

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 2024



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.....5

 SW Disposal..... 6

SOLID WASTE REDUCTION 7

 Amount recycled in Sedgwick County 7

 Drop-off recycling..... 7

 Curbside recycling 7

 Reduction in Waste..... 7

 Composting in Sedgwick County 8

 Management of grass clippings 8

MANAGEMENT PROGRAMS FOR SPECIFIC WASTES 8

 Drug Drop Off..... 8

 Household Hazardous Waste (HHW) 9

 Conditionally Exempt Small Quantity Generators (CESQG) 9

 Construction & Demolition (C&D) Materials..... 10

 Electronic Waste 11

 Christmas Trees..... 11

 Special Cleanup Programs..... 11

 Storm Debris.....12

KDHE SOLID WASTE PERMITS 12

KDHE GRANT APPLICATIONS..... 12

PUBLIC EDUCATION 13

SOLID WASTE FEE..... 13

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 2024. This report reflects solid waste data collected from facilities for calendar year 2023 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 2021 (the most recent data available) was 523,828. Population is expected to grow 0.4% per year through year 2030, expanding to approximately 531,888 citizens. Table 1 shows 2021 and 2022 census data (estimated) for Sedgwick County and the cities within Sedgwick County. The source for the information is U.S. Census Bureau, Population Division.

Table 1 - Population for Cities in Sedgwick County			
City	2021	2022	% change
Andale	931	928	-0.3%
Bel Aire	8,451	8,822	4.4%
Bentley	561	565	0.7%
Cheney	2,173	2,161	-0.6%
Clearwater	2,644	2,642	-0.1%
Colwich	1,456	1,457	0.1%
Derby	25,777	25,939	0.3%
Eastborough	751	746	-0.7%
Garden Plain	947	943	-0.4%
Goddard	5,383	5,559	3.3%
Haysville	11,273	11,287	0.1%
Kechi	2,252	2,322	3.1%
Maize	6,020	6,405	6.4%
Mt. Hope	804	802	-0.2%
Mulvane	6,545	6,763	3.3%
Park City	8,460	8,656	2.3%
Sedgwick	1,599	1,598	-0.1%
Valley Center	7,403	7,348	-0.7%
Viola	113	112	-0.9%
Wichita	396,679	396,192	-0.1%
Sedgwick County Total	523,828	525,525	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 two 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	Hannah Chegwiddden
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	Keith Shaw
Sedgwick County Recycling	Catherine Johnson
Commission District #1	Nancy Larson
Commission District #2	Tony Martinez
Commission District #3	Richard Hill
Commission District #4	Kelly Parks
Commission District #5	Angela Massions
Chairperson (non-voting)	Nicki Soice

MUNICIPAL SOLID WASTE (MSW)

MSW Collection

The solid waste management system in Sedgwick County is private sector driven. Seven businesses were licensed to haul non-hazardous waste in 2023. In 2023 Ballinger Trash Service was purchased by On-Site, Inc. and Moran Trash Service was purchased by Wheat State Disposal. 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
M.T McCray Sanitation	P.O. Box 8460	Wichita, KS 67208
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
Wheat State Disposal	3525 W 30 th St S	Wichita, KS 67217

Sedgwick County requires all licensed haulers to provide information on the number of solid waste and recycling customers they provide service for, both commercial and residential.

Commercial Solid Waste and Recycling Customers

	Solid Waste	Recycling
Waste Hauler A	31	0
Waste Hauler B	1,246	108
Waste Hauler C	8,947	1,386
Waste Hauler D	1,906	389
Waste Hauler E	80	0
Waste Hauler F	275	0
Waste Hauler G	0	0
Total	12,485	1,883

Total Solid Waste Customers 12,485

Total Recycling Customers 1,883

Residential Solid Waste and Recycling Customers

	35 gallon cart	65 gallon cart	95 gallon cart	Recycling cart
Waste Hauler A			226	20
Waste Hauler B		1,990	41,473	4,900
Waste Hauler C	2,000	5,000	78,000	31,248
Waste Hauler D		401	15,951	4,892
Waste Hauler E		110	1,992	97
Waste Hauler F		100	200	0
Waste Hauler G		20	1,800	0
Total	2,000	7,621	139,642	41,157

Total Trash Carts 149,263

Total Recycling Carts 41,157

The Sedgwick County Appraiser's Office currently lists 198,567 households in Sedgwick County. This does not include apartments. A comparison of this to the number of residential trash carts reported by solid waste haulers indicates that 49,304 households do not have trash collection. All households in the 14 cities with contracts for residential solid waste collection have curbside trash and recycling collection. The number of households in cities with contracts for residential solid waste collection is 23,396.

