***570***
Construction and Demolition Debris (C&D)	***642.1***	***12,710***
Total MSW (tons)		***52,580***
Total MSW (pounds/person/day)		***7.28***

2007 population 39,587

County generation based on 2007 data.

Marshall County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***610.1***	***3,920***
Newsprint	80.9	520
High Grade Office Paper	43.6	280
Magazines/Catalogs	71.6	460
Uncoated OCC/Kraft	207.0	1,330
Boxboard	40.5	260
Mixed Paper - Recyclable	71.6	460
Compostable Paper	73.1	470
Other Paper	21.8	140
Beverage Containers	***4.7***	***30***
Milk & Juice Cartons/Boxes - Coated	4.7	30
Plastic	***317.5***	***2,040***
#1 PET Bottles/Jars	24.9	160
#1 Other PET Containers	1.6	10
#2 HDPE Bottles/Jars - Clear	9.3	60
#2 HDPE Bottles/Jars - Color	14.0	90
#2 Other HDPE Containers	1.6	10
#6 Exp. Polystyrene Packaging	17.1	110
#3-#7 Other - All	18.7	120
Other Rigid Plastic Products	91.8	590
Grocery & Merchandise Bags	10.9	70
Trash Bags	26.5	170
Commercial & Industrial Film	31.1	200
Other Film	29.6	190
Other Plastic	40.5	260
Glass	***85.6***	***550***
Recyclable Glass Bottles & Jars	80.9	520
Flat Glass	3.1	20
Other Glass	1.6	10
Metal	***135.4***	***870***
Aluminum Beverage Containers	15.6	100
Other Aluminum	12.5	80
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.5	170

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.5	350
Other Non-Ferrous	4.7	30
Other Metal	21.8	140
Organics	***477.8***	***3,070***
Yard Waste - Compostable	73.1	470
Yard Waste - Woody	66.9	430
Food Scraps	210.1	1,350
Bottom Fines & Dirt	20.2	130
Diapers	46.7	300
Other Organic	60.7	390
Inorganics	***137.0***	***880***
Televisions	6.2	40
Computer Monitors	4.7	30
Computer Equipment/Peripherals	4.7	30
Electronic Equipment	24.9	160
White Goods - Refrigerated	9.3	60
White Goods - Not refrigerated	18.7	120
Lead-acid Batteries	15.6	100
Other Household Batteries	1.6	10
Tires	29.6	190
Household Bulky Items	21.8	140
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***158.7***	***1,020***
Carpet	38.9	250
Carpet Padding	4.7	30
Clothing	48.2	310
Other Textiles	66.9	430
Household Hazardous Waste	***28.0***	***180***
Construction and Demolition Debris (C&D)	***658.3***	***4,230***
Total MSW (tons)		***16,790***
Total MSW (pounds/person/day)		***7.16***

2007 population 12,851

County generation based on 2007 data.

Mason County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***533.3***	***4,040***
Newsprint	63.4	480
High Grade Office Paper	21.1	160
Magazines/Catalogs	71.3	540
Uncoated OCC/Kraft	169.0	1,280
Boxboard	40.9	310
Mixed Paper - Recyclable	71.3	540
Compostable Paper	73.9	560
Other Paper	22.4	170
Beverage Containers	***5.3***	***40***
Milk & Juice Cartons/Boxes - Coated	5.3	40
Plastic	***301.0***	***2,280***
#1 PET Bottles/Jars	25.1	190
#1 Other PET Containers	2.6	20
#2 HDPE Bottles/Jars - Clear	10.6	80
#2 HDPE Bottles/Jars - Color	14.5	110
#2 Other HDPE Containers	2.6	20
#6 Exp. Polystyrene Packaging	14.5	110
#3-#7 Other - All	14.5	110
Other Rigid Plastic Products	91.1	690
Grocery & Merchandise Bags	9.2	70
Trash Bags	26.4	200
Commercial & Industrial Film	26.4	200
Other Film	30.4	230
Other Plastic	33.0	250
Glass	***85.8***	***650***
Recyclable Glass Bottles & Jars	80.5	610
Flat Glass	4.0	30
Other Glass	1.3	10
Metal	***137.3***	***1,040***
Aluminum Beverage Containers	15.8	120
Other Aluminum	13.2	100
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.4	200

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	420
Other Non-Ferrous	5.3	40
Other Metal	21.1	160
Organics	***468.6***	***3,550***
Yard Waste - Compostable	73.9	560
Yard Waste - Woody	67.3	510
Food Scraps	200.6	1,520
Bottom Fines & Dirt	19.8	150
Diapers	46.2	350
Other Organic	60.7	460
Inorganics	***136.0***	***1,030***
Televisions	6.6	50
Computer Monitors	4.0	30
Computer Equipment/Peripherals	5.3	40
Electronic Equipment	23.8	180
White Goods - Refrigerated	9.2	70
White Goods - Not refrigerated	18.5	140
Lead-acid Batteries	15.8	120
Other Household Batteries	1.3	10
Tires	29.0	220
Household Bulky Items	22.4	170
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***138.6***	***1,050***
Carpet	38.3	290
Carpet Padding	5.3	40
Clothing	39.6	300
Other Textiles	55.4	420
Household Hazardous Waste	***27.7***	***210***
Construction and Demolition Debris (C&D)	***646.8***	***4,900***
Total MSW (tons)		***18,790***
Total MSW (pounds/person/day)		***6.80***

2007 population 15,151

County generation based on 2007 data.

Massac County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***630.1***	***4,760***
Newsprint	71.5	540
High Grade Office Paper	27.8	210
Magazines/Catalogs	64.9	490
Uncoated OCC/Kraft	256.8	1,940
Boxboard	41.0	310
Mixed Paper - Recyclable	71.5	540
Compostable Paper	74.1	560
Other Paper	22.5	170
Beverage Containers	***5.3***	***40***
Milk & Juice Cartons/Boxes - Coated	5.3	40
Plastic	***289.9***	***2,190***
#1 PET Bottles/Jars	25.2	190
#1 Other PET Containers	2.6	20
#2 HDPE Bottles/Jars - Clear	10.6	80
#2 HDPE Bottles/Jars - Color	14.6	110
#2 Other HDPE Containers	2.6	20
#6 Exp. Polystyrene Packaging	13.2	100
#3-#7 Other - All	13.2	100
Other Rigid Plastic Products	91.3	690
Grocery & Merchandise Bags	7.9	60
Trash Bags	26.5	200
Commercial & Industrial Film	22.5	170
Other Film	30.4	230
Other Plastic	29.1	220
Glass	***86.0***	***650***
Recyclable Glass Bottles & Jars	80.7	610
Flat Glass	4.0	30
Other Glass	1.3	10
Metal	***137.7***	***1,040***
Aluminum Beverage Containers	15.9	120
Other Aluminum	13.2	100
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.5	200

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.6	420
Other Non-Ferrous	5.3	40
Other Metal	21.2	160
Organics	***496.4***	***3,750***
Yard Waste - Compostable	72.8	550
Yard Waste - Woody	67.5	510
Food Scraps	229.0	1,730
Bottom Fines & Dirt	19.9	150
Diapers	46.3	350
Other Organic	60.9	460
Inorganics	***136.3***	***1,030***
Televisions	6.6	50
Computer Monitors	4.0	30
Computer Equipment/Peripherals	5.3	40
Electronic Equipment	23.8	180
White Goods - Refrigerated	9.3	70
White Goods - Not refrigerated	18.5	140
Lead-acid Batteries	15.9	120
Other Household Batteries	1.3	10
Tires	29.1	220
Household Bulky Items	22.5	170
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***128.4***	***970***
Carpet	38.4	290
Carpet Padding	5.3	40
Clothing	35.7	270
Other Textiles	49.0	370
Household Hazardous Waste	***27.8***	***210***
Construction and Demolition Debris (C&D)	***642.0***	***4,850***
Total MSW (tons)		***19,490***
Total MSW (pounds/person/day)		***7.07***

2007 population 15,109

County generation based on 2007 data.

McDonough County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***709.6***	***11,350***
Newsprint	93.8	1,500
High Grade Office Paper	30.0	480
Magazines/Catalogs	70.0	1,120
Uncoated OCC/Kraft	308.2	4,930
Boxboard	40.6	650
Mixed Paper - Recyclable	71.3	1,140
Compostable Paper	73.8	1,180
Other Paper	21.9	350
Beverage Containers	***5.6***	***90***
Milk & Juice Cartons/Boxes - Coated	5.6	90
Plastic	***290.1***	***4,640***
#1 PET Bottles/Jars	25.6	410
#1 Other PET Containers	1.9	30
#2 HDPE Bottles/Jars - Clear	10.0	160
#2 HDPE Bottles/Jars - Color	14.4	230
#2 Other HDPE Containers	1.9	30
#6 Exp. Polystyrene Packaging	14.4	230
#3-#7 Other - All	15.0	240
Other Rigid Plastic Products	91.3	1,460
Grocery & Merchandise Bags	8.8	140
Trash Bags	25.6	410
Commercial & Industrial Film	22.5	360
Other Film	30.0	480
Other Plastic	28.8	460
Glass	***86.3***	***1,380***
Recyclable Glass Bottles & Jars	81.3	1,300
Flat Glass	3.8	60
Other Glass	1.3	20
Metal	***137.5***	***2,200***
Aluminum Beverage Containers	15.6	250
Other Aluminum	13.1	210
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	26.9	430

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	880
Other Non-Ferrous	5.0	80
Other Metal	21.3	340
Organics	***532.0***	***8,510***
Yard Waste - Compostable	73.1	1,170
Yard Waste - Woody	67.5	1,080
Food Scraps	263.8	4,220
Bottom Fines & Dirt	20.0	320
Diapers	46.9	750
Other Organic	60.6	970
Inorganics	***136.3***	***2,180***
Televisions	6.3	100
Computer Monitors	4.4	70
Computer Equipment/Peripherals	5.0	80
Electronic Equipment	24.4	390
White Goods - Refrigerated	8.8	140
White Goods - Not refrigerated	18.8	300
Lead-acid Batteries	16.3	260
Other Household Batteries	1.3	20
Tires	28.8	460
Household Bulky Items	22.5	360
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***128.2***	***2,050***
Carpet	38.8	620
Carpet Padding	6.3	100
Clothing	35.0	560
Other Textiles	48.1	770
Household Hazardous Waste	***28.8***	***460***
Construction and Demolition Debris (C&D)	***642.7***	***10,280***
Total MSW (tons)		***43,140***
Total MSW (pounds/person/day)		***7.39***

2007 population 31,992

County generation based on 2007 data.

McHenry County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***785.4***	***124,070***
Newsprint	154.8	24,450
High Grade Office Paper	43.4	6,860
Magazines/Catalogs	68.8	10,870
Uncoated OCC/Kraft	310.5	49,050
Boxboard	40.6	6,410
Mixed Paper - Recyclable	71.3	11,260
Compostable Paper	73.9	11,670
Other Paper	22.2	3,500
Beverage Containers	***5.4***	***850***
Milk & Juice Cartons/Boxes - Coated	5.4	850
Plastic	***374.5***	***59,160***
#1 PET Bottles/Jars	25.6	4,050
#1 Other PET Containers	2.2	340
#2 HDPE Bottles/Jars - Clear	10.0	1,580
#2 HDPE Bottles/Jars - Color	14.6	2,300
#2 Other HDPE Containers	2.0	320
#6 Exp. Polystyrene Packaging	24.4	3,850
#3-#7 Other - All	24.8	3,910
Other Rigid Plastic Products	91.2	14,410
Grocery & Merchandise Bags	17.4	2,750
Trash Bags	25.8	4,080
Commercial & Industrial Film	46.7	7,380
Other Film	30.3	4,780
Other Plastic	59.6	9,410
Glass	***86.2***	***13,620***
Recyclable Glass Bottles & Jars	80.9	12,780
Flat Glass	3.8	600
Other Glass	1.5	240
Metal	***138.1***	***21,810***
Aluminum Beverage Containers	15.7	2,480
Other Aluminum	13.0	2,050
HVAC Ducting	0.6	100
Ferrous Containers (Tin Cans)	27.0	4,260

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	8,720
Other Non-Ferrous	5.1	810
Other Metal	21.5	3,390
Organics	***496.2***	***78,390***
Yard Waste - Compostable	73.3	11,580
Yard Waste - Woody	67.3	10,630
Food Scraps	228.3	36,060
Bottom Fines & Dirt	20.1	3,170
Diapers	46.8	7,390
Other Organic	60.5	9,560
Inorganics	***136.5***	***21,570***
Televisions	6.5	1,030
Computer Monitors	4.6	720
Computer Equipment/Peripherals	5.3	830
Electronic Equipment	24.2	3,830
White Goods - Refrigerated	8.6	1,360
White Goods - Not refrigerated	19.0	3,000
Lead-acid Batteries	16.0	2,530
Other Household Batteries	1.1	170
Tires	29.0	4,580
Household Bulky Items	22.2	3,510
Fluorescent Lights/Ballasts	0.1	10
Textiles	***215.8***	***34,090***
Carpet	38.7	6,120
Carpet Padding	5.7	900
Clothing	72.0	11,380
Other Textiles	99.3	15,690
Household Hazardous Waste	***28.7***	***4,540***
Construction and Demolition Debris (C&D)	***683.0***	***107,890***
Total MSW (tons)		***465,990***
Total MSW (pounds/person/day)		***8.08***

2007 population 315,943

County generation based on 2007 data.

McLean County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***843.9***	***69,290***
Newsprint	102.9	8,450
High Grade Office Paper	51.6	4,240
Magazines/Catalogs	68.7	5,640
Uncoated OCC/Kraft	412.8	33,890
Boxboard	40.6	3,330
Mixed Paper - Recyclable	71.3	5,850
Compostable Paper	73.9	6,070
Other Paper	22.2	1,820
Beverage Containers	***5.4***	***440***
Milk & Juice Cartons/Boxes - Coated	5.4	440
Plastic	***329.8***	***27,080***
#1 PET Bottles/Jars	25.6	2,100
#1 Other PET Containers	2.2	180
#2 HDPE Bottles/Jars - Clear	10.0	820
#2 HDPE Bottles/Jars - Color	14.6	1,200
#2 Other HDPE Containers	2.1	170
#6 Exp. Polystyrene Packaging	19.0	1,560
#3-#7 Other - All	19.1	1,570
Other Rigid Plastic Products	91.2	7,490
Grocery & Merchandise Bags	12.7	1,040
Trash Bags	25.8	2,120
Commercial & Industrial Film	34.0	2,790
Other Film	30.3	2,490
Other Plastic	43.2	3,550
Glass	***86.1***	***7,070***
Recyclable Glass Bottles & Jars	80.9	6,640
Flat Glass	3.8	310
Other Glass	1.5	120
Metal	***138.1***	***11,340***
Aluminum Beverage Containers	15.7	1,290
Other Aluminum	13.0	1,070
HVAC Ducting	0.6	50
Ferrous Containers (Tin Cans)	27.0	2,220

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	4,530
Other Non-Ferrous	5.1	420
Other Metal	21.4	1,760
Organics	***553.2***	***45,420***
Yard Waste - Compostable	73.3	6,020
Yard Waste - Woody	67.4	5,530
Food Scraps	285.1	23,410
Bottom Fines & Dirt	20.1	1,650
Diapers	46.8	3,840
Other Organic	60.5	4,970
Inorganics	***136.7***	***11,220***
Televisions	6.5	530
Computer Monitors	4.6	380
Computer Equipment/Peripherals	5.2	430
Electronic Equipment	24.2	1,990
White Goods - Refrigerated	8.6	710
White Goods - Not refrigerated	19.0	1,560
Lead-acid Batteries	16.0	1,310
Other Household Batteries	1.1	90
Tires	29.0	2,380
Household Bulky Items	22.3	1,830
Fluorescent Lights/Ballasts	0.1	10
Textiles	***169.1***	***13,880***
Carpet	38.7	3,180
Carpet Padding	5.7	470
Clothing	52.4	4,300
Other Textiles	72.2	5,930
Household Hazardous Waste	***28.7***	***2,360***
Construction and Demolition Debris (C&D)	***661.1***	***54,280***
Total MSW (tons)		***242,380***
Total MSW (pounds/person/day)		***8.09***

2007 population 164,209

County generation based on 2007 data.

