

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 2019



*Sedgwick County...
working for you*

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INTRODUCTION

K.S.A. 65-3405 requires the development of county solid waste management plans. Sedgwick County's annual review is due June 2019. This report reflects solid waste data collected from facilities for calendar year 2018 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 2017 (the most recent data available) was 513,687. Population is expected to grow 0.4% per year through year 2030, expanding to approximately 531,888 citizens. Table 1 shows census data (estimated) for Sedgwick County and the cities within Sedgwick County.

Table 1 - Population for Cities in Sedgwick County			
City	2016	2017	% change
Andale	993	997	0.4%
Bel Aire	7,661	7,914	3.3%
Bentley	517	525	1.6%
Cheney	2,165	2,170	0.2%
Clearwater	2,519	2,524	0.2%
Colwich	1,398	1,406	0.6%
Derby	23,633	23,673	0.2%
Eastborough	761	754	-0.9%
Garden Plain	894	898	0.5%
Goddard	4,710	4,746	0.8%
Haysville	11,245	11,278	0.3%
Kechi	1,995	2,007	0.6%
Maize	4,438	4,557	2.7%
Mt. Hope	807	805	-0.3%
Mulvane	6,316	6,359	0.7%
Park City	7,632	7,729	1.3%
Sedgwick	1,695	1,665	-1.8%
Valley Center	7,343	7,300	-0.6%
Viola	130	129	-0.8%
Wichita	389,902	390,591	0.2%
Sedgwick County Total	511,995	513,687	0.3%

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. There are currently 4 empty positions. 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	Kay Drennen
Citizen's Organizations	Susanne Boese
Private Industry	Bobby McCrary
Private Solid Waste Industry	Eric Bergin
Private Recycling/Scrap	
Sedgwick County Recycling	Cindy Le
Commission District #1	Nancy Larson
Commission District #2	Tony Martinez
Commission District #3	Jeff Fawcett
Commission District #4	
Commission District #5	Jennifer Jantz-McCauley
Chairperson (non-voting)	Nicki Soice

MUNICIPAL SOLID WASTE (MSW)

MSW Collection

The solid waste management system in Sedgwick County is private sector driven. Seventeen businesses were licensed to haul non-hazardous waste in 2018. Table 3 lists these businesses.

Table 3 – Businesses licensed to haul non-hazardous waste		
<i>Name</i>	<i>Address</i>	
Air Capital Waste, LLC	3515 N Topeka	Wichita, KS 67219
Allen and Sons Waste Services	3645 W. Esthner	Wichita, KS 67213
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 Roll-Off Service	19515 W 53 rd 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
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 31 st St S	Wichita, KS 67205
WichitaJunk.Com	1408 S. Fawnwood	Wichita, KS 67201

Solid Waste Trends

Sedgwick County encourages all cities in the County to provide solid waste options which promote waste minimization and diversion through volume-based trash rates and curbside recycling.

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

Table 4 – City Solid Waste Collection/Curbside Recycling Arrangements, June 2019		
City	Solid Waste Collection Details	Curbside Recycling (CSR)
Andale	Contract with Waste Connections	MSVP Recycling Perks
Bel Aire	Preferred vendor is Waste Connections, volume based rates	MSVP Recycling Perks
Bentley	Contract with Waste Connections	MSVP Recycling Perks
Cheney	Contract with Waste Connections	MSVP Recycling Perks
Clearwater	Contract with Waste Connections	MSVP Recycling Perks
Colwich	Free market	Free market
Derby	Contract with Waste Connections, volume based rates	MSVP Recycling Perks
Eastborough	Contract with Waste Connections, volume based rates	Recycling Perks
Garden Plain	Free market	Free market
Goddard	Free market	Free market
Haysville	Free market	Free market
Kechi	Preferred vendor is Waste Connections	MSVP Recycling Perks
Maize	Free market	Free market
Mount Hope	Contract with Waste Connections	MSVP Recycling Perks
Mulvane	Free market	Free market
Park City	Preferred vendor is Waste Connections	MSVP Recycling Perks
Sedgwick	Contract with Waste Connections, volume based rates	MSVP Recycling Perks
Valley Center	Contract with Waste Management, volume based rates	MSVP single stream CSR
Viola	Contract with Waste Connections	MSVP Recycling Perks
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 321,059 tons of solid waste was received at their facility during 2018. Waste Disposal, LLC Transfer Station reported that 73,513 tons of solid waste was received at their facility during 2018. Totally, 394,572 tons of solid waste was received at these two transfer stations during 2018, which is a 0.6% decrease 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 53 years at current volumes. Figure 1 shows Sedgwick County MSW disposal trends for the past five years.