Residents in the unincorporated area can contract with a solid waste hauler, bury their trash, burn their trash in a burn barrel specified by the Sedgwick County Fire Department, or self-haul to a permitted disposal site. The number of households in the unincorporated area of the county is 14,322. Residents in cities without contracts, can contract with a solid waste hauler or self-haul to a permitted disposal site. The number of households in the 4 cities of the Second and Third Class without contracts for residential solid waste collection is 11,267. It should be noted that Wichita Code requires "The occupant of each single-family dwelling shall arrange and pay directly, unless otherwise paid, for all of the residential trash produced on such premises to be collected by a solid waste collector at least once a week" (Sec. 7.08.030 – Residential Trash (b) Collection and Disposal). The number of households in Wichita is 149,582. Those households can contract directly with waste haulers.

Solid Waste Trends

County leaders support local communities' efforts to reduce the cost and increase services for solid waste collection. Sedgwick County recognizes that cities should make their own decisions in regards to waste disposal. Sedgwick County does recognize the advantage of waste hauler contracts that will reduce road wear and tear, reduce air emissions, reduce disposal costs and increase services such as curbside recycling, volume-based trash rates and bulky waste collections.

Table 4 shows the solid waste collection details for all cities in Sedgwick County. Approximately 5.6% of the Sedgwick County population live in a city without a solid waste collection contract of some sort.

Table 4 – City Solid Waste Collection/Curbside Recycling Arrangements, June 2023		
City	Solid Waste Collection Details	Curbside Recycling (CSR)
Andale	Contract with Waste Connections	MSVP - CSR
Bel Aire	Preferred vendor is Waste Connections, volume based rates	MSVP - CSR
Bentley	Contract with Waste Connections	MSVP - CSR
Cheney	Contract with Waste Connections	MSVP - CSR
Clearwater	Contract with Waste Connections	MSVP - CSR
Colwich	Free market	Free market
Derby	Contract with Waste Connections, volume based rates	MSVP - CSR
Eastborough	Contract with Waste Connections, volume based rates	CSR
Garden Plain	Contract with Waste Connections	MSVP - CSR
Goddard	Free market	Free market
Haysville	Free market	Free market
Kechi	Preferred vendor is Waste Connections	MSVP - CSR
Maize	Free market	Free market
Mount Hope	Contract with Waste Connections	MSVP - CSR
Mulvane	Free market	Free market
Park City	Preferred vendor is Waste Connections	MSVP - CSR
Sedgwick	Contract with Waste Connections, volume based rates	MSVP - CSR
Valley Center	Contract with Waste Connections, volume based rates	MSVP - CSR
Viola	Contract with Waste Connections	MSVP - CSR
Wichita	License with all haulers, volume based rates	Hauler must offer single stream CSR
MSVP – mandatory subscription, voluntary participation		
CSR – Curb Side Recycling		

SW Disposal

Waste Connections Transfer Station reported that 386,164 tons of solid waste was received at their facility during 2023. This is a 0.2% decrease from the previous year.

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 43 years at current volumes. Figure 1 shows Sedgwick County MSW disposal trends for the past five years.