Menard County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***531.0***	***3,310***
Newsprint	73.8	460
High Grade Office Paper	43.3	270
Magazines/Catalogs	70.6	440
Uncoated OCC/Kraft	136.4	850
Boxboard	40.1	250
Mixed Paper - Recyclable	70.6	440
Compostable Paper	73.8	460
Other Paper	22.5	140
Beverage Containers	***4.8***	***30***
Milk & Juice Cartons/Boxes - Coated	4.8	30
Plastic	***332.1***	***2,070***
#1 PET Bottles/Jars	25.7	160
#1 Other PET Containers	1.6	10
#2 HDPE Bottles/Jars - Clear	9.6	60
#2 HDPE Bottles/Jars - Color	14.4	90
#2 Other HDPE Containers	1.6	10
#6 Exp. Polystyrene Packaging	19.3	120
#3-#7 Other - All	19.3	120
Other Rigid Plastic Products	91.4	570
Grocery & Merchandise Bags	12.8	80
Trash Bags	25.7	160
Commercial & Industrial Film	35.3	220
Other Film	30.5	190
Other Plastic	44.9	280
Glass	***85.0***	***530***
Recyclable Glass Bottles & Jars	80.2	500
Flat Glass	3.2	20
Other Glass	1.6	10
Metal	***136.4***	***850***
Aluminum Beverage Containers	16.0	100
Other Aluminum	12.8	80
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.3	170

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.5	340
Other Non-Ferrous	4.8	30
Other Metal	20.9	130
Organics	***462.1***	***2,880***
Yard Waste - Compostable	73.8	460
Yard Waste - Woody	67.4	420
Food Scraps	194.1	1,210
Bottom Fines & Dirt	19.3	120
Diapers	46.5	290
Other Organic	61.0	380
Inorganics	***136.4***	***850***
Televisions	6.4	40
Computer Monitors	4.8	30
Computer Equipment/Peripherals	4.8	30
Electronic Equipment	24.1	150
White Goods - Refrigerated	8.0	50
White Goods - Not refrigerated	19.3	120
Lead-acid Batteries	16.0	100
Other Household Batteries	1.6	10
Tires	28.9	180
Household Bulky Items	22.5	140
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***170.1***	***1,060***
Carpet	38.5	240
Carpet Padding	4.8	30
Clothing	52.9	330
Other Textiles	73.8	460
Household Hazardous Waste	***27.3***	***170***
Construction and Demolition Debris (C&D)	***667.4***	***4,160***
Total MSW (tons)		***15,910***
Total MSW (pounds/person/day)		***6.99***

2007 population 12,466

County generation based on 2007 data.

Mercer County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***482.7***	***3,980***
Newsprint	23.0	190
High Grade Office Paper	43.7	360
Magazines/Catalogs	69.1	570
Uncoated OCC/Kraft	139.5	1,150
Boxboard	40.0	330
Mixed Paper - Recyclable	71.6	590
Compostable Paper	74.0	610
Other Paper	21.8	180
Beverage Containers	***4.9***	***40***
Milk & Juice Cartons/Boxes - Coated	4.9	40
Plastic	***319.0***	***2,630***
#1 PET Bottles/Jars	25.5	210
#1 Other PET Containers	2.4	20
#2 HDPE Bottles/Jars - Clear	9.7	80
#2 HDPE Bottles/Jars - Color	14.6	120
#2 Other HDPE Containers	2.4	20
#6 Exp. Polystyrene Packaging	17.0	140
#3-#7 Other - All	17.0	140
Other Rigid Plastic Products	91.0	750
Grocery & Merchandise Bags	12.1	100
Trash Bags	25.5	210
Commercial & Industrial Film	31.5	260
Other Film	30.3	250
Other Plastic	40.0	330
Glass	***86.1***	***710***
Recyclable Glass Bottles & Jars	81.3	670
Flat Glass	3.6	30
Other Glass	1.2	10
Metal	***139.5***	***1,150***
Aluminum Beverage Containers	15.8	130
Other Aluminum	13.3	110
HVAC Ducting	1.2	10
Ferrous Containers (Tin Cans)	26.7	220

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.8	460
Other Non-Ferrous	4.9	40
Other Metal	21.8	180
Organics	***458.5***	***3,780***
Yard Waste - Compostable	72.8	600
Yard Waste - Woody	66.7	550
Food Scraps	190.4	1,570
Bottom Fines & Dirt	20.6	170
Diapers	47.3	390
Other Organic	60.6	500
Inorganics	***135.8***	***1,120***
Televisions	6.1	50
Computer Monitors	4.9	40
Computer Equipment/Peripherals	4.9	40
Electronic Equipment	24.3	200
White Goods - Refrigerated	8.5	70
White Goods - Not refrigerated	19.4	160
Lead-acid Batteries	15.8	130
Other Household Batteries	1.2	10
Tires	29.1	240
Household Bulky Items	21.8	180
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***158.9***	***1,310***
Carpet	38.8	320
Carpet Padding	4.9	40
Clothing	48.5	400
Other Textiles	66.7	550
Household Hazardous Waste	***27.9***	***230***
Construction and Demolition Debris (C&D)	***657.4***	***5,420***
Total MSW (tons)		***20,370***
Total MSW (pounds/person/day)		***6.77***

2007 population 16,490

County generation based on 2007 data.

Monroe County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***679.6***	***11,000***
Newsprint	89.0	1,440
High Grade Office Paper	43.2	700
Magazines/Catalogs	70.4	1,140
Uncoated OCC/Kraft	268.8	4,350
Boxboard	40.8	660
Mixed Paper - Recyclable	71.0	1,150
Compostable Paper	74.1	1,200
Other Paper	22.2	360
Beverage Containers	***5.6***	***90***
Milk & Juice Cartons/Boxes - Coated	5.6	90
Plastic	***354.0***	***5,730***
#1 PET Bottles/Jars	25.3	410
#1 Other PET Containers	1.9	30
#2 HDPE Bottles/Jars - Clear	9.9	160
#2 HDPE Bottles/Jars - Color	14.8	240
#2 Other HDPE Containers	1.9	30
#6 Exp. Polystyrene Packaging	22.2	360
#3-#7 Other - All	22.2	360
Other Rigid Plastic Products	91.4	1,480
Grocery & Merchandise Bags	15.4	250
Trash Bags	25.9	420
Commercial & Industrial Film	40.8	660
Other Film	30.3	490
Other Plastic	51.9	840
Glass	***85.9***	***1,390***
Recyclable Glass Bottles & Jars	80.9	1,310
Flat Glass	3.7	60
Other Glass	1.2	20
Metal	***137.8***	***2,230***
Aluminum Beverage Containers	15.4	250
Other Aluminum	13.0	210
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	27.2	440

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	890
Other Non-Ferrous	4.9	80
Other Metal	21.6	350
Organics	***483.8***	***7,830***
Yard Waste - Compostable	73.5	1,190
Yard Waste - Woody	67.3	1,090
Food Scraps	215.6	3,490
Bottom Fines & Dirt	19.8	320
Diapers	47.0	760
Other Organic	60.5	980
Inorganics	***137.2***	***2,220***
Televisions	6.8	110
Computer Monitors	4.3	70
Computer Equipment/Peripherals	5.6	90
Electronic Equipment	24.1	390
White Goods - Refrigerated	8.6	140
White Goods - Not refrigerated	19.2	310
Lead-acid Batteries	16.1	260
Other Household Batteries	1.2	20
Tires	29.0	470
Household Bulky Items	22.2	360
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***194.0***	***3,140***
Carpet	38.3	620
Carpet Padding	6.2	100
Clothing	63.0	1,020
Other Textiles	86.5	1,400
Household Hazardous Waste	***29.0***	***470***
Construction and Demolition Debris (C&D)	***673.4***	***10,900***
Total MSW (tons)		***45,000***
Total MSW (pounds/person/day)		***7.62***

2007 population 32,372

County generation based on 2007 data.

Montgomery County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***639.4***	***9,530***
Newsprint	53.0	790
High Grade Office Paper	28.8	430
Magazines/Catalogs	70.4	1,050
Uncoated OCC/Kraft	279.8	4,170
Boxboard	40.3	600
Mixed Paper - Recyclable	71.1	1,060
Compostable Paper	73.8	1,100
Other Paper	22.1	330
Beverage Containers	***5.4***	***80***
Milk & Juice Cartons/Boxes - Coated	5.4	80
Plastic	***295.2***	***4,400***
#1 PET Bottles/Jars	25.5	380
#1 Other PET Containers	2.0	30
#2 HDPE Bottles/Jars - Clear	10.1	150
#2 HDPE Bottles/Jars - Color	14.8	220
#2 Other HDPE Containers	2.0	30
#6 Exp. Polystyrene Packaging	14.8	220
#3-#7 Other - All	14.8	220
Other Rigid Plastic Products	91.2	1,360
Grocery & Merchandise Bags	8.7	130
Trash Bags	26.2	390
Commercial & Industrial Film	24.2	360
Other Film	30.2	450
Other Plastic	30.9	460
Glass	***85.9***	***1,280***
Recyclable Glass Bottles & Jars	80.5	1,200
Flat Glass	4.0	60
Other Glass	1.3	20
Metal	***137.5***	***2,050***
Aluminum Beverage Containers	15.4	230
Other Aluminum	12.7	190
HVAC Ducting	0.7	10
Ferrous Containers (Tin Cans)	26.8	400

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	820
Other Non-Ferrous	5.4	80
Other Metal	21.5	320
Organics	***501.2***	***7,470***
Yard Waste - Compostable	73.1	1,090
Yard Waste - Woody	67.1	1,000
Food Scraps	233.5	3,480
Bottom Fines & Dirt	20.1	300
Diapers	47.0	700
Other Organic	60.4	900
Inorganics	***136.9***	***2,040***
Televisions	6.7	100
Computer Monitors	4.7	70
Computer Equipment/Peripherals	5.4	80
Electronic Equipment	24.2	360
White Goods - Refrigerated	8.7	130
White Goods - Not refrigerated	18.8	280
Lead-acid Batteries	16.1	240
Other Household Batteries	1.3	20
Tires	28.8	430
Household Bulky Items	22.1	330
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***132.2***	***1,970***
Carpet	38.9	580
Carpet Padding	5.4	80
Clothing	36.9	550
Other Textiles	51.0	760
Household Hazardous Waste	***28.2***	***420***
Construction and Demolition Debris (C&D)	***642.7***	***9,580***
Total MSW (tons)		***38,820***
Total MSW (pounds/person/day)		***7.14***

2007 population 29,810

County generation based on 2007 data.

Morgan County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***787.6***	***13,890***
Newsprint	91.3	1,610
High Grade Office Paper	42.0	740
Magazines/Catalogs	69.7	1,230
Uncoated OCC/Kraft	376.5	6,640
Boxboard	40.8	720
Mixed Paper - Recyclable	71.4	1,260
Compostable Paper	73.7	1,300
Other Paper	22.1	390
Beverage Containers	***5.1***	***90***
Milk & Juice Cartons/Boxes - Coated	5.1	90
Plastic	***305.1***	***5,380***
#1 PET Bottles/Jars	25.5	450
#1 Other PET Containers	2.3	40
#2 HDPE Bottles/Jars - Clear	10.2	180
#2 HDPE Bottles/Jars - Color	14.7	260
#2 Other HDPE Containers	2.3	40
#6 Exp. Polystyrene Packaging	15.9	280
#3-#7 Other - All	15.9	280
Other Rigid Plastic Products	91.3	1,610
Grocery & Merchandise Bags	10.2	180
Trash Bags	26.1	460
Commercial & Industrial Film	26.7	470
Other Film	30.1	530
Other Plastic	34.0	600
Glass	***86.2***	***1,520***
Recyclable Glass Bottles & Jars	80.5	1,420
Flat Glass	4.0	70
Other Glass	1.7	30
Metal	***138.4***	***2,440***
Aluminum Beverage Containers	15.9	280
Other Aluminum	13.0	230
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	27.2	480

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.0	970
Other Non-Ferrous	5.1	90
Other Metal	21.5	380
Organics	***538.7***	***9,500***
Yard Waste - Compostable	73.1	1,290
Yard Waste - Woody	67.5	1,190
Food Scraps	271.0	4,780
Bottom Fines & Dirt	19.8	350
Diapers	46.5	820
Other Organic	60.7	1,070
Inorganics	***135.5***	***2,390***
Televisions	6.2	110
Computer Monitors	4.5	80
Computer Equipment/Peripherals	5.1	90
Electronic Equipment	24.4	430
White Goods - Refrigerated	8.5	150
White Goods - Not refrigerated	18.7	330
Lead-acid Batteries	15.9	280
Other Household Batteries	1.1	20
Tires	28.9	510
Household Bulky Items	22.1	390
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***142.9***	***2,520***
Carpet	39.1	690
Carpet Padding	5.7	100
Clothing	41.4	730
Other Textiles	56.7	1,000
Household Hazardous Waste	***27.8***	***490***
Construction and Demolition Debris (C&D)	***648.1***	***11,430***
Total MSW (tons)		***49,650***
Total MSW (pounds/person/day)		***7.71***

2007 population 35,272

County generation based on 2007 data.

Moultrie County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***610.2***	***4,370***
Newsprint	61.4	440
High Grade Office Paper	29.3	210
Magazines/Catalogs	67.0	480
Uncoated OCC/Kraft	244.3	1,750
Boxboard	40.5	290
Mixed Paper - Recyclable	71.2	510
Compostable Paper	74.0	530
Other Paper	22.3	160
Beverage Containers	***5.6***	***40***
Milk & Juice Cartons/Boxes - Coated	5.6	40
Plastic	***307.2***	***2,200***
#1 PET Bottles/Jars	25.1	180
#1 Other PET Containers	2.8	20
#2 HDPE Bottles/Jars - Clear	9.8	70
#2 HDPE Bottles/Jars - Color	14.0	100
#2 Other HDPE Containers	1.4	10
#6 Exp. Polystyrene Packaging	15.4	110
#3-#7 Other - All	16.8	120
Other Rigid Plastic Products	90.8	650
Grocery & Merchandise Bags	9.8	70
Trash Bags	26.5	190
Commercial & Industrial Film	27.9	200
Other Film	30.7	220
Other Plastic	36.3	260
Glass	***86.6***	***620***
Recyclable Glass Bottles & Jars	81.0	580
Flat Glass	4.2	30
Other Glass	1.4	10
Metal	***136.8***	***980***
Aluminum Beverage Containers	15.4	110
Other Aluminum	12.6	90
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.5	190

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.9	400
Other Non-Ferrous	5.6	40
Other Metal	20.9	150
Organics	***451.0***	***3,230***
Yard Waste - Compostable	74.0	530
Yard Waste - Woody	67.0	480
Food Scraps	184.3	1,320
Bottom Fines & Dirt	19.5	140
Diapers	46.1	330
Other Organic	60.0	430
Inorganics	***136.8***	***980***
Televisions	7.0	50
Computer Monitors	4.2	30
Computer Equipment/Peripherals	5.6	40
Electronic Equipment	23.7	170
White Goods - Refrigerated	8.4	60
White Goods - Not refrigerated	19.5	140
Lead-acid Batteries	15.4	110
Other Household Batteries	1.4	10
Tires	29.3	210
Household Bulky Items	22.3	160
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***148.0***	***1,060***
Carpet	39.1	280
Carpet Padding	5.6	40
Clothing	43.3	310
Other Textiles	60.0	430
Household Hazardous Waste	***27.9***	***200***
Construction and Demolition Debris (C&D)	***650.7***	***4,660***
Total MSW (tons)		***18,340***
Total MSW (pounds/person/day)		***7.02***

2007 population 14,324

County generation based on 2007 data.

