SEDGWICK COUNTY

SOLID WASTE MANAGEMENT PLAN UPDATE

Submitted to:

The Kansas Department of Health and Environment

By:

The Sedgwick County Board of County Commissioners and

The Sedgwick County Solid Waste Management Committee

June 2016

Sedgwick County...
working for you

This page intentionally left blank.

Contents

INTRODUCTION 1

DEMOGRAPHICS 1

SOLID WASTE MANAGEMENT COMMITTEE 2

MUNICIPAL SOLID WASTE (MSW) 3

MSW Collection 3

Solid Waste Trends 4

SW Disposal 5

SOLID WASTE REDUCTION 6

Amount recycled in Sedgwick County 6

Drop-off recycling 6

Curbside recycling 6

Composting in Sedgwick County 6

Management of grass clippings 7

MANAGEMENT PROGRAMS FOR SPECIFIC WASTES 7

Household Hazardous Waste (HHW) 7

Conditionally Exempt Small Quantity Generators (CESQG) 7

Construction & Demolition (C&D) Materials 8

Bulky Waste 9

Christmas Trees 9

Special Cleanup Programs 9

Storm Debris 9

KDHE SOLID WASTE PERMITS 10

KDHE GRANT APPLICATIONS 11

PUBLIC EDUCATION 11

SOLID WASTE FEE 11

This page intentionally left blank.

INTRODUCTION

K.S.A. 65-3405 requires the development of county solid waste management plans. Sedgwick County's annual review is due June 2016. This report reflects solid waste data collected from facilities for calendar year 2015 and any other activities and policy decisions made since the last update.

DEMOGRAPHICS

Sedgwick County consists of 20 incorporated cities and 26 unincorporated townships. Over 75% of the County's population lives in Wichita. U.S. Census Bureau data shows that Sedgwick County's estimated population in 2014 (the most recent data available) was 508,803. Population is expected to grow 0.4% per year through year 2030, expanding to approximately 531,888 citizens. Table 1 shows census data for Sedgwick County and the cities within Sedgwick County.

Table 1 - Population for Cities in Sedgwick County

City	2013	2014	% change
Andale	966	981	1.5%
Bel Aire	6,916	7,284	5.1%
Bentley	526	524	-0.4%
Cheney	2,133	2,153	0.9%
Clearwater	2,530	2,531	0.0%
Colwich	1,345	1,362	1.3%
Derby	22,047	23,234	0.8%
Eastborough	771	769	-0.3%
Garden Plain	866	879	1.5%
Goddard	4,582	4,692	2.3%
Haysville	11,004	11,112	1.0%
Kechi	1,961	1,982	1.1%
Maize	3,823	4,073	6.1%
Mt. Hope	816	814	-0.2%
Mulvane	6,287	6,289	0.0%
Park City	7,499	7,556	0.8%
Sedgwick	1,696	1701	0.3%
Valley Center	7,011	7,057	0.7%
Viola	131	131	0.0%
Wichita	386,552	388,413	0.5%
Sedgwick County Total	*505,415*	*508,803*	*0.7%*

SOLID WASTE MANAGEMENT COMMITTEE

Sedgwick County's Solid Waste Management Committee consists of 16 members, including 10 members that are required by state statute, one appointment by each of the five County Commissioners, and one member to be the non-voting chair of the committee. Table 2 identifies the members of the Sedgwick County Solid Waste Management Committee and their associations. The committee meets as business items dictate.

Table 2 - Sedgwick County Solid Waste Management Committee

Representing	***Member Name***
Cities of 1st Class	Joe Pajor
Cities of 2nd Class	Zach McHatton
Cities of 3rd Class	Randy Parker
Unincorporated Areas	Clem Dickerson
General Public	Bill Ellison
Citizen's Organizations	
Private Industry	Jeremy Maples
Private Solid Waste Industry	Eric Bergin
Private Recycling/Scrap	Roger Lyon
Sedgwick County Recycling	
Commission District #1	Nancy Larson
Commission District #2	Tony Martinez
Commission District #3	John Stevens
Commission District #4	Kelly Parks
Commission District #5	Benjamin Sauceda
Chairperson (non-voting)	Nicki Soice

MUNICIPAL SOLID WASTE (MSW)

MSW Collection

The solid waste management system in Sedgwick County is private sector driven. Eighteen businesses were licensed to haul non-hazardous waste in 2016. Table 3 lists these businesses.

