

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 2022



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 2022. This report reflects solid waste data collected from facilities for calendar year 2021 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 population in 2020 (the most recent data available) was 523,824. Population is expected to grow 0.4% per year through year 2030, expanding to approximately 531,888 citizens. Table 1 shows 2019 census data (estimated) and 2020 actual census data for Sedgwick County and the cities within Sedgwick County.

City	2019	2020	% change
Andale	987	941	-4.7%
Bel Aire	8,300	8,262	-0.5%
Bentley	517	560	8.3%
Cheney	2,167	2,181	0.6%
Clearwater	2,552	2,653	-0.8%
Colwich	1,467	1,455	4.1%
Derby	24,943	25,625	2.7%
Eastborough	732	756	3.3%
Garden Plain	909	948	4.3%
Goddard	4,796	5,084	6.0%
Haysville	11,338	11,262	-0.7%
Kechi	2,005	2,217	10.6%
Maize	4,934	5,735	16.2%
Mt. Hope	801	806	0.6%
Mulvane	6,489	6,286	-3.1%
Park City	7,764	8,333	7.3%
Sedgwick	1,658	1,603	-3.3%
Valley Center	7,325	7,340	0.2%
Viola	128	115	-10.2%
Wichita	389,877	397,532	2.0%
Sedgwick County Total	516,042	523,824	1.5%

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 six empty positions. The committee meets as business items dictate.

Table 2 - Sedgwick County Solid Waste Management Committee	
Representing	Member Name
Cities of 1st Class	Alex Dean
Cities of 1st Class	Sarah Gooding
Cities of 2nd Class	Tom Jones
Cities of 3rd Class	Terry Somers
Unincorporated Areas	Clem Dickerson
General Public	Kay Drennen
Citizen's Organizations	Susanne Boese
Private Industry	
Private Solid Waste Industry	
Private Recycling/Scrap	
Sedgwick County Recycling	Cindy Le
Commission District #1	Nancy Larson
Commission District #2	Tony Martinez
Commission District #3	
Commission District #4	
Commission District #5	
Chairperson (non-voting)	Nicki Soice

MUNICIPAL SOLID WASTE (MSW)

MSW Collection

The solid waste management system in Sedgwick County is private sector driven. Twelve businesses were licensed to haul non-hazardous waste in 2021. Table 3 lists these businesses.

Table 3 – Businesses licensed to haul non-hazardous waste		
Name	Address	
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
Harp Roll-Off Service	19515 W 53 rd St N	Colwich, KS 67030
Junk Boys	P.O. Box 47912	Wichita, KS 67201
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
On-Site, Inc dba Waste Link/Air Capital	5720 N Broadway	Wichita, KS 67219
Waste Connections Inc. of Kansas	2745 N Ohio	Wichita, KS 67219
Waste Management of Wichita	4330 W 31 st St S	Wichita, KS 67205

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 2021		
City	Solid Waste Collection Details	Curbside Recycling (CSR)
Andale	Contract with Waste Connections	MSVP Recycling
Bel Aire	Preferred vendor is Waste Connections, volume based rates	MSVP Recycling
Bentley	Contract with Waste Connections	MSVP Recycling
Cheney	Contract with Waste Connections	MSVP Recycling
Clearwater	Contract with Waste Connections	MSVP Recycling
Colwich	Free market	Free market
Derby	Contract with Waste Connections, volume based rates	MSVP Recycling
Eastborough	Contract with Waste Connections, volume based rates	Recycling
Garden Plain	Contract with Waste Connections	MSVP Recycling
Goddard	Free market	Free market
Haysville	Free market	Free market
Kechi	Preferred vendor is Waste Connections	MSVP Recycling
Maize	Free market	Free market
Mount Hope	Contract with Waste Connections	MSVP Recycling
Mulvane	Free market	Free market
Park City	Preferred vendor is Waste Connections	MSVP Recycling
Sedgwick	Contract with Waste Connections, volume based rates	MSVP Recycling
Valley Center	Contract with Waste Connections, volume based rates	MSVP single stream CSR
Viola	Contract with Waste Connections	MSVP Recycling
Wichita	Contract with all haulers, volume based rates	Hauler must offer single stream CSR
MSVP – mandatory subscription, voluntary participation		

SW Disposal

Waste Connections Transfer Station reported that 403,736 tons of solid waste was received at their facility during 2021. This is a 0.5% increase from the previous year. On August 1, 2019, Waste Disposal Transfer Station stopped operations. In 2021, Waste Connections Inc. of Kansas purchased the Waste Disposal Transfer Station. As of this date, the facility remains closed.