Ogle County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***634.8***	***17,460***
Newsprint	65.4	1,800
High Grade Office Paper	43.3	1,190
Magazines/Catalogs	72.3	1,990
Uncoated OCC/Kraft	245.8	6,760
Boxboard	40.7	1,120
Mixed Paper - Recyclable	71.3	1,960
Compostable Paper	73.8	2,030
Other Paper	22.2	610
Beverage Containers	***5.5***	***150***
Milk & Juice Cartons/Boxes - Coated	5.5	150
Plastic	***329.4***	***9,060***
#1 PET Bottles/Jars	25.4	700
#1 Other PET Containers	2.2	60
#2 HDPE Bottles/Jars - Clear	10.2	280
#2 HDPE Bottles/Jars - Color	14.5	400
#2 Other HDPE Containers	2.2	60
#6 Exp. Polystyrene Packaging	18.9	520
#3-#7 Other - All	19.3	530
Other Rigid Plastic Products	91.3	2,510
Grocery & Merchandise Bags	12.7	350
Trash Bags	25.8	710
Commercial & Industrial Film	33.8	930
Other Film	30.2	830
Other Plastic	42.9	1,180
Glass	***85.8***	***2,360***
Recyclable Glass Bottles & Jars	80.7	2,220
Flat Glass	3.6	100
Other Glass	1.5	40
Metal	***138.2***	***3,800***
Aluminum Beverage Containers	15.6	430
Other Aluminum	13.1	360
HVAC Ducting	0.7	20
Ferrous Containers (Tin Cans)	26.9	740

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	1,520
Other Non-Ferrous	5.1	140
Other Metal	21.5	590
Organics	***481.4***	***13,240***
Yard Waste - Compostable	73.4	2,020
Yard Waste - Woody	67.3	1,850
Food Scraps	213.0	5,860
Bottom Fines & Dirt	20.0	550
Diapers	46.9	1,290
Other Organic	60.7	1,670
Inorganics	***136.7***	***3,760***
Televisions	6.5	180
Computer Monitors	4.7	130
Computer Equipment/Peripherals	5.1	140
Electronic Equipment	24.4	670
White Goods - Refrigerated	8.7	240
White Goods - Not refrigerated	18.9	520
Lead-acid Batteries	16.0	440
Other Household Batteries	1.1	30
Tires	29.1	800
Household Bulky Items	22.2	610
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***168.3***	***4,630***
Carpet	38.9	1,070
Carpet Padding	5.8	160
Clothing	52.0	1,430
Other Textiles	71.6	1,970
Household Hazardous Waste	***28.4***	***780***
Construction and Demolition Debris (C&D)	***661.0***	***18,180***
Total MSW (tons)		***73,420***
Total MSW (pounds/person/day)		***7.31***

2007 population 55,011

County generation based on 2007 data.

Peoria County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***985.4***	***90,160***
Newsprint	76.5	7,000
High Grade Office Paper	62.5	5,720
Magazines/Catalogs	68.6	6,280
Uncoated OCC/Kraft	569.9	52,140
Boxboard	40.5	3,710
Mixed Paper - Recyclable	71.3	6,520
Compostable Paper	73.9	6,760
Other Paper	22.2	2,030
Beverage Containers	***5.4***	***490***
Milk & Juice Cartons/Boxes - Coated	5.4	490
Plastic	***314.8***	***28,800***
#1 PET Bottles/Jars	25.6	2,340
#1 Other PET Containers	2.2	200
#2 HDPE Bottles/Jars - Clear	10.1	920
#2 HDPE Bottles/Jars - Color	14.5	1,330
#2 Other HDPE Containers	2.1	190
#6 Exp. Polystyrene Packaging	17.3	1,580
#3-#7 Other - All	17.4	1,590
Other Rigid Plastic Products	91.3	8,350
Grocery & Merchandise Bags	11.0	1,010
Trash Bags	25.8	2,360
Commercial & Industrial Film	29.6	2,710
Other Film	30.3	2,770
Other Plastic	37.7	3,450
Glass	***86.3***	***7,900***
Recyclable Glass Bottles & Jars	81.0	7,410
Flat Glass	3.8	350
Other Glass	1.5	140
Metal	***138.3***	***12,650***
Aluminum Beverage Containers	15.7	1,440
Other Aluminum	13.0	1,190
HVAC Ducting	0.7	60
Ferrous Containers (Tin Cans)	27.0	2,470

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	5,050
Other Non-Ferrous	5.1	470
Other Metal	21.5	1,970
Organics	***555.8***	***50,850***
Yard Waste - Compostable	73.3	6,710
Yard Waste - Woody	67.3	6,160
Food Scraps	287.8	26,330
Bottom Fines & Dirt	20.0	1,830
Diapers	46.8	4,280
Other Organic	60.5	5,540
Inorganics	***136.5***	***12,500***
Televisions	6.6	600
Computer Monitors	4.6	420
Computer Equipment/Peripherals	5.2	480
Electronic Equipment	24.3	2,220
White Goods - Refrigerated	8.6	790
White Goods - Not refrigerated	19.0	1,740
Lead-acid Batteries	16.0	1,460
Other Household Batteries	1.1	100
Tires	29.0	2,650
Household Bulky Items	22.2	2,030
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***152.9***	***13,990***
Carpet	38.8	3,550
Carpet Padding	5.7	520
Clothing	45.6	4,170
Other Textiles	62.8	5,750
Household Hazardous Waste	***28.6***	***2,620***
Construction and Demolition Debris (C&D)	***653.5***	***59,790***
Total MSW (tons)		***279,750***
Total MSW (pounds/person/day)		***8.38***

2007 population 182,993

County generation based on 2007 data.

Perry County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***508.1***	***5,740***
Newsprint	81.4	920
High Grade Office Paper	23.0	260
Magazines/Catalogs	63.7	720
Uncoated OCC/Kraft	131.9	1,490
Boxboard	40.7	460
Mixed Paper - Recyclable	71.7	810
Compostable Paper	73.5	830
Other Paper	22.1	250
Beverage Containers	***5.3***	***60***
Milk & Juice Cartons/Boxes - Coated	5.3	60
Plastic	***292.1***	***3,300***
#1 PET Bottles/Jars	25.7	290
#1 Other PET Containers	1.8	20
#2 HDPE Bottles/Jars - Clear	9.7	110
#2 HDPE Bottles/Jars - Color	14.2	160
#2 Other HDPE Containers	1.8	20
#6 Exp. Polystyrene Packaging	14.2	160
#3-#7 Other - All	15.0	170
Other Rigid Plastic Products	91.2	1,030
Grocery & Merchandise Bags	8.9	100
Trash Bags	25.7	290
Commercial & Industrial Film	23.9	270
Other Film	30.1	340
Other Plastic	30.1	340
Glass	***86.7***	***980***
Recyclable Glass Bottles & Jars	81.4	920
Flat Glass	3.5	40
Other Glass	1.8	20
Metal	***138.1***	***1,560***
Aluminum Beverage Containers	15.9	180
Other Aluminum	13.3	150
HVAC Ducting	0.9	10
Ferrous Containers (Tin Cans)	26.6	300

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.9	620
Other Non-Ferrous	5.3	60
Other Metal	21.2	240
Organics	***467.3***	***5,280***
Yard Waste - Compostable	73.5	830
Yard Waste - Woody	67.3	760
Food Scraps	199.2	2,250
Bottom Fines & Dirt	20.4	230
Diapers	46.9	530
Other Organic	60.2	680
Inorganics	***135.4***	***1,530***
Televisions	6.2	70
Computer Monitors	4.4	50
Computer Equipment/Peripherals	5.3	60
Electronic Equipment	23.9	270
White Goods - Refrigerated	8.9	100
White Goods - Not refrigerated	18.6	210
Lead-acid Batteries	15.9	180
Other Household Batteries	0.9	10
Tires	29.2	330
Household Bulky Items	22.1	250
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***132.8***	***1,500***
Carpet	38.9	440
Carpet Padding	5.3	60
Clothing	37.2	420
Other Textiles	51.3	580
Household Hazardous Waste	***29.2***	***330***
Construction and Demolition Debris (C&D)	***642.6***	***7,260***
Total MSW (tons)		***27,540***
Total MSW (pounds/person/day)		***6.68***

2007 population 22,596

County generation based on 2007 data.

Piatt County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***544.5***	***4,490***
Newsprint	114.0	940
High Grade Office Paper	43.7	360
Magazines/Catalogs	70.3	580
Uncoated OCC/Kraft	109.1	900
Boxboard	40.0	330
Mixed Paper - Recyclable	71.5	590
Compostable Paper	74.0	610
Other Paper	21.8	180
Beverage Containers	***4.9***	***40***
Milk & Juice Cartons/Boxes - Coated	4.9	40
Plastic	***321.3***	***2,650***
#1 PET Bottles/Jars	25.5	210
#1 Other PET Containers	2.4	20
#2 HDPE Bottles/Jars - Clear	9.7	80
#2 HDPE Bottles/Jars - Color	14.6	120
#2 Other HDPE Containers	2.4	20
#6 Exp. Polystyrene Packaging	17.0	140
#3-#7 Other - All	17.0	140
Other Rigid Plastic Products	90.9	750
Grocery & Merchandise Bags	12.1	100
Trash Bags	25.5	210
Commercial & Industrial Film	32.7	270
Other Film	30.3	250
Other Plastic	41.2	340
Glass	***86.1***	***710***
Recyclable Glass Bottles & Jars	81.2	670
Flat Glass	3.6	30
Other Glass	1.2	10
Metal	***139.5***	***1,150***
Aluminum Beverage Containers	15.8	130
Other Aluminum	13.3	110
HVAC Ducting	1.2	10
Ferrous Containers (Tin Cans)	26.7	220

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.8	460
Other Non-Ferrous	4.9	40
Other Metal	21.8	180
Organics	***465.7***	***3,840***
Yard Waste - Compostable	72.8	600
Yard Waste - Woody	67.9	560
Food Scraps	196.4	1,620
Bottom Fines & Dirt	20.6	170
Diapers	47.3	390
Other Organic	60.6	500
Inorganics	***135.8***	***1,120***
Televisions	6.1	50
Computer Monitors	4.9	40
Computer Equipment/Peripherals	4.9	40
Electronic Equipment	24.3	200
White Goods - Refrigerated	8.5	70
White Goods - Not refrigerated	19.4	160
Lead-acid Batteries	15.8	130
Other Household Batteries	1.2	10
Tires	29.1	240
Household Bulky Items	21.8	180
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***162.5***	***1,340***
Carpet	38.8	320
Carpet Padding	4.9	40
Clothing	49.7	410
Other Textiles	69.1	570
Household Hazardous Waste	***27.9***	***230***
Construction and Demolition Debris (C&D)	***659.7***	***5,440***
Total MSW (tons)		***21,010***
Total MSW (pounds/person/day)		***6.98***

2007 population 16,493

County generation based on 2007 data.

Pike County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***554.3***	***4,630***
Newsprint	55.1	460
High Grade Office Paper	20.4	170
Magazines/Catalogs	68.2	570
Uncoated OCC/Kraft	201.1	1,680
Boxboard	40.7	340
Mixed Paper - Recyclable	71.8	600
Compostable Paper	74.2	620
Other Paper	22.7	190
Beverage Containers	***4.8***	***40***
Milk & Juice Cartons/Boxes - Coated	4.8	40
Plastic	***296.9***	***2,480***
#1 PET Bottles/Jars	25.1	210
#1 Other PET Containers	2.4	20
#2 HDPE Bottles/Jars - Clear	9.6	80
#2 HDPE Bottles/Jars - Color	14.4	120
#2 Other HDPE Containers	2.4	20
#6 Exp. Polystyrene Packaging	14.4	120
#3-#7 Other - All	14.4	120
Other Rigid Plastic Products	91.0	760
Grocery & Merchandise Bags	9.6	80
Trash Bags	26.3	220
Commercial & Industrial Film	25.1	210
Other Film	29.9	250
Other Plastic	32.3	270
Glass	***85.0***	***710***
Recyclable Glass Bottles & Jars	80.2	670
Flat Glass	3.6	30
Other Glass	1.2	10
Metal	***138.9***	***1,160***
Aluminum Beverage Containers	15.6	130
Other Aluminum	13.2	110
HVAC Ducting	1.2	10
Ferrous Containers (Tin Cans)	27.5	230

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	460
Other Non-Ferrous	4.8	40
Other Metal	21.5	180
Organics	***483.6***	***4,040***
Yard Waste - Compostable	73.0	610
Yard Waste - Woody	67.0	560
Food Scraps	215.5	1,800
Bottom Fines & Dirt	20.4	170
Diapers	46.7	390
Other Organic	61.1	510
Inorganics	***135.3***	***1,130***
Televisions	6.0	50
Computer Monitors	4.8	40
Computer Equipment/Peripherals	4.8	40
Electronic Equipment	23.9	200
White Goods - Refrigerated	8.4	70
White Goods - Not refrigerated	19.2	160
Lead-acid Batteries	15.6	130
Other Household Batteries	1.2	10
Tires	28.7	240
Household Bulky Items	22.7	190
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***134.1***	***1,120***
Carpet	38.3	320
Carpet Padding	4.8	40
Clothing	38.3	320
Other Textiles	52.7	440
Household Hazardous Waste	***27.5***	***230***
Construction and Demolition Debris (C&D)	***641.6***	***5,360***
Total MSW (tons)		***20,900***
Total MSW (pounds/person/day)		***6.85***

2007 population 16,707

County generation based on 2007 data.

Pope County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***430.4***	***900***
Newsprint	43.0	90
High Grade Office Paper	19.1	40
Magazines/Catalogs	62.2	130
Uncoated OCC/Kraft	100.4	210
Boxboard	38.3	80
Mixed Paper - Recyclable	71.7	150
Compostable Paper	71.7	150
Other Paper	23.9	50
Beverage Containers	***4.8***	***10***
Milk & Juice Cartons/Boxes - Coated	4.8	10
Plastic	***282.2***	***590***
#1 PET Bottles/Jars	23.9	50
#1 Other PET Containers	0.0	0
#2 HDPE Bottles/Jars - Clear	9.6	20
#2 HDPE Bottles/Jars - Color	14.3	30
#2 Other HDPE Containers	0.0	0
#6 Exp. Polystyrene Packaging	14.3	30
#3-#7 Other - All	14.3	30
Other Rigid Plastic Products	90.9	190
Grocery & Merchandise Bags	9.6	20
Trash Bags	23.9	50
Commercial & Industrial Film	23.9	50
Other Film	28.7	60
Other Plastic	28.7	60
Glass	***86.1***	***180***
Recyclable Glass Bottles & Jars	81.3	170
Flat Glass	4.8	10
Other Glass	0.0	0
Metal	***138.7***	***290***
Aluminum Beverage Containers	14.3	30
Other Aluminum	14.3	30
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	28.7	60

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	57.4	120
Other Non-Ferrous	4.8	10
Other Metal	19.1	40
Organics	***444.8***	***930***
Yard Waste - Compostable	71.7	150
Yard Waste - Woody	67.0	140
Food Scraps	176.9	370
Bottom Fines & Dirt	19.1	40
Diapers	47.8	100
Other Organic	62.2	130
Inorganics	***133.9***	***280***
Televisions	4.8	10
Computer Monitors	4.8	10
Computer Equipment/Peripherals	4.8	10
Electronic Equipment	23.9	50
White Goods - Refrigerated	9.6	20
White Goods - Not refrigerated	19.1	40
Lead-acid Batteries	14.3	30
Other Household Batteries	0.0	0
Tires	28.7	60
Household Bulky Items	23.9	50
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***124.3***	***260***
Carpet	38.3	80
Carpet Padding	4.8	10
Clothing	33.5	70
Other Textiles	47.8	100
Household Hazardous Waste	***23.9***	***50***
Construction and Demolition Debris (C&D)	***650.4***	***1,360***
Total MSW (tons)		***4,850***
Total MSW (pounds/person/day)		***6.35***

2007 population 4,182

County generation based on 2007 data.