Table 3 – Businesses licensed to haul non-hazardous waste

Name	***Address***	
Allen and Sons Waste Services	P.O. Box 771083	Wichita, KS 67277
Ballinger Trash Service	405 N Baehr	Wichita, KS 67212
Best Value Services, LLC	200 W Douglas #600	Wichita, KS 67278
1-800-JUNKPRO	608 S Ramsey Dr	Valley Center, KS 67147
Chadwick's Trash Service	2858 N Vassar St	Wichita, KS 67208
Eagle Trash Service	P.O. Box 129	Sedgwick, KS 67135
Harp Trash Service	19515 W 53rd St N	Colwich, KS 67030
Junk Boys	P.O. Box 47912	Wichita, KS 67201
Los Llanos Trash Service	1106 N Waco	Wichita, KS 67203
M&M Trash Service	2756 S West St	Wichita, KS 67217
John H. McCray Sanitation, Inc	5550 E 38th St N	Wichita, KS 67220
M.T. McCray Sanitation	P.O. Box 8460	Wichita, KS 67208
Moran Trash Service	2847 N Arkansas	Wichita, KS 67204
Nisly Brothers, Inc	5212 S Herren Rd	Hutchinson, KS 67501
Waste Connections Inc. of Kansas	2745 N Ohio	Wichita, KS 67219
Waste Link, Inc	3417 N Emporia	Wichita, KS 67219
Waste Management of Wichita	4330 W 31st St S	Wichita, KS 67205
White Glove Junk Removal	100 S Vine	Wichita, KS 67213

Solid Waste Trends

County leaders support and encourage free market efforts. Sedgwick County expects cities in the County to adopt a free market approach to solid waste disposal in lieu of having a contract or franchise for solid waste services. This encourages the entrepreneurial spirit and empowers citizens to make their own decisions in regards to solid waste disposal.

Table 4 shows the solid waste collection details for all cities in Sedgwick County.

Table 4 – City Solid Waste Collection/Curbside Recycling Arrangements, June 2016

City	Solid Waste Collection Details	Curbside Recycling (CSR)
Andale	Contract with Waste Connections	MSVP RecycleBank
Bel Aire	Preferred vendor is Waste Connections, volume based rates	MSVP RecycleBank
Bentley	Contract with Waste Connections	MSVP RecycleBank
Cheney	Contract with Waste Connections	MSVP RecycleBank
Clearwater	Contract with Waste Connections	MSVP RecycleBank
Colwich	Free market	Free market
Derby	Contract with Waste Connections, volume based rates	MSVP RecycleBank
Eastborough	Contract with Waste Connections, volume based rates	RecycleBank
Garden Plain	Free market	Free market
Goddard	Free market	Free market
Haysville	Free market	Free market
Kechi	Preferred vendor is Waste Connections	MSVP RecycleBank
Maize	Free market	Free market
Mount Hope	Contract with Waste Connections	MSVP RecycleBank
Mulvane	Free market	Free market
Park City	Preferred vendor is Waste Connections	MSVP RecycleBank
Sedgwick	Contract with Waste Connections, volume based rates	MSVP RecycleBank
Valley Center	Contract with Waste Management, volume based rates	MSVP single stream CSR
Viola	Contract with Waste Connections	MSVP RecycleBank
Wichita	Contract with all haulers, volume base rates	Hauler must offer single stream CSR
MSVP – mandatory subscription, voluntary participation		

SW Disposal

Waste Connections Transfer Station reported that 302,177 tons of solid waste was received at their facility during 2015. Waste Disposal, LLC Transfer Station reported that 90,438 tons of solid waste was received at their facility during 2015. Totally, 392,615 tons of solid waste was received at these two transfer stations during 2015, which is a 1.2% increase from the previous year.