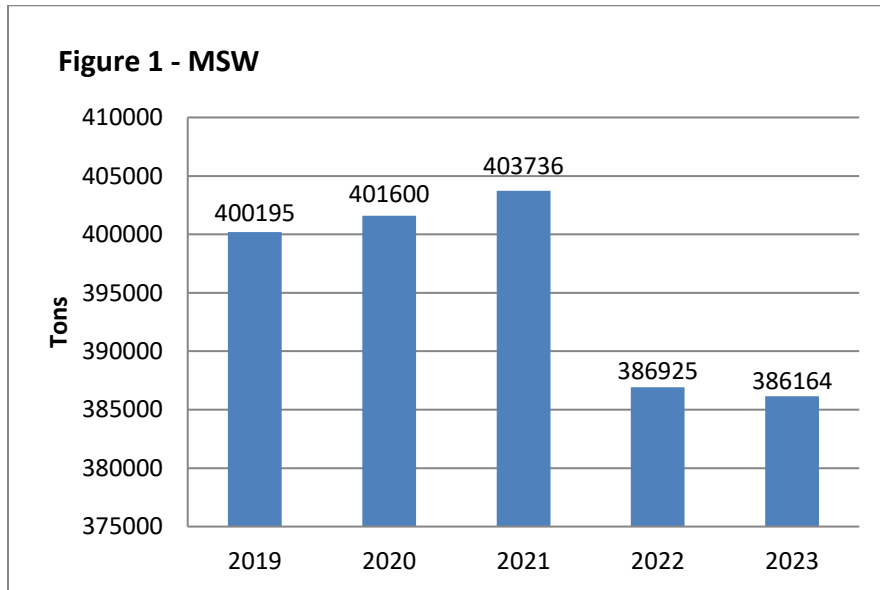
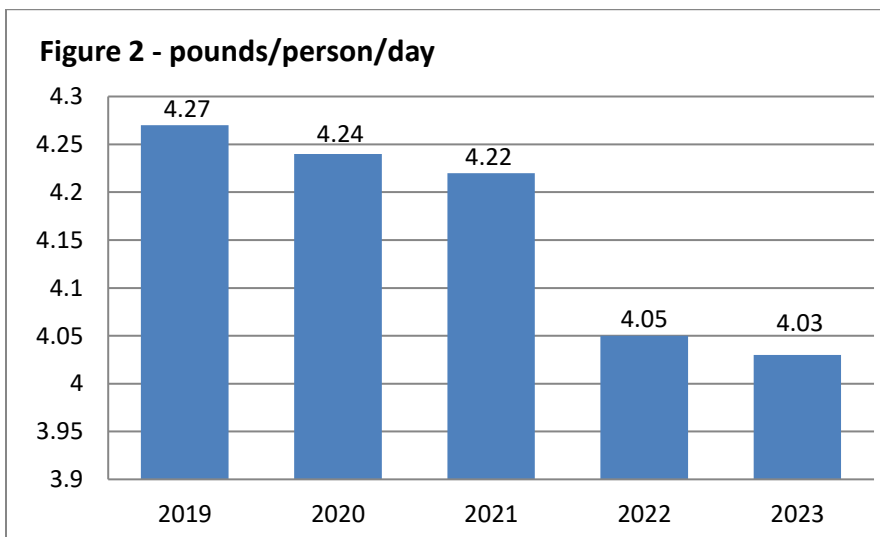


Figure 2 shows the amount of MSW generated per person per day in Sedgwick County for the past 5 years. The EPA national amount is 4.9 pounds per person per day.