Pulaski County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***449.9***	***1,460***
Newsprint	21.6	70
High Grade Office Paper	21.6	70
Magazines/Catalogs	64.7	210
Uncoated OCC/Kraft	135.6	440
Boxboard	40.1	130
Mixed Paper - Recyclable	70.9	230
Compostable Paper	74.0	240
Other Paper	21.6	70
Beverage Containers	***6.2***	***20***
Milk & Juice Cartons/Boxes - Coated	6.2	20
Plastic	***280.4***	***910***
#1 PET Bottles/Jars	24.7	80
#1 Other PET Containers	3.1	10
#2 HDPE Bottles/Jars - Clear	9.2	30
#2 HDPE Bottles/Jars - Color	15.4	50
#2 Other HDPE Containers	3.1	10
#6 Exp. Polystyrene Packaging	15.4	50
#3-#7 Other - All	15.4	50
Other Rigid Plastic Products	92.4	300
Grocery & Merchandise Bags	6.2	20
Trash Bags	24.7	80
Commercial & Industrial Film	18.5	60
Other Film	30.8	100
Other Plastic	21.6	70
Glass	***86.3***	***280***
Recyclable Glass Bottles & Jars	83.2	270
Flat Glass	3.1	10
Other Glass	0.0	0
Metal	***138.7***	***450***
Aluminum Beverage Containers	15.4	50
Other Aluminum	12.3	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.7	90

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.5	180
Other Non-Ferrous	6.2	20
Other Metal	21.6	70
Organics	***453.0***	***1,470***
Yard Waste - Compostable	74.0	240
Yard Waste - Woody	67.8	220
Food Scraps	181.8	590
Bottom Fines & Dirt	21.6	70
Diapers	46.2	150
Other Organic	61.6	200
Inorganics	***132.5***	***430***
Televisions	6.2	20
Computer Monitors	3.1	10
Computer Equipment/Peripherals	6.2	20
Electronic Equipment	24.7	80
White Goods - Refrigerated	9.2	30
White Goods - Not refrigerated	18.5	60
Lead-acid Batteries	15.4	50
Other Household Batteries	0.0	0
Tires	27.7	90
Household Bulky Items	21.6	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***110.9***	***360***
Carpet	37.0	120
Carpet Padding	6.2	20
Clothing	27.7	90
Other Textiles	40.1	130
Household Hazardous Waste	***27.7***	***90***
Construction and Demolition Debris (C&D)	***634.8***	***2,060***
Total MSW (tons)		***7,530***
Total MSW (pounds/person/day)		***6.36***

2007 population 6,490

County generation based on 2007 data.

Putnam County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***558.7***	***1,680***
Newsprint	76.5	230
High Grade Office Paper	23.3	70
Magazines/Catalogs	69.8	210
Uncoated OCC/Kraft	182.9	550
Boxboard	39.9	120
Mixed Paper - Recyclable	69.8	210
Compostable Paper	73.2	220
Other Paper	23.3	70
Beverage Containers	***6.7***	***20***
Milk & Juice Cartons/Boxes - Coated	6.7	20
Plastic	***332.6***	***1,000***
#1 PET Bottles/Jars	26.6	80
#1 Other PET Containers	3.3	10
#2 HDPE Bottles/Jars - Clear	10.0	30
#2 HDPE Bottles/Jars - Color	13.3	40
#2 Other HDPE Containers	3.3	10
#6 Exp. Polystyrene Packaging	20.0	60
#3-#7 Other - All	20.0	60
Other Rigid Plastic Products	89.8	270
Grocery & Merchandise Bags	13.3	40
Trash Bags	26.6	80
Commercial & Industrial Film	33.3	100
Other Film	29.9	90
Other Plastic	43.2	130
Glass	***83.1***	***250***
Recyclable Glass Bottles & Jars	79.8	240
Flat Glass	3.3	10
Other Glass	0.0	0
Metal	***139.7***	***420***
Aluminum Beverage Containers	16.6	50
Other Aluminum	13.3	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.6	80

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	56.5	170
Other Non-Ferrous	6.7	20
Other Metal	20.0	60
Organics	***452.3***	***1,360***
Yard Waste - Compostable	73.2	220
Yard Waste - Woody	66.5	200
Food Scraps	186.2	560
Bottom Fines & Dirt	20.0	60
Diapers	46.6	140
Other Organic	59.9	180
Inorganics	***139.7***	***420***
Televisions	6.7	20
Computer Monitors	3.3	10
Computer Equipment/Peripherals	6.7	20
Electronic Equipment	23.3	70
White Goods - Refrigerated	10.0	30
White Goods - Not refrigerated	20.0	60
Lead-acid Batteries	16.6	50
Other Household Batteries	0.0	0
Tires	29.9	90
Household Bulky Items	23.3	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***163.0***	***490***
Carpet	36.6	110
Carpet Padding	6.7	20
Clothing	49.9	150
Other Textiles	69.8	210
Household Hazardous Waste	***29.9***	***90***
Construction and Demolition Debris (C&D)	***661.8***	***1,990***
Total MSW (tons)		***7,720***
Total MSW (pounds/person/day)		***7.03***

2007 population 6,014

County generation based on 2007 data.

Randolph County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***691.7***	***11,330***
Newsprint	70.8	1,160
High Grade Office Paper	34.2	560
Magazines/Catalogs	69.6	1,140
Uncoated OCC/Kraft	309.5	5,070
Boxboard	40.3	660
Mixed Paper - Recyclable	71.4	1,170
Compostable Paper	73.9	1,210
Other Paper	22.0	360
Beverage Containers	***5.5***	***90***
Milk & Juice Cartons/Boxes - Coated	5.5	90
Plastic	***306.5***	***5,020***
#1 PET Bottles/Jars	25.6	420
#1 Other PET Containers	2.4	40
#2 HDPE Bottles/Jars - Clear	9.8	160
#2 HDPE Bottles/Jars - Color	14.7	240
#2 Other HDPE Containers	1.8	30
#6 Exp. Polystyrene Packaging	16.5	270
#3-#7 Other - All	16.5	270
Other Rigid Plastic Products	91.0	1,490
Grocery & Merchandise Bags	10.4	170
Trash Bags	25.6	420
Commercial & Industrial Film	26.9	440
Other Film	30.5	500
Other Plastic	34.8	570
Glass	***85.5***	***1,400***
Recyclable Glass Bottles & Jars	80.6	1,320
Flat Glass	3.7	60
Other Glass	1.2	20
Metal	***137.4***	***2,250***
Aluminum Beverage Containers	15.9	260
Other Aluminum	12.8	210
HVAC Ducting	0.6	10
Ferrous Containers (Tin Cans)	26.9	440

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.9	900
Other Non-Ferrous	4.9	80
Other Metal	21.4	350
Organics	***487.2***	***7,980***
Yard Waste - Compostable	73.3	1,200
Yard Waste - Woody	67.2	1,100
Food Scraps	219.2	3,590
Bottom Fines & Dirt	20.1	330
Diapers	47.0	770
Other Organic	60.4	990
Inorganics	***136.8***	***2,240***
Televisions	6.7	110
Computer Monitors	4.9	80
Computer Equipment/Peripherals	5.5	90
Electronic Equipment	24.4	400
White Goods - Refrigerated	8.5	140
White Goods - Not refrigerated	18.9	310
Lead-acid Batteries	15.9	260
Other Household Batteries	1.2	20
Tires	28.7	470
Household Bulky Items	22.0	360
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***143.5***	***2,350***
Carpet	38.5	630
Carpet Padding	6.1	100
Clothing	41.5	680
Other Textiles	57.4	940
Household Hazardous Waste	***28.7***	***470***
Construction and Demolition Debris (C&D)	***649.0***	***10,630***
Total MSW (tons)		***43,760***
Total MSW (pounds/person/day)		***7.32***

2007 population 32,760

County generation based on 2007 data.

Richland County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***761.6***	***5,920***
Newsprint	64.3	500
High Grade Office Paper	39.9	310
Magazines/Catalogs	70.8	550
Uncoated OCC/Kraft	379.5	2,950
Boxboard	41.2	320
Mixed Paper - Recyclable	70.8	550
Compostable Paper	73.3	570
Other Paper	21.9	170
Beverage Containers	***5.1***	***40***
Milk & Juice Cartons/Boxes - Coated	5.1	40
Plastic	***292.0***	***2,270***
#1 PET Bottles/Jars	25.7	200
#1 Other PET Containers	2.6	20
#2 HDPE Bottles/Jars - Clear	10.3	80
#2 HDPE Bottles/Jars - Color	14.2	110
#2 Other HDPE Containers	2.6	20
#6 Exp. Polystyrene Packaging	14.2	110
#3-#7 Other - All	14.2	110
Other Rigid Plastic Products	91.3	710
Grocery & Merchandise Bags	9.0	70
Trash Bags	25.7	200
Commercial & Industrial Film	23.2	180
Other Film	30.9	240
Other Plastic	28.3	220
Glass	***86.2***	***670***
Recyclable Glass Bottles & Jars	81.0	630
Flat Glass	3.9	30
Other Glass	1.3	10
Metal	***138.9***	***1,080***
Aluminum Beverage Containers	15.4	120
Other Aluminum	12.9	100
HVAC Ducting	1.3	10
Ferrous Containers (Tin Cans)	27.0	210

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	430
Other Non-Ferrous	5.1	40
Other Metal	21.9	170
Organics	***513.3***	***3,990***
Yard Waste - Compostable	73.3	570
Yard Waste - Woody	66.9	520
Food Scraps	245.7	1,910
Bottom Fines & Dirt	20.6	160
Diapers	46.3	360
Other Organic	60.5	470
Inorganics	***137.7***	***1,070***
Televisions	6.4	50
Computer Monitors	5.1	40
Computer Equipment/Peripherals	5.1	40
Electronic Equipment	24.4	190
White Goods - Refrigerated	9.0	70
White Goods - Not refrigerated	19.3	150
Lead-acid Batteries	15.4	120
Other Household Batteries	1.3	10
Tires	29.6	230
Household Bulky Items	21.9	170
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***128.7***	***1,000***
Carpet	38.6	300
Carpet Padding	5.1	40
Clothing	36.0	280
Other Textiles	48.9	380
Household Hazardous Waste	***28.3***	***220***
Construction and Demolition Debris (C&D)	***642.0***	***4,990***
Total MSW (tons)		***21,250***
Total MSW (pounds/person/day)		***7.49***

2007 population 15,546

County generation based on 2007 data.

Rock Island County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***879.4***	***64,780***
Newsprint	163.9	12,070
High Grade Office Paper	43.2	3,180
Magazines/Catalogs	68.4	5,040
Uncoated OCC/Kraft	396.1	29,180
Boxboard	40.6	2,990
Mixed Paper - Recyclable	71.3	5,250
Compostable Paper	73.8	5,440
Other Paper	22.1	1,630
Beverage Containers	***5.4***	***400***
Milk & Juice Cartons/Boxes - Coated	5.4	400
Plastic	***309.2***	***22,780***
#1 PET Bottles/Jars	25.7	1,890
#1 Other PET Containers	2.2	160
#2 HDPE Bottles/Jars - Clear	10.0	740
#2 HDPE Bottles/Jars - Color	14.5	1,070
#2 Other HDPE Containers	2.0	150
#6 Exp. Polystyrene Packaging	16.6	1,220
#3-#7 Other - All	16.7	1,230
Other Rigid Plastic Products	91.2	6,720
Grocery & Merchandise Bags	10.5	770
Trash Bags	25.8	1,900
Commercial & Industrial Film	28.1	2,070
Other Film	30.3	2,230
Other Plastic	35.7	2,630
Glass	***86.2***	***6,350***
Recyclable Glass Bottles & Jars	80.9	5,960
Flat Glass	3.8	280
Other Glass	1.5	110
Metal	***138.3***	***10,190***
Aluminum Beverage Containers	15.7	1,160
Other Aluminum	13.0	960
HVAC Ducting	0.7	50
Ferrous Containers (Tin Cans)	27.0	1,990

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	4,070
Other Non-Ferrous	5.2	380
Other Metal	21.4	1,580
Organics	***531.7***	***39,170***
Yard Waste - Compostable	73.3	5,400
Yard Waste - Woody	67.3	4,960
Food Scraps	263.8	19,430
Bottom Fines & Dirt	20.1	1,480
Diapers	46.7	3,440
Other Organic	60.5	4,460
Inorganics	***136.7***	***10,080***
Televisions	6.5	480
Computer Monitors	4.6	340
Computer Equipment/Peripherals	5.3	390
Electronic Equipment	24.3	1,790
White Goods - Refrigerated	8.7	640
White Goods - Not refrigerated	19.0	1,400
Lead-acid Batteries	16.0	1,180
Other Household Batteries	1.1	80
Tires	28.9	2,130
Household Bulky Items	22.3	1,640
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***147.2***	***10,840***
Carpet	38.8	2,860
Carpet Padding	5.6	410
Clothing	43.2	3,180
Other Textiles	59.6	4,390
Household Hazardous Waste	***28.6***	***2,110***
Construction and Demolition Debris (C&D)	***650.2***	***47,900***
Total MSW (tons)		***214,600***
Total MSW (pounds/person/day)		***7.98***

2007 population 147,329

County generation based on 2007 data.

Saline County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***710.3***	***9,270***
Newsprint	95.8	1,250
High Grade Office Paper	30.6	400
Magazines/Catalogs	67.4	880
Uncoated OCC/Kraft	308.8	4,030
Boxboard	40.6	530
Mixed Paper - Recyclable	71.3	930
Compostable Paper	73.6	960
Other Paper	22.2	290
Beverage Containers	***5.4***	***70***
Milk & Juice Cartons/Boxes - Coated	5.4	70
Plastic	***285.8***	***3,730***
#1 PET Bottles/Jars	25.3	330
#1 Other PET Containers	2.3	30
#2 HDPE Bottles/Jars - Clear	10.0	130
#2 HDPE Bottles/Jars - Color	14.6	190
#2 Other HDPE Containers	2.3	30
#6 Exp. Polystyrene Packaging	13.8	180
#3-#7 Other - All	13.8	180
Other Rigid Plastic Products	91.2	1,190
Grocery & Merchandise Bags	7.7	100
Trash Bags	26.1	340
Commercial & Industrial Film	21.5	280
Other Film	30.6	400
Other Plastic	26.8	350
Glass	***86.6***	***1,130***
Recyclable Glass Bottles & Jars	81.2	1,060
Flat Glass	3.8	50
Other Glass	1.5	20
Metal	***137.9***	***1,800***
Aluminum Beverage Containers	15.3	200
Other Aluminum	13.0	170
HVAC Ducting	0.8	10
Ferrous Containers (Tin Cans)	26.8	350

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	720
Other Non-Ferrous	5.4	70
Other Metal	21.5	280
Organics	***496.5***	***6,480***
Yard Waste - Compostable	73.6	960
Yard Waste - Woody	67.4	880
Food Scraps	228.3	2,980
Bottom Fines & Dirt	19.9	260
Diapers	46.7	610
Other Organic	60.5	790
Inorganics	***136.4***	***1,780***
Televisions	6.1	80
Computer Monitors	4.6	60
Computer Equipment/Peripherals	5.4	70
Electronic Equipment	24.5	320
White Goods - Refrigerated	8.4	110
White Goods - Not refrigerated	19.2	250
Lead-acid Batteries	16.1	210
Other Household Batteries	0.8	10
Tires	29.1	380
Household Bulky Items	22.2	290
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***122.6***	***1,600***
Carpet	39.1	510
Carpet Padding	5.4	70
Clothing	32.9	430
Other Textiles	45.2	590
Household Hazardous Waste	***29.1***	***380***
Construction and Demolition Debris (C&D)	***637.5***	***8,320***
Total MSW (tons)		***34,560***
Total MSW (pounds/person/day)		***7.25***

2007 population 26,102

County generation based on 2007 data.