The MSW from both transfer stations was transferred to Plumb Thicket Landfill in Harper County for final disposal. The Plumb Thicket Landfill has a site life of 60 years at current volumes. Figure 1 shows Sedgwick County MSW disposal trends for the past five years.

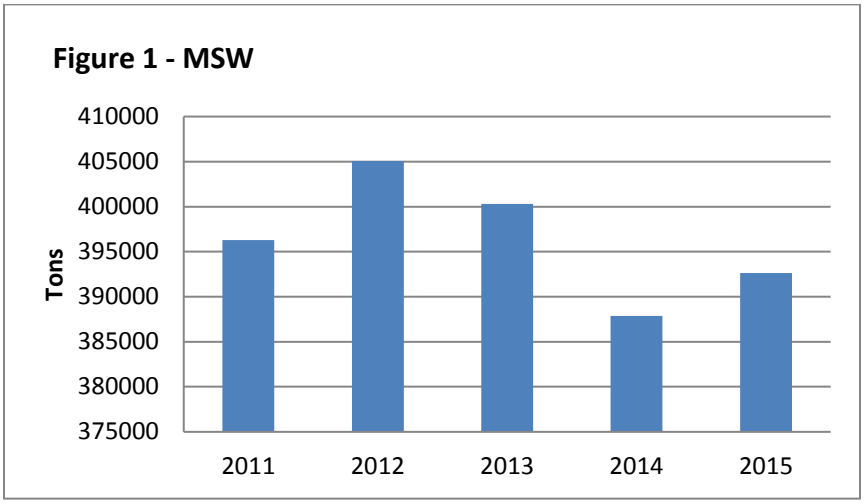
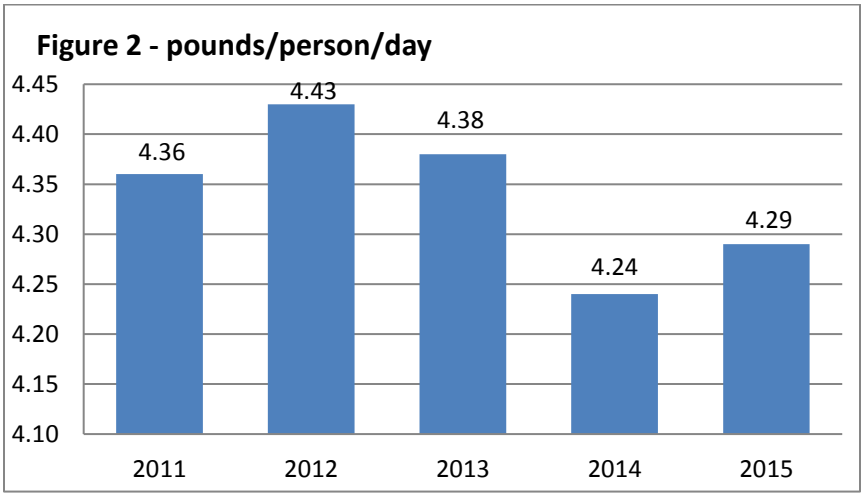


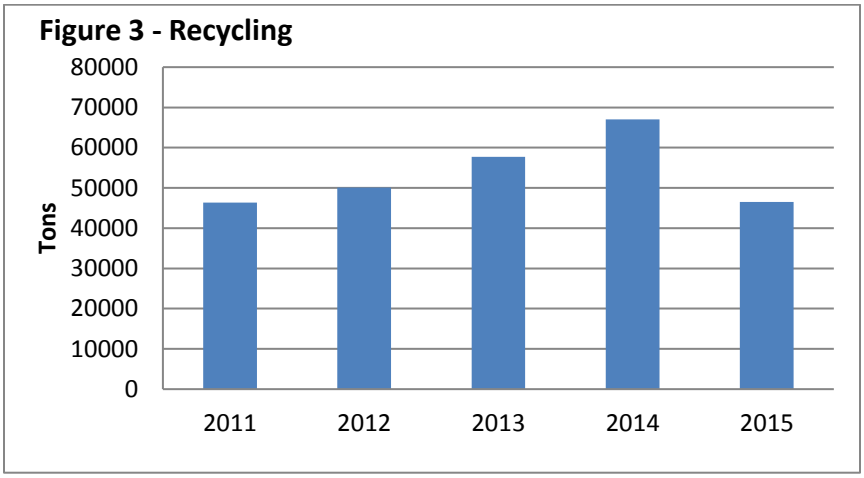
Figure 2 shows the amount of MSW generated per person per day in Sedgwick County for the past 5 years.