The MSW from the transfer station was transferred to Plumb Thicket Landfill in Harper County for final disposal. The Plumb Thicket Landfill has a site life of 50 years at current volumes. Figure 1 shows Sedgwick County MSW disposal trends for the past five years.

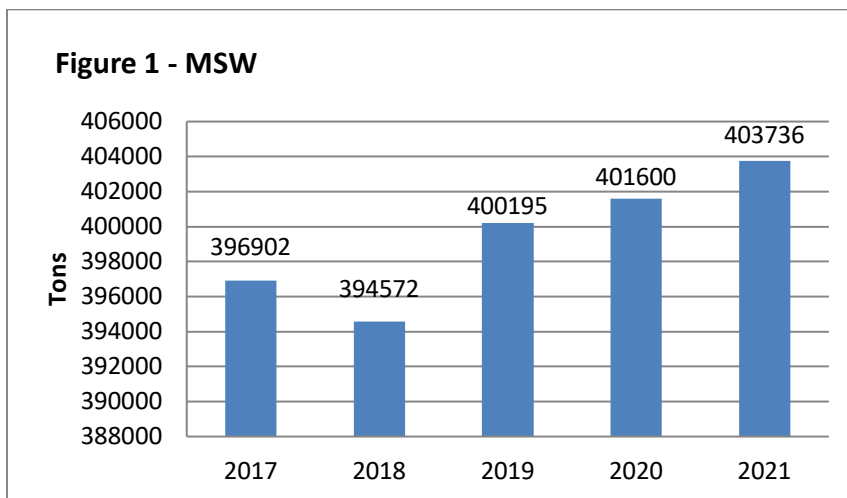
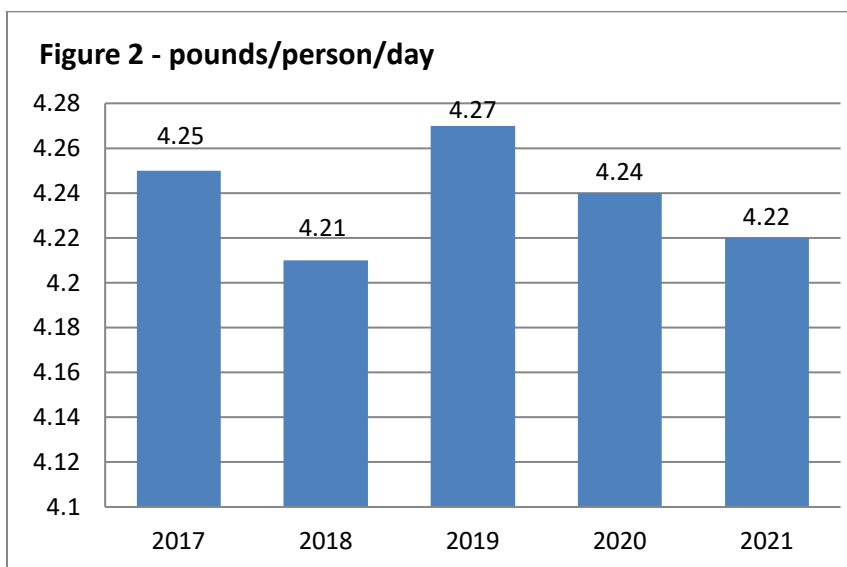


Figure 2 shows the amount of MSW generated per person per day in Sedgwick County for the past 5 years.