Sangamon County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***841.3***	***81,660***
Newsprint	93.8	9,100
High Grade Office Paper	44.7	4,340
Magazines/Catalogs	70.5	6,840
Uncoated OCC/Kraft	424.5	41,200
Boxboard	40.6	3,940
Mixed Paper - Recyclable	71.3	6,920
Compostable Paper	73.9	7,170
Other Paper	22.2	2,150
Beverage Containers	***5.4***	***520***
Milk & Juice Cartons/Boxes - Coated	5.4	520
Plastic	***320.0***	***31,060***
#1 PET Bottles/Jars	25.7	2,490
#1 Other PET Containers	2.2	210
#2 HDPE Bottles/Jars - Clear	10.0	970
#2 HDPE Bottles/Jars - Color	14.5	1,410
#2 Other HDPE Containers	2.1	200
#6 Exp. Polystyrene Packaging	17.8	1,730
#3-#7 Other - All	18.0	1,750
Other Rigid Plastic Products	91.2	8,850
Grocery & Merchandise Bags	11.6	1,130
Trash Bags	25.9	2,510
Commercial & Industrial Film	31.1	3,020
Other Film	30.3	2,940
Other Plastic	39.7	3,850
Glass	***86.3***	***8,380***
Recyclable Glass Bottles & Jars	81.0	7,860
Flat Glass	3.8	370
Other Glass	1.5	150
Metal	***138.2***	***13,410***
Aluminum Beverage Containers	15.7	1,520
Other Aluminum	13.0	1,260
HVAC Ducting	0.6	60
Ferrous Containers (Tin Cans)	27.0	2,620

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	5,360
Other Non-Ferrous	5.2	500
Other Metal	21.5	2,090
Organics	***570.9***	***55,410***
Yard Waste - Compostable	73.4	7,120
Yard Waste - Woody	67.3	6,530
Food Scraps	302.9	29,400
Bottom Fines & Dirt	20.0	1,940
Diapers	46.8	4,540
Other Organic	60.6	5,880
Inorganics	***136.3***	***13,240***
Televisions	6.5	630
Computer Monitors	4.5	440
Computer Equipment/Peripherals	5.3	510
Electronic Equipment	24.2	2,350
White Goods - Refrigerated	8.7	840
White Goods - Not refrigerated	19.0	1,840
Lead-acid Batteries	16.0	1,550
Other Household Batteries	1.0	100
Tires	29.0	2,810
Household Bulky Items	22.3	2,160
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***158.7***	***15,400***
Carpet	38.7	3,760
Carpet Padding	5.7	550
Clothing	48.0	4,660
Other Textiles	66.2	6,430
Household Hazardous Waste	***28.8***	***2,800***
Construction and Demolition Debris (C&D)	***655.8***	***63,650***
Total MSW (tons)		***285,530***
Total MSW (pounds/person/day)		***8.06***

2007 population 194,122

County generation based on 2007 data.

Schuyler County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***546.5***	***1,910***
Newsprint	40.1	140
High Grade Office Paper	20.0	70
Magazines/Catalogs	68.7	240
Uncoated OCC/Kraft	208.9	730
Boxboard	40.1	140
Mixed Paper - Recyclable	71.5	250
Compostable Paper	74.4	260
Other Paper	22.9	80
Beverage Containers	***5.7***	***20***
Milk & Juice Cartons/Boxes - Coated	5.7	20
Plastic	***314.7***	***1,100***
#1 PET Bottles/Jars	25.8	90
#1 Other PET Containers	2.9	10
#2 HDPE Bottles/Jars - Clear	11.4	40
#2 HDPE Bottles/Jars - Color	14.3	50
#2 Other HDPE Containers	2.9	10
#6 Exp. Polystyrene Packaging	17.2	60
#3-#7 Other - All	17.2	60
Other Rigid Plastic Products	91.6	320
Grocery & Merchandise Bags	11.4	40
Trash Bags	25.8	90
Commercial & Industrial Film	28.6	100
Other Film	31.5	110
Other Plastic	34.3	120
Glass	***85.8***	***300***
Recyclable Glass Bottles & Jars	80.1	280
Flat Glass	2.9	10
Other Glass	2.9	10
Metal	***137.3***	***480***
Aluminum Beverage Containers	14.3	50
Other Aluminum	14.3	50
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	25.8	90

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.4	190
Other Non-Ferrous	5.7	20
Other Metal	22.9	80
Organics	***472.1***	***1,650***
Yard Waste - Compostable	74.4	260
Yard Waste - Woody	68.7	240
Food Scraps	203.1	710
Bottom Fines & Dirt	20.0	70
Diapers	45.8	160
Other Organic	60.1	210
Inorganics	***137.3***	***480***
Televisions	5.7	20
Computer Monitors	5.7	20
Computer Equipment/Peripherals	5.7	20
Electronic Equipment	22.9	80
White Goods - Refrigerated	8.6	30
White Goods - Not refrigerated	20.0	70
Lead-acid Batteries	17.2	60
Other Household Batteries	0.0	0
Tires	28.6	100
Household Bulky Items	22.9	80
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***145.9***	***510***
Carpet	40.1	140
Carpet Padding	5.7	20
Clothing	42.9	150
Other Textiles	57.2	200
Household Hazardous Waste	***25.8***	***90***
Construction and Demolition Debris (C&D)	***652.4***	***2,280***
Total MSW (tons)		***8,820***
Total MSW (pounds/person/day)		***6.91***

2007 population 6,990

County generation based on 2007 data.

Scott County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***494.7***	***1,290***
Newsprint	84.4	220
High Grade Office Paper	19.2	50
Magazines/Catalogs	65.2	170
Uncoated OCC/Kraft	115.1	300
Boxboard	42.2	110
Mixed Paper - Recyclable	72.9	190
Compostable Paper	72.9	190
Other Paper	23.0	60
Beverage Containers	***3.8***	***10***
Milk & Juice Cartons/Boxes - Coated	3.8	10
Plastic	***318.3***	***830***
#1 PET Bottles/Jars	26.8	70
#1 Other PET Containers	3.8	10
#2 HDPE Bottles/Jars - Clear	11.5	30
#2 HDPE Bottles/Jars - Color	15.3	40
#2 Other HDPE Containers	3.8	10
#6 Exp. Polystyrene Packaging	15.3	40
#3-#7 Other - All	15.3	40
Other Rigid Plastic Products	92.0	240
Grocery & Merchandise Bags	11.5	30
Trash Bags	26.8	70
Commercial & Industrial Film	26.8	70
Other Film	30.7	80
Other Plastic	38.4	100
Glass	***88.2***	***230***
Recyclable Glass Bottles & Jars	84.4	220
Flat Glass	3.8	10
Other Glass	0.0	0
Metal	***134.2***	***350***
Aluminum Beverage Containers	15.3	40
Other Aluminum	11.5	30
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.8	70

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	53.7	140
Other Non-Ferrous	3.8	10
Other Metal	23.0	60
Organics	***452.5***	***1,180***
Yard Waste - Compostable	72.9	190
Yard Waste - Woody	69.0	180
Food Scraps	184.1	480
Bottom Fines & Dirt	19.2	50
Diapers	46.0	120
Other Organic	61.4	160
Inorganics	***134.2***	***350***
Televisions	7.7	20
Computer Monitors	3.8	10
Computer Equipment/Peripherals	3.8	10
Electronic Equipment	23.0	60
White Goods - Refrigerated	7.7	20
White Goods - Not refrigerated	19.2	50
Lead-acid Batteries	15.3	40
Other Household Batteries	0.0	0
Tires	30.7	80
Household Bulky Items	23.0	60
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***149.6***	***390***
Carpet	38.4	100
Carpet Padding	3.8	10
Clothing	46.0	120
Other Textiles	61.4	160
Household Hazardous Waste	***30.7***	***80***
Construction and Demolition Debris (C&D)	***652.0***	***1,700***
Total MSW (tons)		***6,410***
Total MSW (pounds/person/day)		***6.74***

2007 population 5,215

County generation based on 2007 data.

Shelby County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***564.4***	***6,140***
Newsprint	84.6	920
High Grade Office Paper	22.1	240
Magazines/Catalogs	65.3	710
Uncoated OCC/Kraft	184.8	2,010
Boxboard	40.4	440
Mixed Paper - Recyclable	71.7	780
Compostable Paper	73.5	800
Other Paper	22.1	240
Beverage Containers	***5.5***	***60***
Milk & Juice Cartons/Boxes - Coated	5.5	60
Plastic	***316.2***	***3,440***
#1 PET Bottles/Jars	25.7	280
#1 Other PET Containers	1.8	20
#2 HDPE Bottles/Jars - Clear	10.1	110
#2 HDPE Bottles/Jars - Color	14.7	160
#2 Other HDPE Containers	1.8	20
#6 Exp. Polystyrene Packaging	17.5	190
#3-#7 Other - All	17.5	190
Other Rigid Plastic Products	91.0	990
Grocery & Merchandise Bags	11.0	120
Trash Bags	25.7	280
Commercial & Industrial Film	30.3	330
Other Film	30.3	330
Other Plastic	38.6	420
Glass	***86.4***	***940***
Recyclable Glass Bottles & Jars	80.9	880
Flat Glass	3.7	40
Other Glass	1.8	20
Metal	***137.9***	***1,500***
Aluminum Beverage Containers	15.6	170
Other Aluminum	12.9	140
HVAC Ducting	0.9	10
Ferrous Containers (Tin Cans)	26.7	290

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	600
Other Non-Ferrous	5.5	60
Other Metal	21.1	230
Organics	***488.1***	***5,310***
Yard Waste - Compostable	73.5	800
Yard Waste - Woody	67.1	730
Food Scraps	219.7	2,390
Bottom Fines & Dirt	20.2	220
Diapers	46.9	510
Other Organic	60.7	660
Inorganics	***136.0***	***1,480***
Televisions	6.4	70
Computer Monitors	4.6	50
Computer Equipment/Peripherals	5.5	60
Electronic Equipment	23.9	260
White Goods - Refrigerated	8.3	90
White Goods - Not refrigerated	19.3	210
Lead-acid Batteries	15.6	170
Other Household Batteries	0.9	10
Tires	29.4	320
Household Bulky Items	22.1	240
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***156.3***	***1,700***
Carpet	39.5	430
Carpet Padding	5.5	60
Clothing	46.9	510
Other Textiles	64.3	700
Household Hazardous Waste	***28.5***	***310***
Construction and Demolition Debris (C&D)	***653.5***	***7,110***
Total MSW (tons)		***27,990***
Total MSW (pounds/person/day)		***7.05***

2007 population 21,759

County generation based on 2007 data.

St. Clair County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***727.2***	***95,020***
Newsprint	90.1	11,770
High Grade Office Paper	32.7	4,270
Magazines/Catalogs	65.9	8,610
Uncoated OCC/Kraft	330.7	43,210
Boxboard	40.6	5,300
Mixed Paper - Recyclable	71.3	9,310
Compostable Paper	73.9	9,650
Other Paper	22.2	2,900
Beverage Containers	***5.4***	***700***
Milk & Juice Cartons/Boxes - Coated	5.4	700
Plastic	***312.5***	***40,830***
#1 PET Bottles/Jars	25.6	3,350
#1 Other PET Containers	2.1	280
#2 HDPE Bottles/Jars - Clear	10.0	1,310
#2 HDPE Bottles/Jars - Color	14.5	1,900
#2 Other HDPE Containers	2.1	270
#6 Exp. Polystyrene Packaging	16.9	2,210
#3-#7 Other - All	17.1	2,240
Other Rigid Plastic Products	91.2	11,920
Grocery & Merchandise Bags	10.8	1,410
Trash Bags	25.9	3,380
Commercial & Industrial Film	29.0	3,790
Other Film	30.2	3,950
Other Plastic	36.9	4,820
Glass	***86.3***	***11,280***
Recyclable Glass Bottles & Jars	81.0	10,580
Flat Glass	3.8	500
Other Glass	1.5	200
Metal	***138.3***	***18,070***
Aluminum Beverage Containers	15.7	2,050
Other Aluminum	13.0	1,700
HVAC Ducting	0.7	90
Ferrous Containers (Tin Cans)	27.0	3,530

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.3	7,220
Other Non-Ferrous	5.1	670
Other Metal	21.5	2,810
Organics	***586.0***	***76,570***
Yard Waste - Compostable	73.3	9,580
Yard Waste - Woody	67.3	8,790
Food Scraps	318.1	41,560
Bottom Fines & Dirt	20.1	2,620
Diapers	46.8	6,110
Other Organic	60.5	7,910
Inorganics	***136.6***	***17,860***
Televisions	6.5	850
Computer Monitors	4.6	600
Computer Equipment/Peripherals	5.3	690
Electronic Equipment	24.3	3,170
White Goods - Refrigerated	8.6	1,130
White Goods - Not refrigerated	19.0	2,480
Lead-acid Batteries	16.0	2,090
Other Household Batteries	1.1	140
Tires	29.0	3,790
Household Bulky Items	22.3	2,910
Fluorescent Lights/Ballasts	<0.1	10
Textiles	***150.6***	***19,680***
Carpet	38.7	5,060
Carpet Padding	5.7	740
Clothing	44.6	5,830
Other Textiles	61.6	8,050
Household Hazardous Waste	***28.8***	***3,760***
Construction and Demolition Debris (C&D)	***652.2***	***85,210***
Total MSW (tons)		***368,980***
Total MSW (pounds/person/day)		***7.74***

2007 population 261,316

County generation based on 2007 data.

Stark County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***504.0***	***1,560***
Newsprint	58.1	180
High Grade Office Paper	19.4	60
Magazines/Catalogs	71.1	220
Uncoated OCC/Kraft	145.4	450
Boxboard	42.0	130
Mixed Paper - Recyclable	71.1	220
Compostable Paper	74.3	230
Other Paper	22.6	70
Beverage Containers	***6.5***	***20***
Milk & Juice Cartons/Boxes - Coated	6.5	20
Plastic	***319.8***	***990***
#1 PET Bottles/Jars	25.8	80
#1 Other PET Containers	3.2	10
#2 HDPE Bottles/Jars - Clear	9.7	30
#2 HDPE Bottles/Jars - Color	16.2	50
#2 Other HDPE Containers	3.2	10
#6 Exp. Polystyrene Packaging	19.4	60
#3-#7 Other - All	19.4	60
Other Rigid Plastic Products	90.5	280
Grocery & Merchandise Bags	9.7	30
Trash Bags	25.8	80
Commercial & Industrial Film	29.1	90
Other Film	29.1	90
Other Plastic	38.8	120
Glass	***84.0***	***260***
Recyclable Glass Bottles & Jars	80.8	250
Flat Glass	3.2	10
Other Glass	0.0	0
Metal	***138.9***	***430***
Aluminum Beverage Containers	16.2	50
Other Aluminum	12.9	40
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	25.8	80

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.9	170
Other Non-Ferrous	6.5	20
Other Metal	22.6	70
Organics	***442.6***	***1,370***
Yard Waste - Compostable	74.3	230
Yard Waste - Woody	67.8	210
Food Scraps	174.4	540
Bottom Fines & Dirt	19.4	60
Diapers	45.2	140
Other Organic	61.4	190
Inorganics	***138.9***	***430***
Televisions	6.5	20
Computer Monitors	3.2	10
Computer Equipment/Peripherals	6.5	20
Electronic Equipment	25.8	80
White Goods - Refrigerated	9.7	30
White Goods - Not refrigerated	19.4	60
Lead-acid Batteries	16.2	50
Other Household Batteries	0.0	0
Tires	29.1	90
Household Bulky Items	22.6	70
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***155.1***	***480***
Carpet	38.8	120
Carpet Padding	6.5	20
Clothing	45.2	140
Other Textiles	64.6	200
Household Hazardous Waste	***29.1***	***90***
Construction and Demolition Debris (C&D)	***652.6***	***2,020***
Total MSW (tons)		***7,650***
Total MSW (pounds/person/day)		***6.77***

2007 population 6,191

County generation based on 2007 data.