SOLID WASTE REDUCTION

Amount recycled in Sedgwick County

Tonnage reports for the materials shipped for recycling in 2015 were submitted by four material recovery facilities in the county. Waste Connections Recycling Facility shipped 19,299 tons; International Paper shipped 14,531 tons; Pratt Industries shipped 12,167 tons; and ProKansas-Miller Recycling Center shipped 504 tons. The total reported by the facilities is 46,501 tons. Sedgwick County's combined commercial and residential recycling trends for the past 5 years are shown in Figure 3.



Drop-off recycling

Waste Connections continues to provide drop-off recycling bins at area grocery stores around Sedgwick County. These single stream bins collected newspapers, tin and aluminum cans, magazines and catalogs, office papers, corrugated cardboard, chipboard, plastic bottles and containers, and food and beverage glass containers. In addition, International Paper has drop-off boxes for fiber products in their parking lot. These drop-off boxes are for use by the general public. ProKansas-Miller Recycling Center accepts most types of plastic containers, plastic bags, mixed paper, metals, books, and glass.

Curbside recycling

Obtaining data on the number of residential customers using curbside recycling service is difficult due to the number of haulers in our area. However, the largest hauler reported that 46% of their customers in Sedgwick County have the service.

Composting in Sedgwick County

Brooks Construction and Demolition Landfill is open to the public and operates a compost site at their location at 4100 North West Street in Wichita, Kansas. They reported receiving 284 tons for composting. Evergreen Recycle at 302 West 53rd Street North is open to the public. They operate a compost site and a pallet refurbishing business. Evergreen reported receiving 18,005 tons for composting and/or pallet construction. The cities of Clearwater, Colwich, Derby, Haysville, Mount

Hope, Sedgwick, and Valley Center maintain small brush piles and/or compost sites for their residents' use.

Management of grass clippings

Residents are encouraged to mulch mow or compost their grass clippings. Grass clipping are accepted at numerous compost sites located throughout the county. These sites are listed under the compost section of this report.

MANAGEMENT PROGRAMS FOR SPECIFIC WASTES

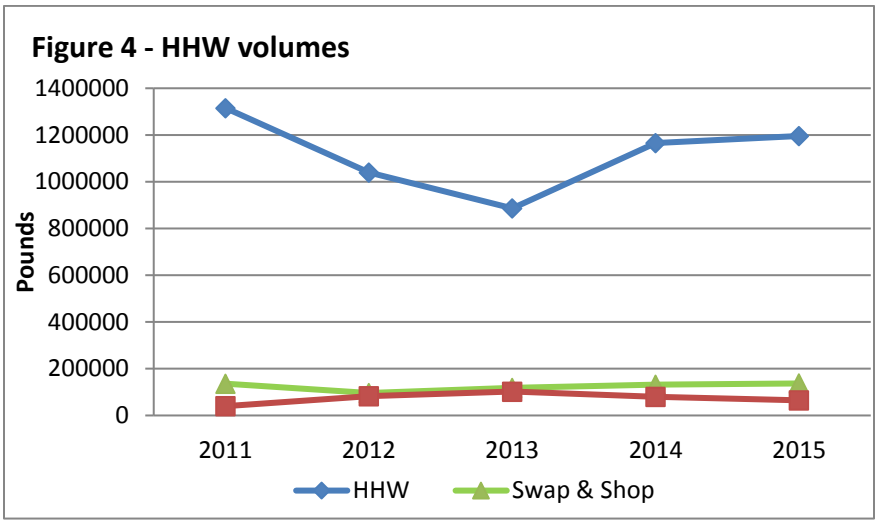
Household Hazardous Waste (HHW)