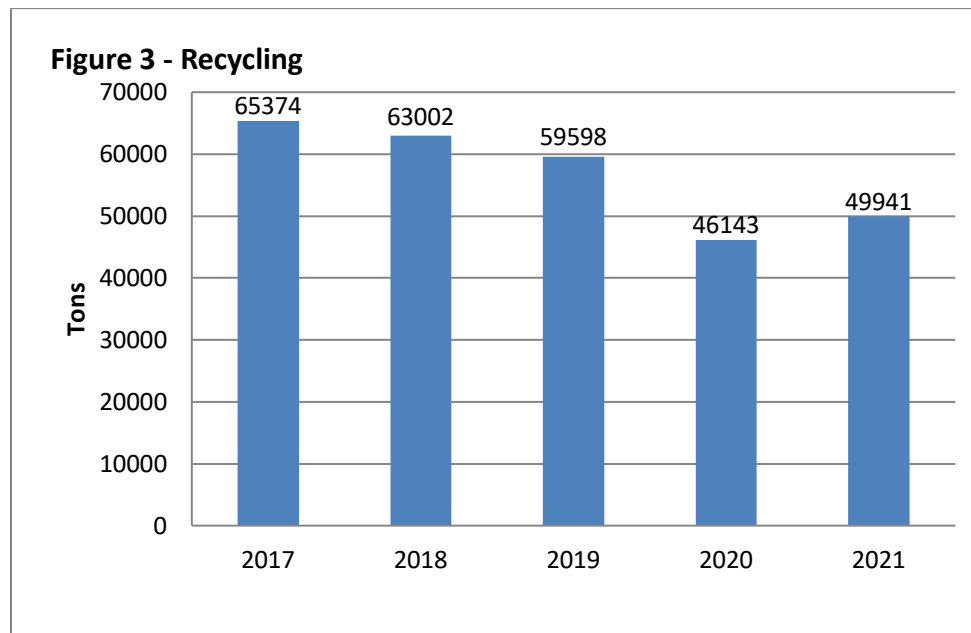


SOLID WASTE REDUCTION

Sedgwick County encourages citizens to recycle and reduce waste.

Amount recycled in Sedgwick County

Tonnage reports for the materials shipped for recycling in 2021 were submitted by four material recovery facilities in the county. Waste Connections Recycling Facility shipped 13,709 tons; International Paper shipped 23,300 tons; Pratt Industries shipped 12,390 tons; and ProKansas-Miller Recycling Center shipped 542 tons. The total reported by the facilities is 49,941 tons. Sedgwick County's combined commercial and residential recycling trends for the past 5 years are shown in Figure 3.



Drop-off recycling

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.

Reduction in Waste

Dillon's 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 Dillon's 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 1,941 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 12,546 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. Compost ICT did not respond to our request for amount composted. Nudge Compost diverted 145,500 pounds from the landfill.

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

Drug Drop Off

Sedgwick County residents can now easily dispose of unwanted or expired prescriptions, over-the-counter and controlled medications at designated drug drop off boxes without any questions asked or ID check. Environmental Resources has partnered with local law enforcement agencies to collect controlled substances through the MedSafe Medication Disposal System at the following locations:

Bel Aire Police Department, 7651 E. Central Park Ave., Bel Aire, Kansas
Cheney Police Department, 131 E. Main, Cheney, Kansas
Clearwater Police Department, 109 S. Lee, Clearwater, Kansas
Mulvane Police Department, 410 E. Main, Mulvane, Kansas
Valley Center Police Department, 616 E. 5th St., Valley Center, Kansas

The Cheney, Clearwater, Mulvane and Valley Center boxes have a 38 gallon capacity. The Bel Aire box has an 18 gallon capacity. The amount of medications collected for disposal in 2021 was 153.85 pounds at Mulvane, 91.55 pounds at Valley Center, 26.65 pounds at Clearwater, and 27.05 pounds at Bel Aire.

Five sites in Sedgwick County collected old or unused pharmaceuticals from citizens by participating in the DEA National Prescription Drug Take-Back Day. The sites were at the Wichita Patrol East and West Police stations, Sedgwick County Zoo, Sedgwick County Household Hazardous Waste facility and the Oaklawn Activity Center.

Three Wichita Walgreens stores at 555 N. Maize Rd., 3150 S. Seneca, 3333 E. Central and one Derby Walgreens store located at 458 N. Baltimore, two Walmart pharmacies at 10600 W. 21st St. and 3030 N. Rock Rd., the CVS store at 10405 W. 13th, Professional Pharmacy at 744 N. Waco, Cheney Pharmacy in Cheney, and McConnell AFB at 7950 Leavenworth St. installed drug disposal kiosks for the same purpose.