Stephenson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***727.0***	***16,930***
Newsprint	83.7	1,950
High Grade Office Paper	38.2	890
Magazines/Catalogs	73.0	1,700
Uncoated OCC/Kraft	324.2	7,550
Boxboard	40.4	940
Mixed Paper - Recyclable	71.3	1,660
Compostable Paper	73.9	1,720
Other Paper	22.3	520
Beverage Containers	***5.2***	***120***
Milk & Juice Cartons/Boxes - Coated	5.2	120
Plastic	***314.3***	***7,320***
#1 PET Bottles/Jars	25.8	600
#1 Other PET Containers	2.1	50
#2 HDPE Bottles/Jars - Clear	9.9	230
#2 HDPE Bottles/Jars - Color	14.6	340
#2 Other HDPE Containers	2.1	50
#6 Exp. Polystyrene Packaging	17.2	400
#3-#7 Other - All	17.2	400
Other Rigid Plastic Products	91.0	2,120
Grocery & Merchandise Bags	11.2	260
Trash Bags	25.8	600
Commercial & Industrial Film	29.6	690
Other Film	30.1	700
Other Plastic	37.8	880
Glass	***86.3***	***2,010***
Recyclable Glass Bottles & Jars	81.2	1,890
Flat Glass	3.9	90
Other Glass	1.3	30
Metal	***138.7***	***3,230***
Aluminum Beverage Containers	15.9	370
Other Aluminum	12.9	300
HVAC Ducting	0.9	20
Ferrous Containers (Tin Cans)	27.1	630

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.4	1,290
Other Non-Ferrous	5.2	120
Other Metal	21.5	500
Organics	***491.7***	***11,450***
Yard Waste - Compostable	73.4	1,710
Yard Waste - Woody	67.4	1,570
Food Scraps	223.3	5,200
Bottom Fines & Dirt	20.2	470
Diapers	46.8	1,090
Other Organic	60.6	1,410
Inorganics	***135.7***	***3,160***
Televisions	6.4	150
Computer Monitors	4.7	110
Computer Equipment/Peripherals	5.2	120
Electronic Equipment	24.0	560
White Goods - Refrigerated	8.6	200
White Goods - Not refrigerated	18.9	440
Lead-acid Batteries	15.9	370
Other Household Batteries	0.9	20
Tires	28.8	670
Household Bulky Items	22.3	520
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***152.4***	***3,550***
Carpet	38.6	900
Carpet Padding	5.6	130
Clothing	45.5	1,060
Other Textiles	62.7	1,460
Household Hazardous Waste	***29.2***	***680***
Construction and Demolition Debris (C&D)	***653.6***	***15,220***
Total MSW (tons)		***63,670***
Total MSW (pounds/person/day)		***7.49***

2007 population	46,573

County generation based on 2007 data.

Tazewell County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***632.4***	***41,470***
Newsprint	84.6	5,550
High Grade Office Paper	43.5	2,850
Magazines/Catalogs	69.8	4,580
Uncoated OCC/Kraft	226.8	14,870
Boxboard	40.6	2,660
Mixed Paper - Recyclable	71.2	4,670
Compostable Paper	73.8	4,840
Other Paper	22.1	1,450
Beverage Containers	***5.3***	***350***
Milk & Juice Cartons/Boxes - Coated	5.3	350
Plastic	***323.1***	***21,190***
#1 PET Bottles/Jars	25.6	1,680
#1 Other PET Containers	2.1	140
#2 HDPE Bottles/Jars - Clear	10.1	660
#2 HDPE Bottles/Jars - Color	14.6	960
#2 Other HDPE Containers	2.0	130
#6 Exp. Polystyrene Packaging	18.1	1,190
#3-#7 Other - All	18.5	1,210
Other Rigid Plastic Products	91.2	5,980
Grocery & Merchandise Bags	12.0	790
Trash Bags	25.8	1,690
Commercial & Industrial Film	32.0	2,100
Other Film	30.2	1,980
Other Plastic	40.9	2,680
Glass	***86.3***	***5,660***
Recyclable Glass Bottles & Jars	81.0	5,310
Flat Glass	3.8	250
Other Glass	1.5	100
Metal	***138.2***	***9,060***
Aluminum Beverage Containers	15.7	1,030
Other Aluminum	13.0	850
HVAC Ducting	0.6	40
Ferrous Containers (Tin Cans)	27.0	1,770

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	3,620
Other Non-Ferrous	5.2	340
Other Metal	21.5	1,410
Organics	***624.0***	***40,920***
Yard Waste - Compostable	73.3	4,810
Yard Waste - Woody	67.2	4,410
Food Scraps	356.1	23,350
Bottom Fines & Dirt	20.0	1,310
Diapers	46.8	3,070
Other Organic	60.5	3,970
Inorganics	***136.6***	***8,960***
Televisions	6.6	430
Computer Monitors	4.6	300
Computer Equipment/Peripherals	5.2	340
Electronic Equipment	24.2	1,590
White Goods - Refrigerated	8.7	570
White Goods - Not refrigerated	18.9	1,240
Lead-acid Batteries	16.0	1,050
Other Household Batteries	1.1	70
Tires	29.0	1,900
Household Bulky Items	22.3	1,460
Fluorescent Lights/Ballasts	0.2	10
Textiles	***161.9***	***10,620***
Carpet	38.7	2,540
Carpet Padding	5.6	370
Clothing	49.4	3,240
Other Textiles	68.2	4,470
Household Hazardous Waste	***28.8***	***1,890***
Construction and Demolition Debris (C&D)	***657.5***	***43,120***
Total MSW (tons)		***183,240***
Total MSW (pounds/person/day)		***7.66***

2007 population 131,154

County generation based on 2007 data.

Union County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***462.3***	***4,220***
Newsprint	44.9	410
High Grade Office Paper	20.8	190
Magazines/Catalogs	65.7	600
Uncoated OCC/Kraft	123.8	1,130
Boxboard	40.5	370
Mixed Paper - Recyclable	71.2	650
Compostable Paper	73.4	670
Other Paper	21.9	200
Beverage Containers	***5.5***	***50***
Milk & Juice Cartons/Boxes - Coated	5.5	50
Plastic	***293.6***	***2,680***
#1 PET Bottles/Jars	25.2	230
#1 Other PET Containers	2.2	20
#2 HDPE Bottles/Jars - Clear	9.9	90
#2 HDPE Bottles/Jars - Color	14.2	130
#2 Other HDPE Containers	2.2	20
#6 Exp. Polystyrene Packaging	15.3	140
#3-#7 Other - All	15.3	140
Other Rigid Plastic Products	90.9	830
Grocery & Merchandise Bags	8.8	80
Trash Bags	26.3	240
Commercial & Industrial Film	23.0	210
Other Film	30.7	280
Other Plastic	29.6	270
Glass	***85.4***	***780***
Recyclable Glass Bottles & Jars	81.1	740
Flat Glass	3.3	30
Other Glass	1.1	10
Metal	***139.1***	***1,270***
Aluminum Beverage Containers	15.3	140
Other Aluminum	13.1	120
HVAC Ducting	1.1	10
Ferrous Containers (Tin Cans)	27.4	250

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.8	500
Other Non-Ferrous	5.5	50
Other Metal	21.9	200
Organics	***471.1***	***4,300***
Yard Waste - Compostable	73.4	670
Yard Waste - Woody	66.8	610
Food Scraps	203.8	1,860
Bottom Fines & Dirt	19.7	180
Diapers	47.1	430
Other Organic	60.3	550
Inorganics	***135.8***	***1,240***
Televisions	6.6	60
Computer Monitors	4.4	40
Computer Equipment/Peripherals	5.5	50
Electronic Equipment	24.1	220
White Goods - Refrigerated	8.8	80
White Goods - Not refrigerated	18.6	170
Lead-acid Batteries	16.4	150
Other Household Batteries	1.1	10
Tires	28.5	260
Household Bulky Items	21.9	200
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***129.3***	***1,180***
Carpet	38.3	350
Carpet Padding	5.5	50
Clothing	36.2	330
Other Textiles	49.3	450
Household Hazardous Waste	***28.5***	***260***
Construction and Demolition Debris (C&D)	***641.9***	***5,860***
Total MSW (tons)		***21,840***
Total MSW (pounds/person/day)		***6.55***

2007 population 18,257

County generation based on 2007 data.

Vermilion County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***702.3***	***28,510***
Newsprint	74.6	3,030
High Grade Office Paper	34.7	1,410
Magazines/Catalogs	67.5	2,740
Uncoated OCC/Kraft	317.5	12,890
Boxboard	40.6	1,650
Mixed Paper - Recyclable	71.2	2,890
Compostable Paper	73.9	3,000
Other Paper	22.2	900
Beverage Containers	***5.4***	***220***
Milk & Juice Cartons/Boxes - Coated	5.4	220
Plastic	***296.3***	***12,030***
#1 PET Bottles/Jars	25.6	1,040
#1 Other PET Containers	2.2	90
#2 HDPE Bottles/Jars - Clear	10.1	410
#2 HDPE Bottles/Jars - Color	14.5	590
#2 Other HDPE Containers	2.0	80
#6 Exp. Polystyrene Packaging	15.0	610
#3-#7 Other - All	15.0	610
Other Rigid Plastic Products	91.1	3,700
Grocery & Merchandise Bags	9.1	370
Trash Bags	25.9	1,050
Commercial & Industrial Film	24.4	990
Other Film	30.3	1,230
Other Plastic	31.0	1,260
Glass	***86.0***	***3,490***
Recyclable Glass Bottles & Jars	80.8	3,280
Flat Glass	3.7	150
Other Glass	1.5	60
Metal	***138.4***	***5,620***
Aluminum Beverage Containers	15.8	640
Other Aluminum	13.1	530
HVAC Ducting	0.7	30
Ferrous Containers (Tin Cans)	27.1	1,100

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	2,240
Other Non-Ferrous	5.2	210
Other Metal	21.4	870
Organics	***504.0***	***20,460***
Yard Waste - Compostable	73.4	2,980
Yard Waste - Woody	67.2	2,730
Food Scraps	236.0	9,580
Bottom Fines & Dirt	20.0	810
Diapers	46.8	1,900
Other Organic	60.6	2,460
Inorganics	***136.2***	***5,530***
Televisions	6.4	260
Computer Monitors	4.7	190
Computer Equipment/Peripherals	5.2	210
Electronic Equipment	24.1	980
White Goods - Refrigerated	8.6	350
White Goods - Not refrigerated	19.0	770
Lead-acid Batteries	16.0	650
Other Household Batteries	1.0	40
Tires	29.1	1,180
Household Bulky Items	22.2	900
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***133.5***	***5,420***
Carpet	38.7	1,570
Carpet Padding	5.7	230
Clothing	37.4	1,520
Other Textiles	51.7	2,100
Household Hazardous Waste	***28.6***	***1,160***
Construction and Demolition Debris (C&D)	***644.2***	***26,150***
Total MSW (tons)		***108,590***
Total MSW (pounds/person/day)		***7.33***

2007 population 81,191

County generation based on 2007 data.

Wabash County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***702.0***	***4,270***
Newsprint	116.7	710
High Grade Office Paper	27.9	170
Magazines/Catalogs	67.4	410
Uncoated OCC/Kraft	282.8	1,720
Boxboard	41.1	250
Mixed Paper - Recyclable	70.7	430
Compostable Paper	74.0	450
Other Paper	21.4	130
Beverage Containers	***4.9***	***30***
Milk & Juice Cartons/Boxes - Coated	4.9	30
Plastic	***302.5***	***1,840***
#1 PET Bottles/Jars	26.3	160
#1 Other PET Containers	1.6	10
#2 HDPE Bottles/Jars - Clear	9.9	60
#2 HDPE Bottles/Jars - Color	14.8	90
#2 Other HDPE Containers	1.6	10
#6 Exp. Polystyrene Packaging	16.4	100
#3-#7 Other - All	16.4	100
Other Rigid Plastic Products	90.4	550
Grocery & Merchandise Bags	9.9	60
Trash Bags	26.3	160
Commercial & Industrial Film	26.3	160
Other Film	29.6	180
Other Plastic	32.9	200
Glass	***87.1***	***530***
Recyclable Glass Bottles & Jars	82.2	500
Flat Glass	3.3	20
Other Glass	1.6	10
Metal	***138.1***	***840***
Aluminum Beverage Containers	16.4	100
Other Aluminum	13.2	80
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	26.3	160

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.9	340
Other Non-Ferrous	4.9	30
Other Metal	21.4	130
Organics	***488.3***	***2,970***
Yard Waste - Compostable	74.0	450
Yard Waste - Woody	67.4	410
Food Scraps	220.3	1,340
Bottom Fines & Dirt	19.7	120
Diapers	46.0	280
Other Organic	60.8	370
Inorganics	***139.7***	***850***
Televisions	6.6	40
Computer Monitors	4.9	30
Computer Equipment/Peripherals	4.9	30
Electronic Equipment	24.7	150
White Goods - Refrigerated	8.2	50
White Goods - Not refrigerated	19.7	120
Lead-acid Batteries	16.4	100
Other Household Batteries	1.6	10
Tires	29.6	180
Household Bulky Items	23.0	140
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***138.1***	***840***
Carpet	39.5	240
Carpet Padding	4.9	30
Clothing	39.5	240
Other Textiles	54.3	330
Household Hazardous Waste	***27.9***	***170***
Construction and Demolition Debris (C&D)	***647.8***	***3,940***
Total MSW (tons)		***16,280***
Total MSW (pounds/person/day)		***7.33***

2007 population 12,165

County generation based on 2007 data.

Warren County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***660.8***	***5,750***
Newsprint	47.1	410
High Grade Office Paper	34.5	300
Magazines/Catalogs	67.8	590
Uncoated OCC/Kraft	304.6	2,650
Boxboard	40.2	350
Mixed Paper - Recyclable	71.3	620
Compostable Paper	73.6	640
Other Paper	21.8	190
Beverage Containers	***5.7***	***50***
Milk & Juice Cartons/Boxes - Coated	5.7	50
Plastic	***301.1***	***2,620***
#1 PET Bottles/Jars	25.3	220
#1 Other PET Containers	2.3	20
#2 HDPE Bottles/Jars - Clear	10.3	90
#2 HDPE Bottles/Jars - Color	14.9	130
#2 Other HDPE Containers	2.3	20
#6 Exp. Polystyrene Packaging	16.1	140
#3-#7 Other - All	17.2	150
Other Rigid Plastic Products	90.8	790
Grocery & Merchandise Bags	9.2	80
Trash Bags	25.3	220
Commercial & Industrial Film	25.3	220
Other Film	29.9	260
Other Plastic	32.2	280
Glass	***85.0***	***740***
Recyclable Glass Bottles & Jars	80.5	700
Flat Glass	3.4	30
Other Glass	1.1	10
Metal	***137.9***	***1,200***
Aluminum Beverage Containers	16.1	140
Other Aluminum	12.6	110
HVAC Ducting	1.1	10
Ferrous Containers (Tin Cans)	26.4	230

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	480
Other Non-Ferrous	4.6	40
Other Metal	21.8	190
Organics	***499.9***	***4,350***
Yard Waste - Compostable	73.6	640
Yard Waste - Woody	67.8	590
Food Scraps	231.0	2,010
Bottom Fines & Dirt	19.5	170
Diapers	47.1	410
Other Organic	60.9	530
Inorganics	***137.9***	***1,200***
Televisions	6.9	60
Computer Monitors	4.6	40
Computer Equipment/Peripherals	5.7	50
Electronic Equipment	24.1	210
White Goods - Refrigerated	9.2	80
White Goods - Not refrigerated	19.5	170
Lead-acid Batteries	16.1	140
Other Household Batteries	1.1	10
Tires	28.7	250
Household Bulky Items	21.8	190
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***136.8***	***1,190***
Carpet	37.9	330
Carpet Padding	5.7	50
Clothing	39.1	340
Other Textiles	54.0	470
Household Hazardous Waste	***28.7***	***250***
Construction and Demolition Debris (C&D)	***647.1***	***5,630***
Total MSW (tons)		***22,980***
Total MSW (pounds/person/day)		***7.24***

2007 population 17,402

County generation based on 2007 data.