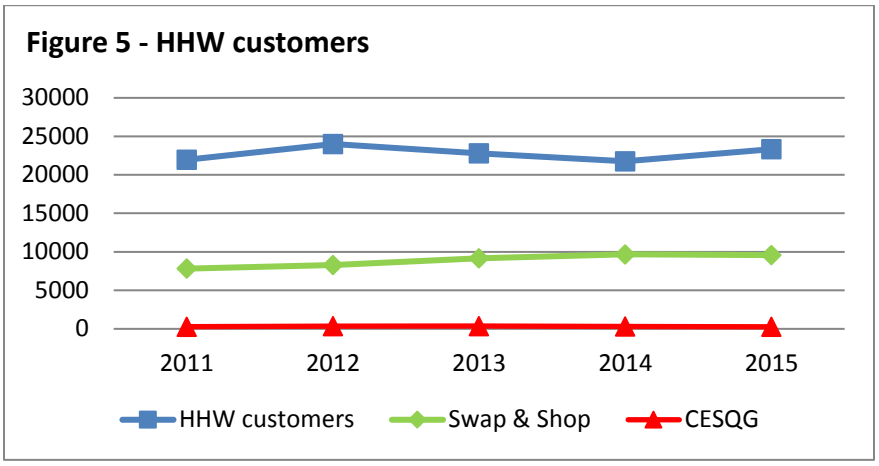
The Sedgwick County Household Hazardous Waste Facility is located at 801 Stillwell in Wichita, Kansas. In 2015, 23,338 participants brought 1,196,128 pounds of material (excluding solid waste) to the HHW Facility. Six sites in Sedgwick County collected old or unused pharmaceuticals from citizens by participating in the DEA National Prescription Drug Take-Back Day.

Conditionally Exempt Small Quantity Generators (CESQG)

In 2015, 283 conditionally exempt small quantity generators brought in 64,836 pounds of waste to the Sedgwick County Household Hazardous Waste Facility.

Of the total brought to the HHW facility, 136,918 pounds were reclaimed by 9,583 Swap and Shop customers. Sedgwick County provided five remote collection events in 2015. HHW volume and customer trends are shown in Figures 4 and 5.



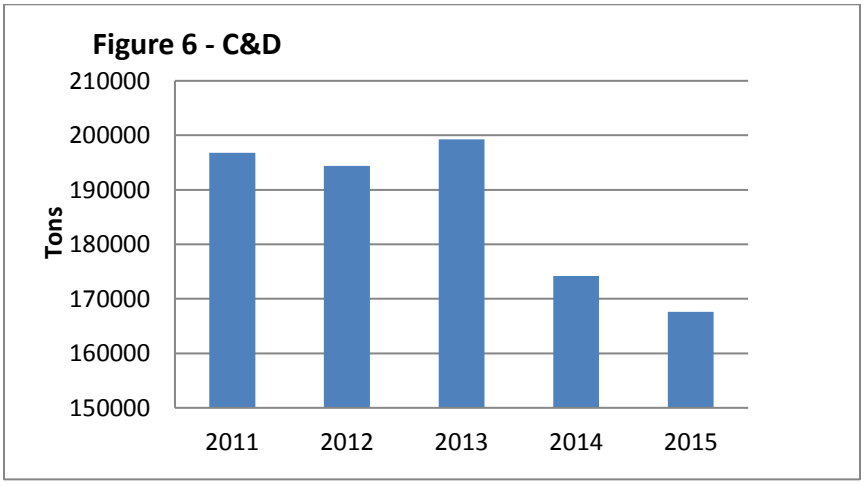


Construction & Demolition (C&D) Materials

Commercially generated construction & demolition materials are banned from the transfer stations in Sedgwick County. There are two Construction & Demolition Landfills in Sedgwick County that accept this waste. Both facilities are open to the public.