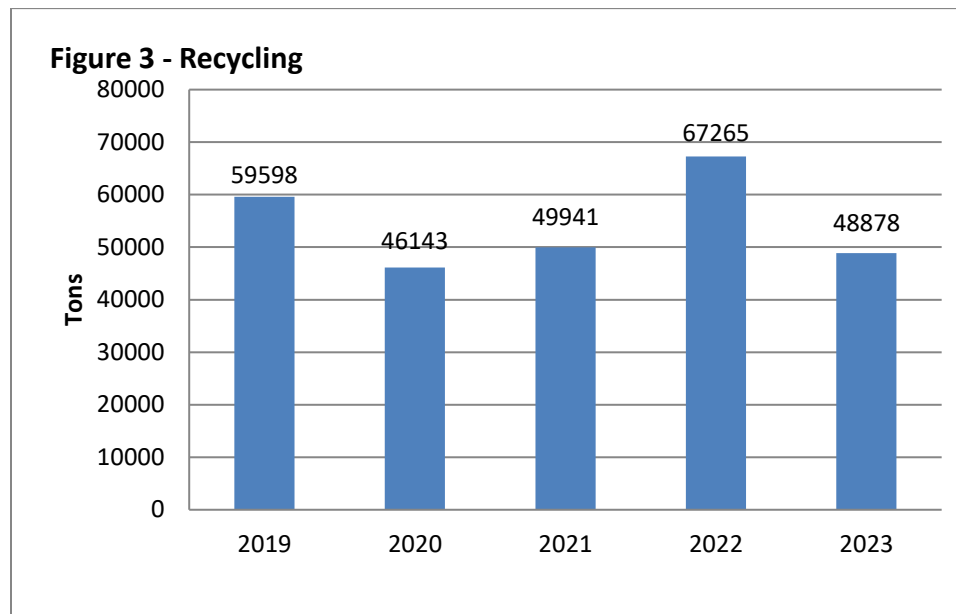


SOLID WASTE REDUCTION

Sedgwick County encourages citizens to recycle and reduce waste.

Amount recycled in Sedgwick County

Tonnage reports for the materials shipped for recycling in 2023 were submitted by four material recovery facilities in the county. Waste Connections Recycling Facility shipped 13,183 tons; International Paper shipped 22,803 tons; Pratt Industries shipped 12,350 tons; and Pro Kansas Recycling Center shipped 542 tons. The total reported by the facilities is 48,878 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 discontinued their 24-hour drop-off boxes for fiber products in August 2023. These drop-off boxes were 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.

ICT Food Rescue diverted 191,917 pounds of food from the landfill in 2023. Utilizing a national equation shows that those pounds converted into 159,931 meals and saved the community \$368,480. Their mission is to distribute unavoidable food surplus, sharing with the food insecure of Wichita. ICT Food Rescue volunteers will pick up donated food items from restaurants, grocers and catered events and transport the food to pantries, foster homes and recovery centers. With their new Upcycle Kitchen, fresh produce and other raw ingredients donated by urban farmers, restaurants and grocery stores will be used to prepare soups and casseroles that are oven-ready for their recipient organizations.

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 303 tons for composting and 5,083 tons of wood for mulch/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 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 is partnering with local businesses for food scrap pickup as well. In 2023, about 225 tons were diverted 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 2023 was 121.75 pounds at Mulvane, 46.3 pounds at Clearwater, 44 pounds at Valley Center, and 23.15 pounds at Bel Air.

Nine 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, Robert Dole VA Medical Center, Sedgwick County Household Hazardous Waste facility, the Oaklawn Activity Center, Bentley Police Department, Haysville Police Department and Bel Aire Police Department.

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.