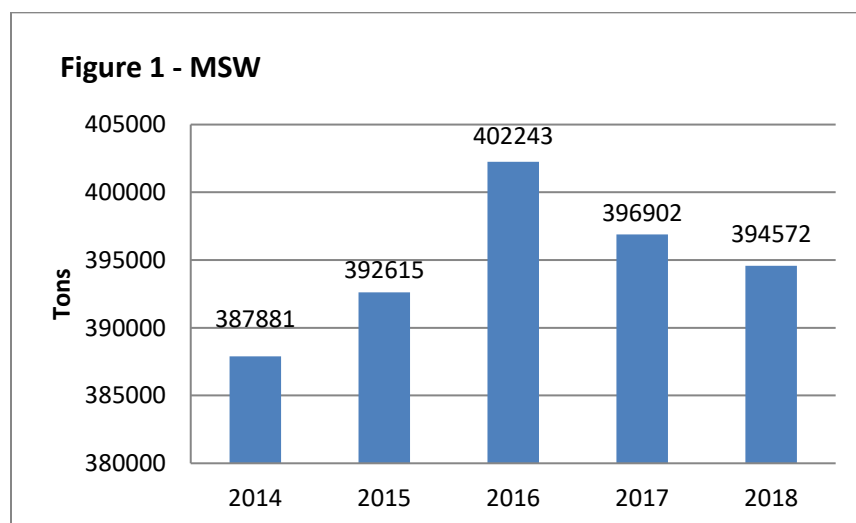
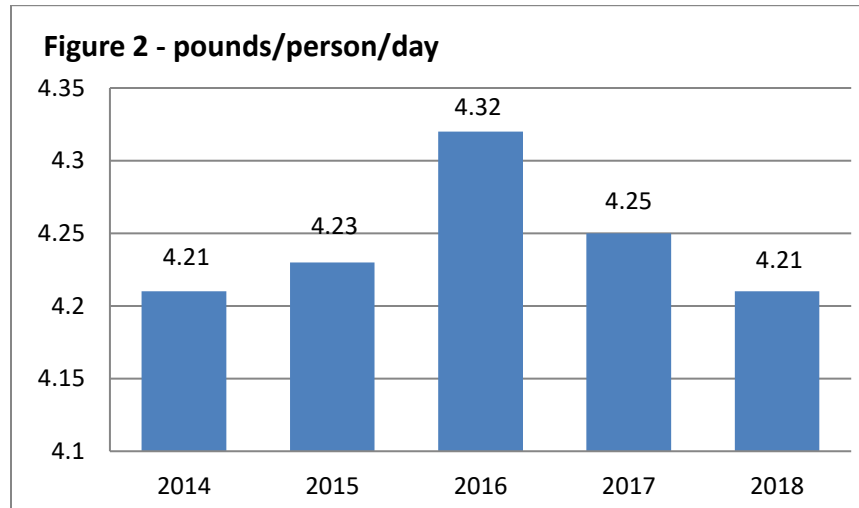


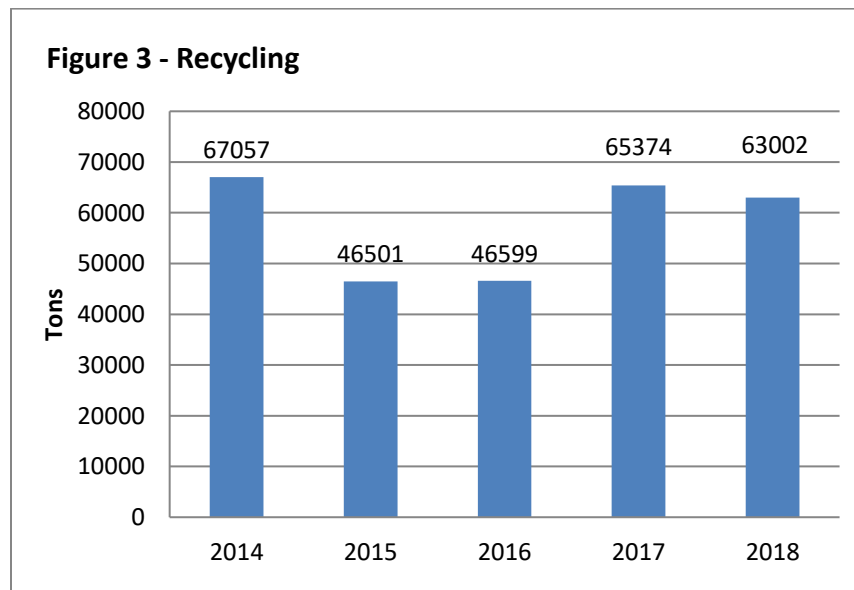
Figure 2 shows the amount of MSW generated per person per day in Sedgwick County for the past 5 years.



