

I. INTRODUCTION

The Kansas Department of Health and Environment (KDHE) requires all counties in Kansas to submit a review of their solid waste plan on an annual basis. Sedgwick County’s annual review is due on June 10, 2009. This report reflects solid waste data collected from facilities for calendar year 2008 and any other activities and policy decision made since the last update.

A. DEMOGRAPHICS

Sedgwick County consists of 20 incorporated cities and 27 unincorporated townships. U.S. Bureau of the Census data shows that Sedgwick County’s population in 2000 was 452,869. The population of Sedgwick County was estimated by the Census Bureau to be 476,026 residents in 2007 (the most recent estimate). This is an increase of 5.1% since the 2000 Census.

B. 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 1 member to be the non-voting chair of the committee. The table below identifies the members of the Sedgwick County Solid Waste Management Committee and their associations. The committee meets as business items dictate.

Sedgwick County Solid Waste Management Committee

Name	Resides In	Nominated By	Representing
Nicki Soice, Chair	Wichita	County Commission	Non-voting chair
Steve Dalluge	Wichita	County Commission	Private Industry
Clement Dickerson	Sedgwick County near Haysville	County Commission District #2	Unincorporated Area
Dean Frankenbery	Wichita	County Commission	General Public
Gil Hoover *	Wichita	County Commission District #3	Private Recycling Industry
Nancy Larson	Wichita	County Commission District #1	General Public
Roger Lyon	Wichita	County Commission	Private Recycling Industry

Name	Resides In	Nominated By	Representing
Brenda Melby	Northeast Sedgwick County	County Commission	Unincorporated Area
Jo Oliver	Wichita	County Commission	Recycling Coordinator
Joe Pajor	Wichita	Wichita City Council	1 st Class City
Randy Parker	Valley Center	Sedgwick County Association of Cities	3 rd Class Cities
Kathy Sexton	Derby	Sedgwick County Association of Cities	2 nd Class City
Jim Spencer	Wichita	County Commission	Solid Waste Management Industry
Judith Spor	Wichita	County Commission	Citizen Organizations
Jeff St. Clair	Valley Center	County Commission District #4	Environmental Group
Garry Winget	Wichita	County Commission District #5	General Public

All current committee members' appointment will expire December 2009.

* Term expired January 2009; position has not been filled.

II. MUNICIPAL SOLID WASTE (MSW)

A. MSW COLLECTION

MSW in Sedgwick County is collected by private haulers. However, Sedgwick County has seen that municipal residents pay less and receive more service if solid waste collection is franchised than if it is not. Therefore, Sedgwick County expects all cities in the County to have a solid waste collection contract or franchise in place by January 1, 2011. After that date, the County will determine whether additional steps need to be taken by the County. The franchise or contract agreement must include at a minimum: curbside recycling and volume-based trash rates. Cities are encouraged to include any other programs, such as bulky waste collection, that they deem necessary. Cities should develop the best solid

waste collection contract or franchise to meet the needs of the city and their citizens.

In order to assist cities in their efforts to franchise or contract for MSW collection, Sedgwick County sponsored a Cities Summit regarding Contracting and Franchising of Solid Waste. This was available for any city elected official in Sedgwick County and was held on September 18, 2008. Constance Hornig, an attorney who represents only public entities involved in all aspects of solid waste management (including contracting and franchises), was the principal speaker. Local successes and experiences were also shared. Additionally, a session was held for city managers/attorneys and other interested staff to learn more of the “nuts and bolts” of issuing RFP’s for franchising/contracting MSW collection.

On October 24, 2008, another session was held for interested cities’ staff to learn more specific ideas about what to include in an RFP or contract.

Table 1 depicts city collection arrangements that have occurred since the Cities Summit was held. Changes are shown in Red.

B. MSW DISPOSAL

Waste Connections Transfer Station, located at 4300 W. 37th St. North, reported that 321,493 tons of solid waste were received at their facility during 2008. Waste Disposal Transfer Station, located at 55th St. South and Hoover Road, reported that 126,121 tons of solid waste were received at their facility during 2008. Totally, 447,614 tons of solid waste were received at these two transfer stations during 2008, which is a 3.6% decrease from 2007 when the total received was 464,110 tons.