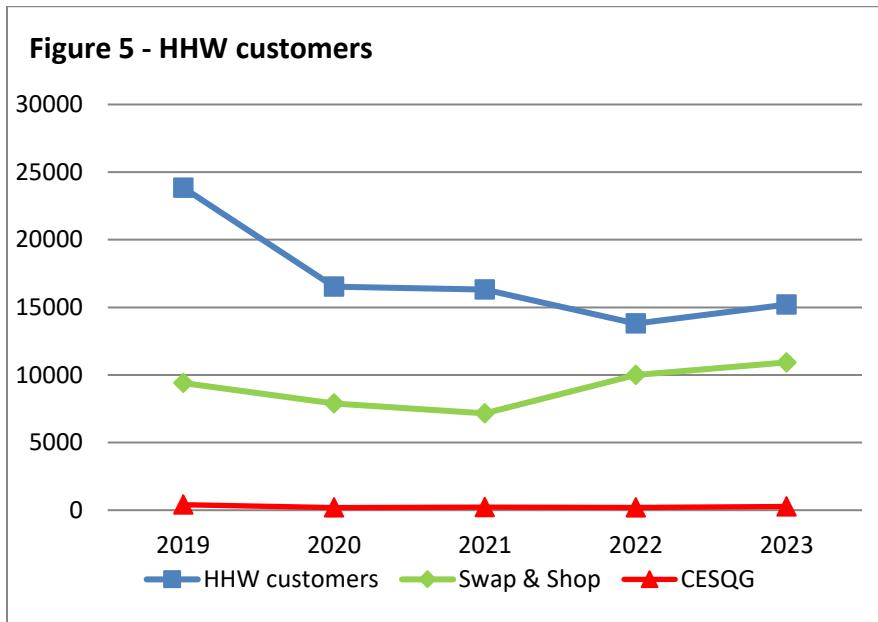
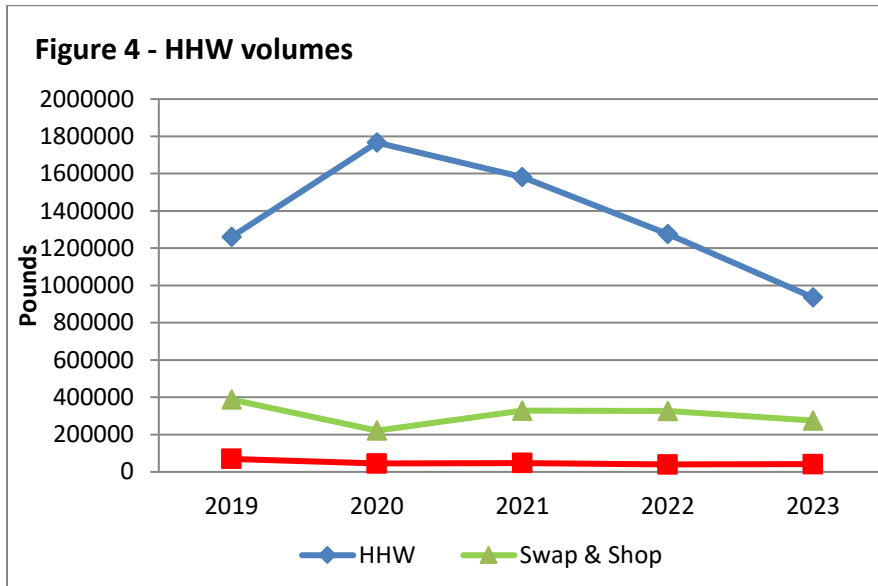
Household Hazardous Waste (HHW)

The Sedgwick County Household Hazardous Waste Facility is located at 801 Stillwell in Wichita, Kansas. In 2023, 15,209 participants brought 935,858 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, 276,089 pounds were reclaimed by 10,928 Swap and Shop customers. Sedgwick County provided five remote collection events in 2023. These locations were Haysville City Hall, Garden Plain High School, Textron Beechcraft, Spirit AeroSystems, and the Walmart at 53rd St. N. and Meridian. HHW volume and customer trends are shown in Figures 4 and 5.

Conditionally Exempt Small Quantity Generators (CESQG)

In 2023, 265 conditionally exempt small quantity generators brought in 41,586 pounds of waste to the Sedgwick County Household Hazardous Waste Facility. HHW volume and customer trends are shown in Figures 4 and 5.

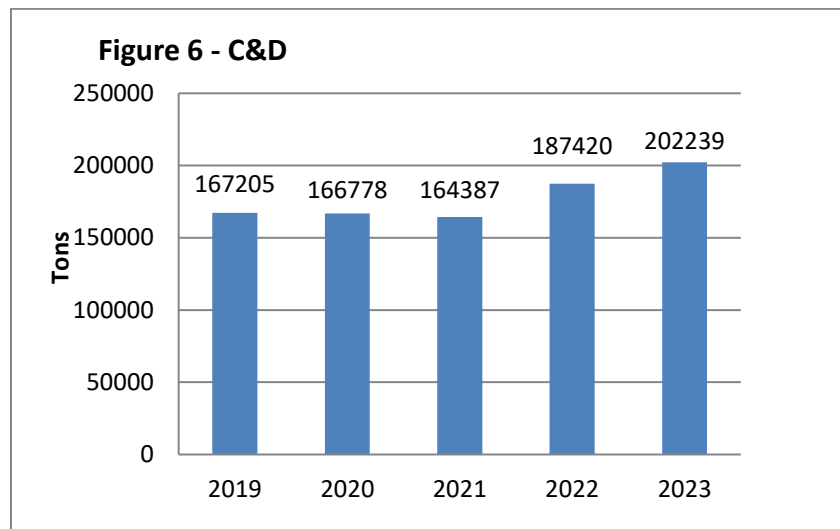


Construction & Demolition (C&D) Materials

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 2023, Brooks C & D Landfill received and buried 106,914 tons of waste and CDR - North received and buried 95,325 tons of waste. The total for all C & D waste buried in 2023 is 202,239 tons. This is an 8% increase from the amount reported the previous year.