SOLID WASTE REDUCTION

Amount recycled in Sedgwick County

Tonnage reports for the materials shipped for recycling in 2018 were submitted by four material recovery facilities in the county. Waste Connections Recycling Facility shipped 26,209 tons; International Paper shipped 20,005 tons; Pratt Industries shipped 16,197 tons; and ProKansas-Miller Recycling Center shipped 591 tons. The total reported by the facilities is 63,002 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 provided drop-off recycling bins in 4 small cities 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. They were removed at all locations in 2018. 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

In Sedgwick County, single-stream curbside recycling collection is offered by all haulers. The collection is either provided by the individual haulers or contracted through a 2nd party hauler. Obtaining data on the number of residential customers using curbside recycling service is difficult due to the number of haulers in our area. Waste Connections of Kansas reported having 37,773 curbside recycling customers in Sedgwick County in 2018.

Reduction in Waste

Dillons Grocery Stores and the Kroger Company continue their efforts of moving towards EPA's Zero Waste threshold of 90% through the Zero Hunger/Zero Waste Initiative. Local Dillons Stores are implementing source-reduction opportunities for the deli, bakery, dairy, produce and meat and seafood departments. Reducing the amounts of some items prepared in the deli and bakery that would be removed due to the shelf life, leads to less waste. Increasing food donations to the Kansas Food Bank and diverting food trim and waste to Quest, a local animal feed program, have all diverted tons of waste from landfills. Kroger also announced plans to phase out the use of single-use plastic bags by 2025.

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 231 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 16,281 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.

Curbside composting is available locally through 2 private companies, Compost ICT and Nudge Compost. A five gallon bucket is provided for food scraps and is picked up weekly. The contents are taken away and converted into compost. Nudge Compost diverted 10,682 pounds from the landfill so far.

Management of grass clippings

Residents are encouraged to mulch mow or compost their grass clippings. Grass clippings 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

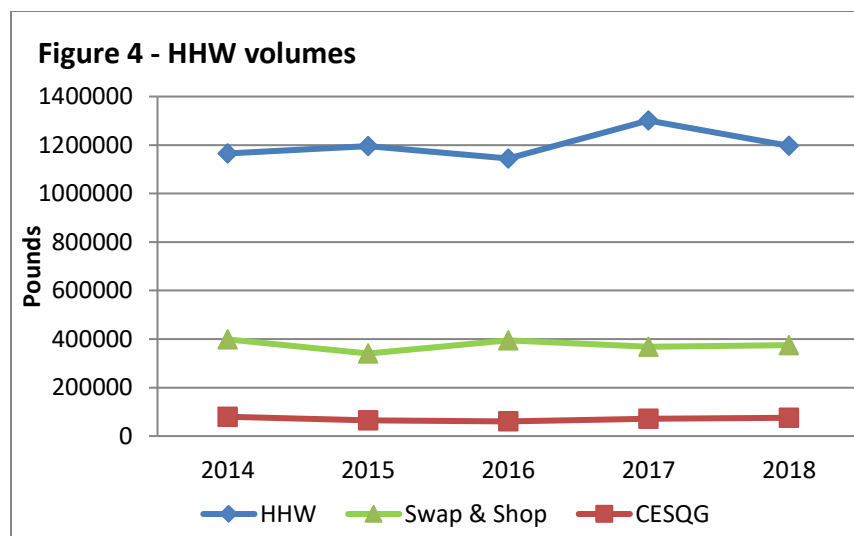
Household Hazardous Waste (HHW)