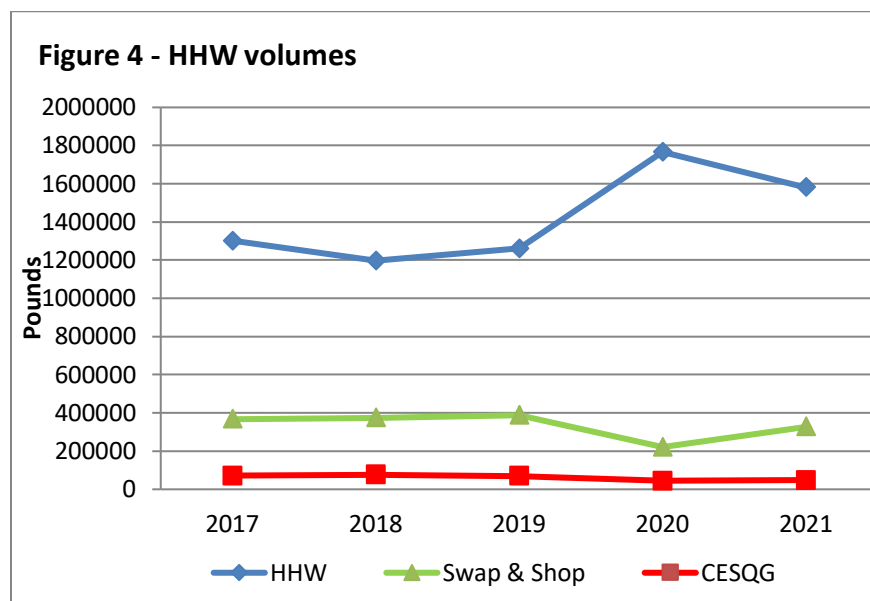
Household Hazardous Waste (HHW)

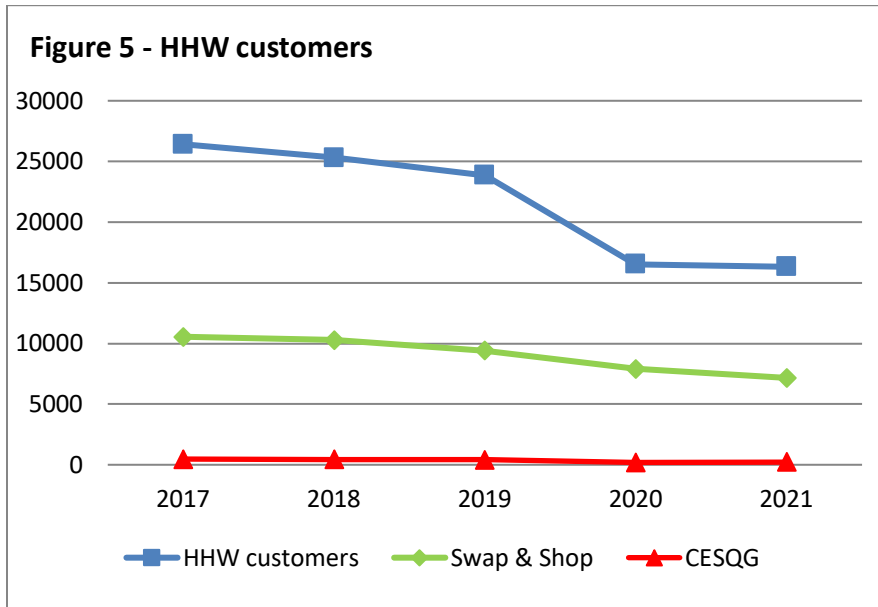
The Sedgwick County Household Hazardous Waste Facility is located at 801 Stillwell in Wichita, Kansas. In 2021, 16,318 participants brought 1,581,838 pounds of material (excluding solid waste) to the HHW Facility. HHW volume and customer trends are shown in Figures 4 and 5.

Of the total brought to the HHW facility, 327,907 pounds were reclaimed by 7,159 Swap and Shop customers. Sedgwick County provided five remote collection events in 2021. These locations were City of Maize Public Works, Sedgwick County Extension Office, Textron East Campus, Spirit AeroSystems, and the shopping mall at 47th St. S. and Broadway. HHW volume and customer trends are shown in Figures 4 and 5.

Conditionally Exempt Small Quantity Generators (CESQG)

In 2021, 223 conditionally exempt small quantity generators brought in 47,569 pounds of waste to the Sedgwick County Household Hazardous Waste Facility. HHW volume and customer trends are shown in Figures 4 and 5.