During 2015, Brooks C & D Landfill received and buried 86,414 tons of waste and CDR - North received and buried 81,180 tons of waste. The total for all C & D waste buried in 2015 is 167,594 tons. This is a 3.8% decrease from the amount reported the previous year.

Figure 6 shows the amount of construction and demolition material disposed of in Sedgwick County in 2015.



Bulky Waste

From September 15, 2015 to December 2, 2015, Sedgwick County promoted a bulky waste coupon program. County residents could request a coupon that would pay the disposal fees charged at local transfer stations for loads up to 1,000 pounds. Of the 7,132 coupons that were issued, 2,201 coupons were redeemed.

Christmas Trees

From December 22, 2015 through January 24, 2016, Sedgwick County provided 22 sites throughout the County for residents to drop off Christmas trees. Residents were also invited to take free mulch home with them. We disposed of 3,974 trees through this program. In addition, some small cities in Sedgwick County also operate their own Christmas tree disposal program.

Special Cleanup Programs

Since 2002, Sedgwick County has paid for the disposal of 730 tons of illegally dumped waste collected by townships. In 2016, a new program will be implemented. Residents of selected townships will have the opportunity to dispose of bulky waste at a township clean-up event. Roll-off containers for the trash, bulky materials, passenger car tires and appliances with refrigerant will be provided by Sedgwick County. The County will continue to pay the tipping fees at both transfer stations for illegal dumping as well.

The County participated in the "Neighborhood Property Cleanup" in the Oaklawn and Sunview Improvement Districts. This occurred from April 17 through April 23, 2016. The County arranged for dumpsters, packer trucks and disposal for this event. A total of 267,680 pounds of material were collected.

Storm Debris

In 2015, Sedgwick County acquired a tub grinder and air curtain burner. When storms occur in Sedgwick County that result in significant tree damage and debris, citizens need some convenient way to get rid of all the tree limbs. Recognizing this problem, Sedgwick County Purchased an Industrial Tub Grinder and Air Curtain Burner to help communities across Sedgwick County with storm-debris damage. Not only does this provide an efficient way to deal with storm debris, but the tub grinder also provides the mulch product for citizens to use. The air curtain burner will reduce the particulate matter from the burning of clean wood waste. Twenty acres of land were set aside in northeast Sedgwick County for the collection of storm related material. However, this mobile equipment can be taken to other appropriate areas near the storm-generated material. The tub grinder and air curtain burner are shown in Figures 7 and 8.

Figure 7 - Tub Grinder

Figure 8 - Air Curtain Burner

KDHE SOLID WASTE PERMITS

KDHE requires that any solid waste permit must first be approved by the local government as to its consistency with the local Solid Waste Management Plan. There were no solid waste permit applications in Sedgwick County from June 2015 to June 2016.

KDHE GRANT APPLICATIONS

KDHE requires that all grant applications come before the Solid Waste Management Committee. There were no grant applications from June 2015 to June 2016.

PUBLIC EDUCATION

Sedgwick County continues to make numerous efforts to inform and educate citizens and businesses about issues related to solid waste in Sedgwick County. Staff interacted with the public at trade shows and numerous presentations. Staff made ongoing updates to an online recycling guide. The guide can be found at: http://Sedgwickcounty.org/environment/recyclingguide.asp. Numerous promotional items and educational pieces we developed and distributed to the public.

SOLID WASTE FEE

Sedgwick County utilizes a Solid Waste Fee to help fund certain components of the Solid Waste Plan. On June 10, 2015, the Board of County Commissioners voted to keep the Solid Waste Fee. For 2016, the annual residential base rate was lowered from $6.48 to $4.88. The fees for non-residential and commercial properties have five tiered rates. Tier 1 is $3.44 per parcel. Tier 2 is $4.58 per parcel. Tier 3 is $5.73 per parcel. Tier 4 is $6.87 per parcel. And Tier 5, which is the large malls, is $4.58 times the number of tenant spaces located on a single parcel.