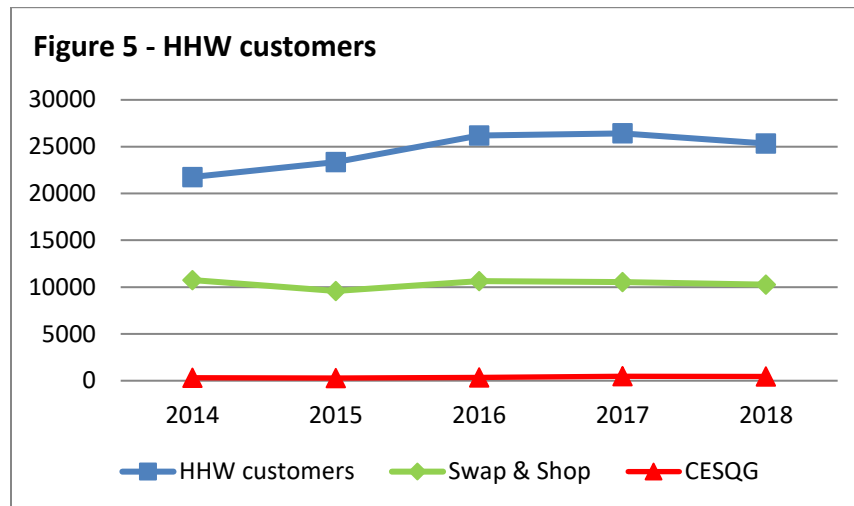
The Sedgwick County Household Hazardous Waste Facility is located at 801 Stillwell in Wichita, Kansas. In 2018, 25,323 participants brought 1,197,433 pounds of material (excluding solid waste) to the HHW Facility. Five sites in Sedgwick County collected old or unused pharmaceuticals from citizens by participating in the DEA National Prescription Drug Take-Back Day. Three Wichita and one Derby Walgreens Stores, and Dandurand Drugs have installed drug disposal kiosks for the same purpose.

Of the total brought to the HHW facility, 375,145 pounds were reclaimed by 10,268 Swap and Shop customers. Sedgwick County provided five remote collection events in 2018. These locations were Textron-Beechcraft (Wichita), Haysville, Colwich, WSU Metroplex (Wichita) and Derby.

Conditionally Exempt Small Quantity Generators (CESQG)

In 2018, 439 conditionally exempt small quantity generators brought in 75,803 pounds of waste to the Sedgwick County Household Hazardous Waste Facility. HHW volume and customer trends are shown in Figures 4 and 5.



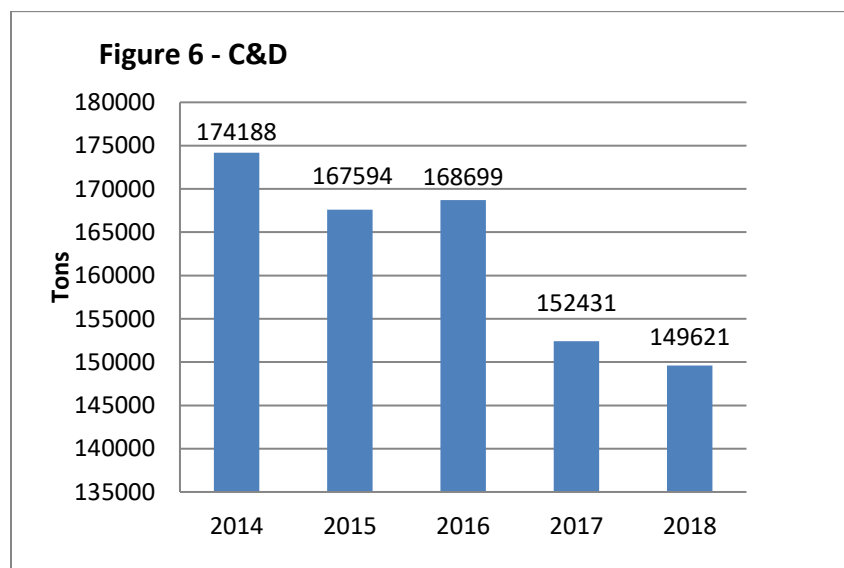


Construction & Demolition (C&D) Materials

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 2018, Brooks C & D Landfill received and buried 74,083 tons of waste and CDR - North received and buried 75,538 tons of waste. The total for all C & D waste buried in 2018 is 149,621 tons. This is a 1.8% decrease from the amount reported the previous year.

Figure 6 shows the amount of construction and demolition material disposed of in Sedgwick County in 2018.



Waste Tires

Waste tires have been an issue for decades. Before regulations that controlled tire storage, local businesses stockpiled large numbers of waste tires. These large piles posed fire hazards and health and environmental risks. Waste tires are improperly stored on some farms and residential land and have been and continue to be an illegal dumping problem.