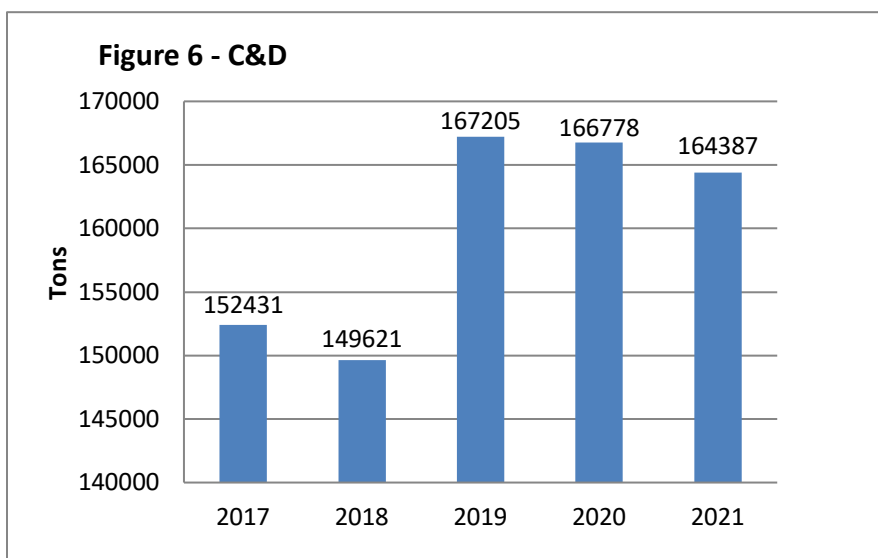


Construction & Demolition (C&D) Materials

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

During 2021, Brooks C & D Landfill received and buried 86,787 tons of waste and CDR - North received and buried 77,600 tons of waste. The total for all C & D waste buried in 2021 is 164,387 tons. This is a 1.4% decrease from the amount reported the previous year.

Figure 6 shows the amount of construction and demolition material disposed of in Sedgwick County in 2021.



Electronic Waste

A list of Sedgwick County businesses that accept electronics for recycling is accessible on the County's website at <http://Sedgwickcounty.org/environment/recyclingguide.asp>. These locations are updated as needed on the County's online recycling guide. Sedgwick County conducted an electronics collection event April 21, 22, 23 and 28, 29 30, 2022 at the Sedgwick County Public Works West Yard. This event was free to all residents and businesses of Sedgwick County, Kansas. The event collected 234,915 pounds of e-waste from 2,452 vehicles.

Christmas Trees

From December 21, 2021 through January 21, 2022, 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. The County disposed of 2,878 trees through this program. This is a decrease of 20% from 2021. 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 1,059 tons of illegally dumped waste collected by townships. The County will continue to pay the tipping fees at the transfer station 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 and to help hoarding cases and divert fines by providing free roll-off trash containers to 88 properties in 2021. Vouchers were given to another 47 individuals for self-hauling their items to the local trash transfer stations.

In 2021, residents of 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 30 mattresses, 568 tires and 25.31 tons of material was collected.

From September 15, 2021 to November 24, 2021, 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 8,826 coupons that were issued, 2,139 coupons were redeemed.

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. In April

2022, a tornado damaged structures in the southeast part of Sedgwick County. The County immediately responded to rescue victims and assess damage. This was followed with supplying equipment, staff and dumpsters to assist in cleanup efforts. Residents were asked to bring household hazardous waste to the roadside for collection by HHW staff. The staff collected the HHW in the afternoons. This resulted in collecting 4,100 pounds of HHW from these residents. The County provided 10 dumpster locations that were collected, dumped and returned for 21 days. This resulted in collecting and disposing of 467,440 pounds of tornado debris from 62 dumpsters.

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 are no solid waste permit applications in process in Sedgwick County from June 2021 to June 2022.

KDHE GRANT APPLICATIONS

KDHE requires that all grant applications come before the Solid Waste Management Committee. There were three grant applications from June 2021 to June 2022. Sedgwick County applied for and received a Waste Tire Grant to resurface the Boundless Playground at Sedgwick County Park for rubber made from recycled tires. Nudge Compost applied for two Solid Waste Grants to purchase equipment and supplies for its food waste compost business. Evergreen Recycling applied for two Solid Waste Grants to increase education and equipment to start receiving C&D materials for recycling.

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 May 5, 2021, the Board of County Commissioners voted to keep the Solid Waste Fee and raise the annual residential base rate per dwelling unit to \$7.90. The fees for non-residential and commercial properties have five tiered rates based on classification standards. Tier 1 is now \$5.13 per parcel. Tier 2 is \$6.81 per parcel. Tier 3 is \$8.49 per parcel. Tier 4 is \$10.17 per parcel. And Tier 5, which is the large malls, is \$6.81 times the number of tenant spaces located on a single parcel. On May 18, 2022, the Board of County Commissioners voted to keep the Solid Waste Fee and raise the annual residential base rate per dwelling to \$8.38. The fees for non-residential and commercial properties have five tiered rates based on classification standards. Tier 1 is now \$5.33 per parcel. Tier 2 is \$7.11 per parcel. Tier 3 is \$8.89 per parcel. Tier 4 is \$10.67 per parcel. And Tier 5, which is the large malls, is \$7.11 times the number of tenant spaces located on a single parcel.