Figure 6 shows Sedgwick County C & D Materials disposal trends for the past five years.



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 18, 19, 20 and April 25, 26, 27, 2024 at the Sedgwick County Public Works West Yard. This event was free to all residents and businesses of Sedgwick County, Kansas. The event collected 418,617 pounds of e-waste from 4,075 vehicles.

Christmas Trees

From December 22, 2023 through January 22, 2024, 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 collected and mulched 1,940 trees through this program. This is a decrease of 44.5% from 2023. 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 1,178 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 85 properties in 2023. Vouchers were given to another 39 individuals for self-hauling their items to the local trash transfer stations.

In 2023, 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 12 mattresses, 97 tires and 9.86 tons of material was collected.

Beginning on November 4, 2023 Sedgwick County promoted a bulky waste coupon program. County residents could request a coupon that would pay the disposal fees charged at Waste Connections transfer station for loads up to 1,000 pounds. The coupon is valid for 6 months from the time of receipt. 4,002 coupons were issued. Sedgwick County started the bulky waste coupon program in 2012. From 2012 to 2023, Sedgwick County issued 73,562 bulky waste coupons that were redeemed by 21,801 citizens.

On April 1, 2024, the Sedgwick County Solid Waste Committee approved that the County offer a used mattress disposal coupon program for residents. Each coupon would allow residents to self-haul up to 2 mattresses and/or box springs to Brooks Construction and Demolition Landfill at no charge. The Committee also approved a Waste Tire Roundup Event for 2025. The event would be offered to governments and residents. No businesses will be allowed. There will be a 50-tire limit per residential customer. The Board of County Commissioners approved this at their June 12, 2024 meeting.

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

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 2023 to June 2024.

KDHE GRANT APPLICATIONS

KDHE requires that all grant applications come before the Solid Waste Management Committee. There were two grant applications from June 2023 to June 2024. The City of Wichita applied for a Solid Waste Grant that would go directly to pay for educational materials and volunteer supplies that would put more residents in touch with resources and information on proper disposal of items. Nudge Compost, located at 424 S. Dellrose in Wichita, applied for a Solid Waste Grant to purchase equipment and supplies for its food waste compost business. The grant applications were presented to the Sedgwick County Solid Waste Committee on May 6, 2024. The Solid Waste

Committee approved both of the grant applications as being consistent with our local Solid Waste Management Plan.

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 24, 2023, the Board of County Commissioners voted to keep the Solid Waste Fee and keep the annual residential base rate per dwelling at \$8.38. The fees for non-residential and commercial properties have five tiered rates based on classification standards. Tier 1 is still \$5.33 per parcel. Tier 2 is still \$7.11 per parcel. Tier 3 is still \$8.89 per parcel. Tier 4 is still \$10.67 per parcel. And Tier 5, which is the large malls, is still \$7.11 times the number of tenant spaces located on a single parcel. The Board of County Commissioners also directed staff to form a committee to review the tiers and how the Solid Waste Fee and programs have changed since the first solid waste fee was enacted in 1999. A committee was formed and presented their findings and recommendations to the County Commissioners at a Workshop on February 20, 2024. The recommendations were based on a study showing the amount and type of waste generated, and the usage of the Sedgwick County Solid Waste programs.

On June 12, 2024, the Board of County Commissioners voted to keep the Solid Waste Fee and approve the recommendations by an internal committee that reviewed the various uses for the properties, the volume of waste occurring from the different land uses, and which type of properties use the Sedgwick County Solid Waste Programs. The recommendations for the Solid Waste Fee are to lower the annual residential base rate per dwelling to \$5.00. The fees for High Density Residential are \$4.00 for each dwelling and \$6.35 for High Density Residential with Additional Use for each dwelling. The Solid Waste Fee for non-residential and commercial properties have five tiered rates based on classification standards. Tier 1 is now \$15.63 per parcel. Tier 2 is \$31.25 per parcel. Tier 3 is \$62.50 per parcel. Tier 4 is \$250.00 per parcel. And Tier 5 is \$500.00 per parcel.