Washington County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***706.9***	***5,220***
Newsprint	55.5	410
High Grade Office Paper	43.3	320
Magazines/Catalogs	69.1	510
Uncoated OCC/Kraft	330.4	2,440
Boxboard	40.6	300
Mixed Paper - Recyclable	71.8	530
Compostable Paper	74.5	550
Other Paper	21.7	160
Beverage Containers	***5.4***	***40***
Milk & Juice Cartons/Boxes - Coated	5.4	40
Plastic	***319.6***	***2,360***
#1 PET Bottles/Jars	25.7	190
#1 Other PET Containers	2.7	20
#2 HDPE Bottles/Jars - Clear	9.5	70
#2 HDPE Bottles/Jars - Color	14.9	110
#2 Other HDPE Containers	2.7	20
#6 Exp. Polystyrene Packaging	17.6	130
#3-#7 Other - All	17.6	130
Other Rigid Plastic Products	90.7	670
Grocery & Merchandise Bags	12.2	90
Trash Bags	25.7	190
Commercial & Industrial Film	31.1	230
Other Film	29.8	220
Other Plastic	39.3	290
Glass	***86.7***	***640***
Recyclable Glass Bottles & Jars	81.3	600
Flat Glass	4.1	30
Other Glass	1.4	10
Metal	***139.5***	***1,030***
Aluminum Beverage Containers	16.3	120
Other Aluminum	13.5	100
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.1	200

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.5	410
Other Non-Ferrous	5.4	40
Other Metal	21.7	160
Organics	***490.2***	***3,620***
Yard Waste - Compostable	73.1	540
Yard Waste - Woody	67.7	500
Food Scraps	220.7	1,630
Bottom Fines & Dirt	20.3	150
Diapers	47.4	350
Other Organic	60.9	450
Inorganics	***135.4***	***1,000***
Televisions	6.8	50
Computer Monitors	4.1	30
Computer Equipment/Peripherals	5.4	40
Electronic Equipment	24.4	180
White Goods - Refrigerated	8.1	60
White Goods - Not refrigerated	19.0	140
Lead-acid Batteries	16.3	120
Other Household Batteries	1.4	10
Tires	28.4	210
Household Bulky Items	21.7	160
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***158.4***	***1,170***
Carpet	39.3	290
Carpet Padding	5.4	40
Clothing	47.4	350
Other Textiles	66.4	490
Household Hazardous Waste	***28.4***	***210***
Construction and Demolition Debris (C&D)	***656.8***	***4,850***
Total MSW (tons)		***20,140***
Total MSW (pounds/person/day)		***7.47***

2007 population 14,769

County generation based on 2007 data.

Wayne County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***556.5***	***4,610***
Newsprint	42.3	350
High Grade Office Paper	22.9	190
Magazines/Catalogs	67.6	560
Uncoated OCC/Kraft	216.1	1,790
Boxboard	41.0	340
Mixed Paper - Recyclable	71.2	590
Compostable Paper	73.6	610
Other Paper	21.7	180
Beverage Containers	***4.8***	***40***
Milk & Juice Cartons/Boxes - Coated	4.8	40
Plastic	***289.7***	***2,400***
#1 PET Bottles/Jars	25.4	210
#1 Other PET Containers	2.4	20
#2 HDPE Bottles/Jars - Clear	9.7	80
#2 HDPE Bottles/Jars - Color	14.5	120
#2 Other HDPE Containers	2.4	20
#6 Exp. Polystyrene Packaging	13.3	110
#3-#7 Other - All	13.3	110
Other Rigid Plastic Products	91.7	760
Grocery & Merchandise Bags	8.5	70
Trash Bags	25.4	210
Commercial & Industrial Film	22.9	190
Other Film	30.2	250
Other Plastic	30.2	250
Glass	***85.7***	***710***
Recyclable Glass Bottles & Jars	80.9	670
Flat Glass	3.6	30
Other Glass	1.2	10
Metal	***138.8***	***1,150***
Aluminum Beverage Containers	15.7	130
Other Aluminum	13.3	110
HVAC Ducting	1.2	10
Ferrous Containers (Tin Cans)	26.6	220

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.5	460
Other Non-Ferrous	4.8	40
Other Metal	21.7	180
Organics	***466.0***	***3,860***
Yard Waste - Compostable	73.6	610
Yard Waste - Woody	67.6	560
Food Scraps	196.8	1,630
Bottom Fines & Dirt	20.5	170
Diapers	47.1	390
Other Organic	60.4	500
Inorganics	***135.2***	***1,120***
Televisions	6.0	50
Computer Monitors	4.8	40
Computer Equipment/Peripherals	4.8	40
Electronic Equipment	24.1	200
White Goods - Refrigerated	8.5	70
White Goods - Not refrigerated	19.3	160
Lead-acid Batteries	15.7	130
Other Household Batteries	1.2	10
Tires	29.0	240
Household Bulky Items	21.7	180
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***129.2***	***1,070***
Carpet	38.6	320
Carpet Padding	4.8	40
Clothing	36.2	300
Other Textiles	49.5	410
Household Hazardous Waste	***27.8***	***230***
Construction and Demolition Debris (C&D)	***642.2***	***5,320***
Total MSW (tons)		***20,510***
Total MSW (pounds/person/day)		***6.78***

2007 population 16,568

County generation based on 2007 data.

White County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***652.2***	***4,780***
Newsprint	91.4	670
High Grade Office Paper	27.3	200
Magazines/Catalogs	71.0	520
Uncoated OCC/Kraft	255.2	1,870
Boxboard	40.9	300
Mixed Paper - Recyclable	71.0	520
Compostable Paper	73.7	540
Other Paper	21.8	160
Beverage Containers	***5.5***	***40***
Milk & Juice Cartons/Boxes - Coated	5.5	40
Plastic	***292.0***	***2,140***
#1 PET Bottles/Jars	25.9	190
#1 Other PET Containers	2.7	20
#2 HDPE Bottles/Jars - Clear	9.6	70
#2 HDPE Bottles/Jars - Color	15.0	110
#2 Other HDPE Containers	2.7	20
#6 Exp. Polystyrene Packaging	13.6	100
#3-#7 Other - All	13.6	100
Other Rigid Plastic Products	91.4	670
Grocery & Merchandise Bags	8.2	60
Trash Bags	25.9	190
Commercial & Industrial Film	23.2	170
Other Film	30.0	220
Other Plastic	30.0	220
Glass	***86.0***	***630***
Recyclable Glass Bottles & Jars	80.5	590
Flat Glass	4.1	30
Other Glass	1.4	10
Metal	***137.8***	***1,010***
Aluminum Beverage Containers	15.0	110
Other Aluminum	13.6	100
HVAC Ducting	0.0	0
Ferrous Containers (Tin Cans)	27.3	200

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	54.6	400
Other Non-Ferrous	5.5	40
Other Metal	21.8	160
Organics	***474.9***	***3,480***
Yard Waste - Compostable	73.7	540
Yard Waste - Woody	66.9	490
Food Scraps	207.4	1,520
Bottom Fines & Dirt	20.5	150
Diapers	46.4	340
Other Organic	60.0	440
Inorganics	***136.5***	***1,000***
Televisions	6.8	50
Computer Monitors	4.1	30
Computer Equipment/Peripherals	5.5	40
Electronic Equipment	24.6	180
White Goods - Refrigerated	8.2	60
White Goods - Not refrigerated	19.1	140
Lead-acid Batteries	16.4	120
Other Household Batteries	1.4	10
Tires	28.7	210
Household Bulky Items	21.8	160
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***131.0***	***960***
Carpet	38.2	280
Carpet Padding	5.5	40
Clothing	36.8	270
Other Textiles	50.5	370
Household Hazardous Waste	***27.3***	***200***
Construction and Demolition Debris (C&D)	***644.1***	***4,720***
Total MSW (tons)		***18,960***
Total MSW (pounds/person/day)		***7.09***

2007 population 14,657

County generation based on 2007 data.

Whiteside County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***710.8***	***21,040***
Newsprint	86.5	2,560
High Grade Office Paper	33.4	990
Magazines/Catalogs	69.9	2,070
Uncoated OCC/Kraft	312.8	9,260
Boxboard	40.5	1,200
Mixed Paper - Recyclable	71.3	2,110
Compostable Paper	74.0	2,190
Other Paper	22.3	660
Beverage Containers	***5.4***	***160***
Milk & Juice Cartons/Boxes - Coated	5.4	160
Plastic	***306.1***	***9,060***
#1 PET Bottles/Jars	25.7	760
#1 Other PET Containers	2.0	60
#2 HDPE Bottles/Jars - Clear	10.1	300
#2 HDPE Bottles/Jars - Color	14.5	430
#2 Other HDPE Containers	2.0	60
#6 Exp. Polystyrene Packaging	16.2	480
#3-#7 Other - All	16.2	480
Other Rigid Plastic Products	91.2	2,700
Grocery & Merchandise Bags	10.1	300
Trash Bags	25.7	760
Commercial & Industrial Film	27.0	800
Other Film	30.4	900
Other Plastic	34.8	1,030
Glass	***85.8***	***2,540***
Recyclable Glass Bottles & Jars	80.7	2,390
Flat Glass	3.7	110
Other Glass	1.4	40
Metal	***137.8***	***4,080***
Aluminum Beverage Containers	15.5	460
Other Aluminum	12.8	380
HVAC Ducting	0.7	20
Ferrous Containers (Tin Cans)	27.0	800

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.1	1,630
Other Non-Ferrous	5.1	150
Other Metal	21.6	640
Organics	***498.3***	***14,750***
Yard Waste - Compostable	73.3	2,170
Yard Waste - Woody	67.2	1,990
Food Scraps	230.8	6,830
Bottom Fines & Dirt	19.9	590
Diapers	46.6	1,380
Other Organic	60.5	1,790
Inorganics	***136.8***	***4,050***
Televisions	6.4	190
Computer Monitors	4.7	140
Computer Equipment/Peripherals	5.4	160
Electronic Equipment	24.3	720
White Goods - Refrigerated	8.8	260
White Goods - Not refrigerated	18.9	560
Lead-acid Batteries	15.9	470
Other Household Batteries	1.0	30
Tires	29.1	860
Household Bulky Items	22.3	660
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***143.6***	***4,250***
Carpet	38.5	1,140
Carpet Padding	5.7	170
Clothing	41.9	1,240
Other Textiles	57.4	1,700
Household Hazardous Waste	***28.7***	***850***
Construction and Demolition Debris (C&D)	***648.3***	***19,190***
Total MSW (tons)		***79,970***
Total MSW (pounds/person/day)		***7.40***

2007 population 59,198

County generation based on 2007 data.

Will County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***709.7***	***239,020***
Newsprint	127.4	42,920
High Grade Office Paper	43.4	14,630
Magazines/Catalogs	63.1	21,250
Uncoated OCC/Kraft	267.8	90,210
Boxboard	40.6	13,660
Mixed Paper - Recyclable	71.3	24,000
Compostable Paper	73.9	24,880
Other Paper	22.2	7,470
Beverage Containers	***5.4***	***1,810***
Milk & Juice Cartons/Boxes - Coated	5.4	1,810
Plastic	***368.1***	***123,970***
#1 PET Bottles/Jars	25.6	8,630
#1 Other PET Containers	2.2	730
#2 HDPE Bottles/Jars - Clear	10.0	3,380
#2 HDPE Bottles/Jars - Color	14.6	4,910
#2 Other HDPE Containers	2.0	690
#6 Exp. Polystyrene Packaging	23.7	7,970
#3-#7 Other - All	23.9	8,060
Other Rigid Plastic Products	91.2	30,720
Grocery & Merchandise Bags	16.7	5,640
Trash Bags	25.8	8,700
Commercial & Industrial Film	44.9	15,110
Other Film	30.3	10,190
Other Plastic	57.1	19,240
Glass	***86.2***	***29,040***
Recyclable Glass Bottles & Jars	80.9	27,260
Flat Glass	3.8	1,280
Other Glass	1.5	500
Metal	***138.2***	***46,540***
Aluminum Beverage Containers	15.7	5,280
Other Aluminum	13.0	4,380
HVAC Ducting	0.7	220
Ferrous Containers (Tin Cans)	27.0	9,090

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	18,600
Other Non-Ferrous	5.1	1,730
Other Metal	21.5	7,240
Organics	***553.2***	***186,320***
Yard Waste - Compostable	73.3	24,700
Yard Waste - Woody	67.3	22,670
Food Scraps	285.2	96,060
Bottom Fines & Dirt	20.0	6,750
Diapers	46.8	15,750
Other Organic	60.5	20,390
Inorganics	***136.5***	***45,980***
Televisions	6.5	2,190
Computer Monitors	4.6	1,540
Computer Equipment/Peripherals	5.3	1,770
Electronic Equipment	24.2	8,160
White Goods - Refrigerated	8.6	2,900
White Goods - Not refrigerated	19.0	6,390
Lead-acid Batteries	16.0	5,390
Other Household Batteries	1.1	360
Tires	29.0	9,760
Household Bulky Items	22.2	7,490
Fluorescent Lights/Ballasts	0.1	30
Textiles	***208.9***	***70,350***
Carpet	38.7	13,050
Carpet Padding	5.7	1,910
Clothing	69.1	23,280
Other Textiles	95.3	32,110
Household Hazardous Waste	***28.8***	***9,690***
Construction and Demolition Debris (C&D)	***679.9***	***228,980***
Total MSW (tons)		***981,700***
Total MSW (pounds/person/day)		***7.99***

2007 population 673,586

County generation based on 2007 data.

Williamson County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***771.9***	***24,910***
Newsprint	72.8	2,350
High Grade Office Paper	41.5	1,340
Magazines/Catalogs	66.6	2,150
Uncoated OCC/Kraft	383.0	12,360
Boxboard	40.6	1,310
Mixed Paper - Recyclable	71.3	2,300
Compostable Paper	73.8	2,380
Other Paper	22.3	720
Beverage Containers	***5.3***	***170***
Milk & Juice Cartons/Boxes - Coated	5.3	170
Plastic	***295.9***	***9,550***
#1 PET Bottles/Jars	25.7	830
#1 Other PET Containers	2.2	70
#2 HDPE Bottles/Jars - Clear	9.9	320
#2 HDPE Bottles/Jars - Color	14.6	470
#2 Other HDPE Containers	2.2	70
#6 Exp. Polystyrene Packaging	14.9	480
#3-#7 Other - All	15.5	500
Other Rigid Plastic Products	91.1	2,940
Grocery & Merchandise Bags	9.0	290
Trash Bags	25.7	830
Commercial & Industrial Film	24.2	780
Other Film	30.4	980
Other Plastic	30.7	990
Glass	***86.1***	***2,780***
Recyclable Glass Bottles & Jars	80.9	2,610
Flat Glass	3.7	120
Other Glass	1.5	50
Metal	***138.2***	***4,460***
Aluminum Beverage Containers	15.8	510
Other Aluminum	13.0	420
HVAC Ducting	0.6	20
Ferrous Containers (Tin Cans)	27.0	870

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,780
Other Non-Ferrous	5.3	170
Other Metal	21.4	690
Organics	***540.7***	***17,450***
Yard Waste - Compostable	73.4	2,370
Yard Waste - Woody	67.2	2,170
Food Scraps	272.7	8,800
Bottom Fines & Dirt	20.1	650
Diapers	46.8	1,510
Other Organic	60.4	1,950
Inorganics	***136.7***	***4,410***
Televisions	6.5	210
Computer Monitors	4.6	150
Computer Equipment/Peripherals	5.3	170
Electronic Equipment	24.2	780
White Goods - Refrigerated	8.7	280
White Goods - Not refrigerated	18.9	610
Lead-acid Batteries	16.1	520
Other Household Batteries	0.9	30
Tires	29.1	940
Household Bulky Items	22.3	720
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***133.6***	***4,310***
Carpet	38.7	1,250
Carpet Padding	5.6	180
Clothing	37.5	1,210
Other Textiles	51.8	1,670
Household Hazardous Waste	***28.5***	***920***
Construction and Demolition Debris (C&D)	***644.6***	***20,800***
Total MSW (tons)		***89,760***
Total MSW (pounds/person/day)		***7.62***

2007 population 64,541

County generation based on 2007 data.