Sedgwick County held a waste tire collection event on April 18, 19 and 20, 2019. This was the sixth Waste Tire Collection event held by Sedgwick County. The event was held for residents, farmers, businesses, and government agencies. Tire dealers and other businesses that collected fees for tire disposal were not eligible to participate. April 18 was promoted as the day for businesses and government agencies.

Sedgwick County Public Works managed the large tire piles and the flow of traffic through the yard. The vendor, Resource Management Co., Inc., was present during the event and hauled the tires away for recycling. The program was funded by the County's Solid Waste Fee and collected 180,372 passenger tire equivalents from 2,663 vehicles.

Sedgwick County has held 6 waste tire collection events since the year 2000. These events collected a total of 1,015,905 tire units. The event was held for residents, farmers, businesses, and government agencies. A breakdown of these events is as follows:

- 2019 – 180,372 passenger tire equivalents from 2,663 vehicles
- 2017 – 101,193 passenger tire equivalents from 1,307 vehicles
- 2015 – 137,780 passenger tire equivalents from 2,054 vehicles
- 2011 – 155,878 passenger tire equivalents from 1,866 vehicles
- 2004 – 222,638 passenger tire equivalents from 3,569 vehicles
- 2000 – 218,044 passenger tire equivalents from 5,630 vehicles

Christmas Trees

From December 22, 2018 through January 23, 2019, 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 3,816 trees through this program. This is a decrease of 14% from 2017. 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 899 tons of illegally dumped waste collected by townships. The County will continue to pay the tipping fees at both transfer stations for illegal dumping materials collected by townships.

The Department of Environmental Resources partnered with the Sedgwick County Department of Aging and the Metropolitan Area Building and Construction Department (MABCD) on special cleanups to help hoarding cases and divert fines by providing free roll-off trash containers to 146

properties in 2018. Vouchers were given to another 81 individuals for self-hauling their items to the local trash transfer stations.

In 2018, residents of a Payne Township had the opportunity to dispose of bulky waste at a township clean-up event. Roll-off containers were placed at the township facility where 17.8 tons of material was disposed of.

From July 31, 2018 to October 24, 2018, 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 5,554 coupons that were issued, 1,385 coupons were redeemed.

Due to recent increases in disposal costs for mattresses and box springs, the Sedgwick County Solid Waste Management Committee recommends that Sedgwick County monitor the illegal dumping of these items for one year to determine if any additional actions need to be taken.

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 operates 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 are 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 was transported and used for a special cleanup project in Bentley, Kansas in 2018 and 2019.

In 2012, the Oaklawn Tornado tore a path through the Oaklawn and Deer Lakes Estates neighborhoods, which are located southeast of Wichita near 47th St. South and Highway K-15. In the aftermath of the tornado, storm debris was cleared in all areas except the natural creek channel that runs through Deer Lakes Estates. The channel is deep with steep sides and is covered with a thick timber stand. Access to the channel with conventional equipment is difficult. Dead, fallen and damaged trees diminish the flow capacity of the creek and log jams are causing erosion of the generally stable banks. Both sides of the creek are developed with residential housing and erosion of the banks threatens the homes. Storm debris was cleared from the channel in February 2019 with Sedgwick County Storm contingency funding.

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. Stericycle, Inc. presented a permit application for a medical waste transfer station in Wichita, Kansas. The proposed medical waste transfer station is a relocation of the existing medical waste transfer station operated by Stericycle, Inc. at 3811 S. West Street (permit #932). The facility is relocating to 4210 W. Pawnee Street. On June 3, 2019, the Solid Waste Management Committee unanimously approved that the permit

application conforms to the Solid Waste Management Plan for Sedgwick County and that the committee supports the application. On June 19, 2019 the Board of County Commissioners reviewed the permit application and confirmed that it conforms to the Sedgwick County Solid Waste Management Plan.

KDHE GRANT APPLICATIONS

KDHE requires that all grant applications come before the Solid Waste Management Committee. There were no grant applications from June 2018 to June 2019.

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 were 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 13, 2018, the Board of County Commissioners voted to keep the Solid Waste Fee. For 2019, the annual residential base rate remained the same at \$5.88. The fees for non-residential and commercial properties have five tiered rates. Tier 1 is \$4.44 per parcel. Tier 2 is \$5.58 per parcel. Tier 3 is \$6.73 per parcel. Tier 4 is \$7.87 per parcel. And Tier 5, which is the large malls, is \$5.58 times the number of tenant spaces located on a single parcel.