Winnebago County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***803.7***	***120,060***
Newsprint	88.3	13,190
High Grade Office Paper	43.6	6,510
Magazines/Catalogs	67.1	10,020
Uncoated OCC/Kraft	396.9	59,290
Boxboard	40.6	6,060
Mixed Paper - Recyclable	71.2	10,640
Compostable Paper	73.9	11,040
Other Paper	22.2	3,310
Beverage Containers	***5.4***	***800***
Milk & Juice Cartons/Boxes - Coated	5.4	800
Plastic	***314.6***	***47,000***
#1 PET Bottles/Jars	25.6	3,830
#1 Other PET Containers	2.1	320
#2 HDPE Bottles/Jars - Clear	10.0	1,500
#2 HDPE Bottles/Jars - Color	14.6	2,180
#2 Other HDPE Containers	2.1	310
#6 Exp. Polystyrene Packaging	17.2	2,570
#3-#7 Other - All	17.3	2,590
Other Rigid Plastic Products	91.2	13,620
Grocery & Merchandise Bags	11.0	1,650
Trash Bags	25.8	3,860
Commercial & Industrial Film	29.6	4,420
Other Film	30.3	4,520
Other Plastic	37.7	5,630
Glass	***86.2***	***12,880***
Recyclable Glass Bottles & Jars	80.9	12,090
Flat Glass	3.8	570
Other Glass	1.5	220
Metal	***138.2***	***20,640***
Aluminum Beverage Containers	15.7	2,340
Other Aluminum	13.0	1,940
HVAC Ducting	0.7	100
Ferrous Containers (Tin Cans)	27.0	4,030

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	8,250
Other Non-Ferrous	5.2	770
Other Metal	21.5	3,210
Organics	***526.5***	***78,650***
Yard Waste - Compostable	73.3	10,950
Yard Waste - Woody	67.3	10,050
Food Scraps	258.7	38,640
Bottom Fines & Dirt	20.0	2,990
Diapers	46.7	6,980
Other Organic	60.5	9,040
Inorganics	***136.4***	***20,380***
Televisions	6.5	970
Computer Monitors	4.6	680
Computer Equipment/Peripherals	5.2	780
Electronic Equipment	24.2	3,620
White Goods - Refrigerated	8.6	1,290
White Goods - Not refrigerated	18.9	2,830
Lead-acid Batteries	16.0	2,390
Other Household Batteries	1.1	160
Tires	29.0	4,330
Household Bulky Items	22.2	3,320
Fluorescent Lights/Ballasts	0.1	10
Textiles	***153.0***	***22,850***
Carpet	38.8	5,790
Carpet Padding	5.7	850
Clothing	45.6	6,810
Other Textiles	62.9	9,400
Household Hazardous Waste	***28.7***	***4,290***
Construction and Demolition Debris (C&D)	***653.2***	***97,580***
Total MSW (tons)		***425,130***
Total MSW (pounds/person/day)		***7.80***

2007 population 298,759

County generation based on 2007 data.

Woodford County Municipal Solid Waste (MSW) Generation

	County Generation (lb/c/yr)	Total Generation (tons)
Paper	***619.7***	***11,780***
Newsprint	78.4	1,490
High Grade Office Paper	43.7	830
Magazines/Catalogs	65.8	1,250
Uncoated OCC/Kraft	224.6	4,270
Boxboard	40.5	770
Mixed Paper - Recyclable	71.0	1,350
Compostable Paper	73.7	1,400
Other Paper	22.1	420
Beverage Containers	***5.3***	***100***
Milk & Juice Cartons/Boxes - Coated	5.3	100
Plastic	***344.6***	***6,550***
#1 PET Bottles/Jars	25.8	490
#1 Other PET Containers	2.1	40
#2 HDPE Bottles/Jars - Clear	10.0	190
#2 HDPE Bottles/Jars - Color	14.7	280
#2 Other HDPE Containers	2.1	40
#6 Exp. Polystyrene Packaging	21.0	400
#3-#7 Other - All	21.0	400
Other Rigid Plastic Products	91.0	1,730
Grocery & Merchandise Bags	14.2	270
Trash Bags	25.8	490
Commercial & Industrial Film	37.9	720
Other Film	30.5	580
Other Plastic	48.4	920
Glass	***85.8***	***1,630***
Recyclable Glass Bottles & Jars	80.5	1,530
Flat Glass	3.7	70
Other Glass	1.6	30
Metal	***138.4***	***2,630***
Aluminum Beverage Containers	15.8	300
Other Aluminum	13.2	250
HVAC Ducting	0.5	10
Ferrous Containers (Tin Cans)	26.8	510

	County Generation (lb/c/yr)	Total Generation (tons)
Metal		
Other Ferrous	55.2	1,050
Other Non-Ferrous	5.3	100
Other Metal	21.6	410
Organics	***471.9***	***8,970***
Yard Waste - Compostable	73.1	1,390
Yard Waste - Woody	67.3	1,280
Food Scraps	204.1	3,880
Bottom Fines & Dirt	20.0	380
Diapers	46.8	890
Other Organic	60.5	1,150
Inorganics	***135.7***	***2,580***
Televisions	6.3	120
Computer Monitors	4.7	90
Computer Equipment/Peripherals	5.3	100
Electronic Equipment	24.2	460
White Goods - Refrigerated	8.4	160
White Goods - Not refrigerated	18.9	360
Lead-acid Batteries	15.8	300
Other Household Batteries	1.1	20
Tires	28.9	550
Household Bulky Items	22.1	420
Fluorescent Lights/Ballasts	<0.1	0
Textiles	***184.1***	***3,500***
Carpet	38.9	740
Carpet Padding	5.8	110
Clothing	58.4	1,110
Other Textiles	81.0	1,540
Household Hazardous Waste	***28.9***	***550***
Construction and Demolition Debris (C&D)	***669.2***	***12,720***
Total MSW (tons)		***51,010***
Total MSW (pounds/person/day)		***7.35***

2007 population 38,017

County generation based on 2007 data.

Appendix D
Photographic Log

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #1 Date of Photograph: 10/02/08

Photograph Description: Sample AICI2 at Landcomp Landfill.

Photograph #2 Date of Photograph: 10/02/08

Photograph Description: Sample ARES1 at Landcomp Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #3 Date of Photograph: 10/02/08

Photograph Description: Sample ARES5 at Landcomp Landfill.

Photograph #4 Date of Photograph: 10/08/08

Photograph Description: Visual Characterization of C&D at Land and lakes Co. Matteson Transfer Station.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #5 Date of Photograph: 10/08/08

Photograph Description: Sample CICI1 at Land and Lakes Co. Matteson Transfer Station.

Photograph #6 Date of Photograph: 10/08/08

Photograph Description: Land and Lakes Co. Matteson Transfer Station C&D.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #7 Date of Photograph: 10/08/08

Photograph Description: Sample CC&D2 at Land and Lakes Co. Matteson Transfer Station

Photograph #8 Date of Photograph: 10/09/08

Photograph Description: Sample DICI1 at Prairie View Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #9 Date of Photograph: 10/9/08

Photograph Description: Sample DC&D5 at Prairie View Landfill.

Photograph #10 Date of Photograph: 10/14/08

Photograph Description: C&D load at Livingston Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #11 Date of Photograph: 10/14/08

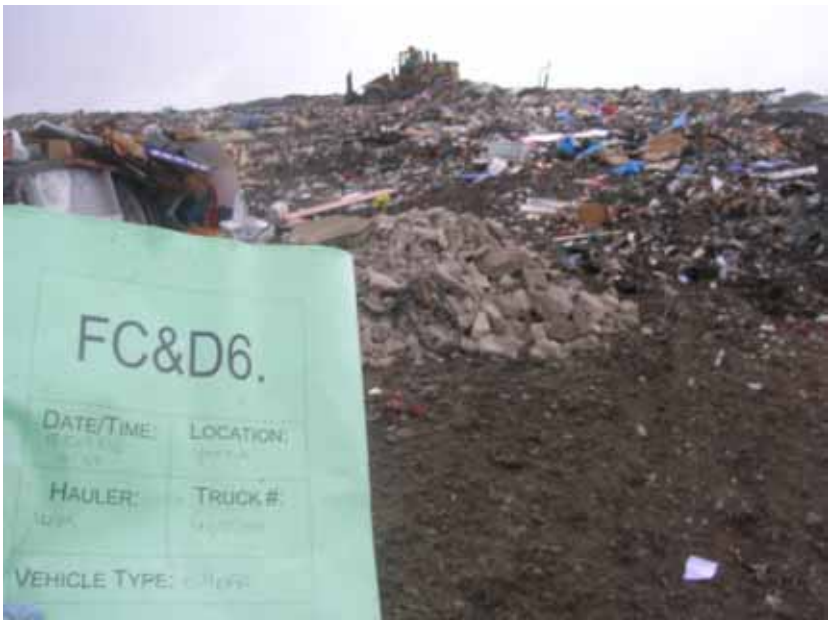
Photograph Description: Sample EICI4 at Livingston Landfill.

Photograph #12 Date of Photograph: 10/15/08

Photograph Description: Sample FICI2 at Peoria City/County Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #13 Date of Photograph: 10/15/08



Photograph Description: Sample FC&D6 at Peoria City/County Landfill.

Photograph #14 Date of Photograph: 10/16/08

Photograph Description: Sample GRES3 at Knox County 3 Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #15 Date of Photograph: 10/20/08

Photograph Description: Physical Characterization Sampling at Sangamon Valley Landfill.

Photograph #16 Date of Photograph: 10/20/08

Photograph Description: ICI load at Sangamon Valley Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #17 Date of Photograph: 10/20/08

Photograph Description: Physical Characterization Sampling at Sangamon Valley Landfill.

Photograph #18 Date of Photograph: 10/20/08

Photograph Description: Sample HICI1 at Sangamon Valley landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #19 Date of Photograph: 10/20/08

Photograph Description: Visual Characterization at Sangamon Valley Landfill.

Photograph #20 Date of Photograph: 10/20/08

Photograph Description: Field sampling crew at Sangamon Valley Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #21 Date of Photograph: 10/20/08

Photograph Description: Field sampling crew at Sangamon Valley Landfill.

Photograph #22 Date of Photograph: 10/20/08

Photograph Description: Field sampling crew at Sangamon Valley Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #23 Date of Photograph: 10/21/08

Photograph Description: Sample IICI1 at ERC Coles County Landfill.

Photograph #24 Date of Photograph: 10/21/08

Photograph Description: Sample IC&D1 at ERC Coles County Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #25 Date of Photograph: 10/21/08

Photograph Description: Sample IC&D3 at ERC Coles County Landfill.

Photograph #26 Date of Photograph: 10/21/08

Photograph Description: Sample IC&D7 at ERC Coles County Landfill.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #27 Date of Photograph: 10/22/08

Photograph Description: Veolia ES Valley View Landfill Inc.

Photograph #28 Date of Photograph: 10/22/08

Photograph Description: Sample JC&D2 at Veolia ES Valley View Landfill Inc.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #29 Date of Photograph: 10/22/08

Photograph Description: Sample JRES5 at Veolia ES Valley View Landfill Inc.

Photograph #30 Date of Photograph: 10/23/08

Photograph Description: Sample KC&D1 at Urbana Transfer Station.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #31 Date of Photograph: 10/23/08

Photograph Description: Sample KRES4 at Urbana Transfer Station.

Photograph #32 Date of Photograph: 10/27/08

Photograph Description: Sample LICI3 at Roxana

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #33 Date of Photograph: 10/27/08

Photograph Description: Sample LC&D6 at Roxana

Photograph #34 Date of Photograph: 10/27/08

Photograph Description: Sample LC&D7 at Roxana

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #35 Date of Photograph: 10/28/08

Photograph Description: Sample MC&D1 at Southern IL Regional

Photograph #36 Date of Photograph: 10/28/08

Photograph Description: Sample MC&D4 at Southern IL Regional.

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #37 Date of Photograph: 10/29/08

Photograph Description: Sample NC&D1 at Veolia ES Wayne County Landfill

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Photograph #38 Date of Photograph: 10/29/08

Photograph Description: Sample NRES3 at Veolia ES Wayne County Landfill

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #39 Date of Photograph: 10/30/08

Photograph Description: Sample OC&D1 at Bond County

Photograph #40 Date of Photograph: 10/30/08

Photograph Description: Sample OC&D2 at Bond County

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #41 Date of Photograph: 11/03/08

Photograph Description: Sample PICI2 at Veolia ES Zion Landfill

Photograph #42 Date of Photograph: 11/03/08

Photograph Description: Veolia ES Zion Landfill

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #43 Date of Photograph: 11/04/08

Photograph Description: Sample PICI12 at Veolia ES Zion Landfill

Photograph #44 Date of Photograph: 11/04/08

Photograph Description: Veolia ES Zion Landfill C&D load

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #45 Date of Photograph: 11/04/08

Photograph Description: Sample PC&D14 at Veolia ES Zion Landfill

Photograph #46 Date of Photograph: 11/04/08

Photograph Description: Veolia ES Zion Landfill C&D load with Roofing materials

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #47 Date of Photograph: 11/05/08

Photograph Description: Sample QICI1 at Countryside

Photograph #48 Date of Photograph: 11/05/08

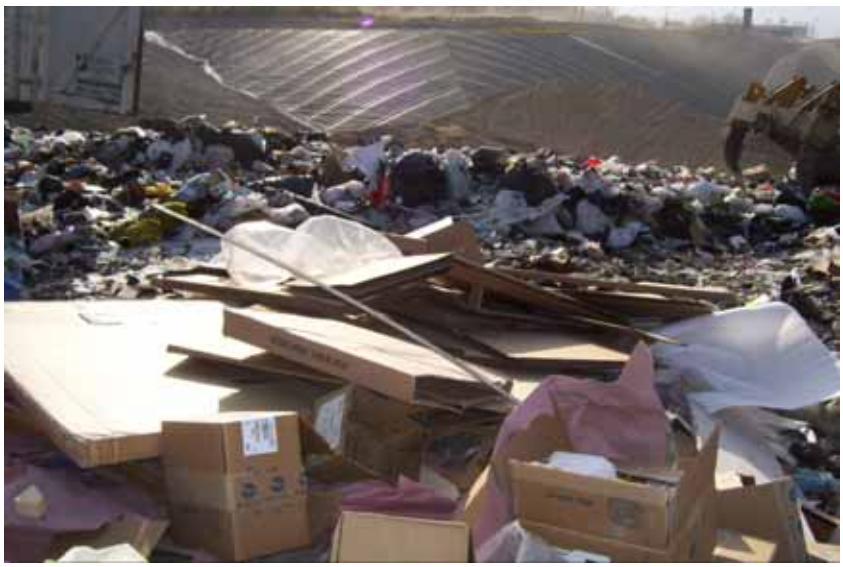
Photograph Description: Sample QC&D2 at Countryside

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #49 Date of Photograph: 11/05/08

Photograph Description: C&D Visual Characterization at Countryside

Photograph #50 Date of Photograph: 11/05/08



Photograph Description: Visual Characterization at Countryside

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #51 Date of Photograph: 11/06/08

Photograph Description: Sample RICI1 at Veolia ES Orchard (Orchard Hills)

Photograph #52 Date of Photograph: 11/06/08

Photograph Description: C&D load at Veolia ES Orchard (Orchard Hills)

FIELD PHOTOGRAPH LOG
ILLINOIS COMMODITY/WASTE GENERATION AND CHARACTERIZATION STUDY

Photograph #53 Date of Photograph: 11/14/08

Photograph Description: C&D load with Concrete at Pike County Landfill.

Photograph #54 Date of Photograph: 11/03/08 – 11/04/08

Photograph Description: C&D load at Pike County Landfill.