KDHE has recommended that the utilization of municipal solid waste disposal per person per day be used as the basis for measuring waste reduction. Using the figures listed above, the calculations as prescribed by KDHE for Sedgwick County are as follows:

2008 MSW disposed	447,614 tons
Per day	Divided by 365 = 1,226.34 tons/day
Convert to lbs.	X 2,000 = 2,452,680 lbs/day
Population (2007 estimate)	Divided by 476,026

5.15 lbs. per person per day disposal rate (3.6% decrease from 2007)

Table 1. City Solid Waste Collection/Curbside Recycling Arrangements
March 2009 *

City	Solid Waste Collection Details	Recycling
Andale	Contract with Waste Connections	RecycleBank
BelAire	Contract with Stutzmans, but free to choose other hauler	MSVP CSR \$4/mo weekly collection, City buys bags
Bentley	Contract with Waste Connections	Recycle Bank
Cheney	Franchise with Lies, beginning Jan. 1, 2008	MSVP CSR included with trash, every other week collection
Clearwater	Contract with Waste Connections beginning Aug. 2007 (3 yr. contract)	No
Colwich	Free market, mostly Stutzmans	Included with trash, every other week
Derby	Free market currently; Franchising will begin Sept. 2009	RecycleBank and volume-based trash will begin Sept. 2009
Eastborough	3 year contract beginning July 2006 with Waste Connections	RecycleBank
Garden Plain	Free market, 3 haulers in town	Lies has made special offer for recycling; City Council will consider in Apr/May
Goddard	Free market; new RFP issued for franchising/recycling	RFP includes CSR
Haysville	Free market, requires city license to haul: Waste Connections, Waste Management, Lies licensed	
Kechi	3 yr. Contract beginning Apr. 1, 2009 with Waste Connections; other haulers will honor WC prices, so citizens can keep haulers if they choose	RecycleBank mandatory for all
Maize	Free market	

Mount Hope	Contract with Waste Connections	RecycleBank
Mulvane	Free market, requires city license to haul: Derby Disposal, lies, Waste Connections, Waste Management licensed; Some citizen interest in investigating franchising	
Park City	Contract with Stutzmans, but free to choose other hauler; contract began Jan 2008	MSVP CSR \$4.25 /mo; weekly collection including \$0.25 /mo. Admin. Fee
Sedgwick	Contract with Waste Connections expires in May 2009	MSVP CSR South Central Recycling, \$2.45/mo, pick up 2 times a month, city provides bags
Valley Center	Free market, Stutzmans, Waste Connections, Waste Management	No
Viola	Free market; mostly 1 hauler	No
Wichita	Free market; staff currently investigating options	Staff currently investigating options

CSR – Curbside Recycling

MSVP – Mandatory subscription, voluntary participation

* Updated from November 2008 **Red** indicates changes since that time.

C. WASTE ANALYSIS

As recommended by the Solid Waste Committee and approved by the BOCC, a seasonal waste analysis began at the two transfer stations beginning in November 2008. This week-long waste analysis will be repeated at each of the two transfer stations quarterly for one year and should end in August 2009. The results of this analysis will help to determine the direction of future waste minimization efforts.

III. WASTE MINIMIZATION

A. RECYCLING IN SEDGWICK COUNTY

1. DROP-OFF RECYCLING

Waste Connections continues to provide drop-off recycling bins at area grocery stores around Sedgwick County. The contents are transported to the Waste Connections Recycling Facility on North Ohio Street in Wichita. Materials collected include newspapers, tin and aluminum cans, magazines and catalogs, office papers, and #1 and #2 plastic bottles.

In addition, International Paper (formerly Weyerhaeuser Recycling) 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 a greater variety of recyclables including most types of plastic containers, plastic bags, mixed paper, metals, books, and glass. Their hours are limited to 1 p.m. – 4 p.m. Tuesday and Thursdays and 9 a.m. – 3 p.m. on Saturdays.

2. CURBSIDE RECYCLING

Currently, in Sedgwick County, residential curbside recycling is provided by trash haulers for an additional fee. Recyclables are taken to International Paper, Waste Connections Material Recovery Facility, and also to Harvey County's Material Recovery Facility. In fall 2008, Waste Connections announced a partnership with RecycleBank that changes the way curbside recycling is handled for Waste Connections customers.

Beginning in January 2009, large 96-gallon recycling carts with an RFID chip (tied to the customers' address) were delivered to all Waste

Connections customers. Customers began using this cart for all their recyclables with no separation necessary. The type of recyclables accepted also increased. Items accepted include newspaper, office papers, “junk mail”, magazines and catalogs, corrugated cardboard, food-type boxes, all plastic containers (except Styrofoam), and glass.

When the carts are emptied into the recycling truck, they are weighed and the weights are recorded by address. The customer receives points for every pound of recyclables and these points can be exchanged for discounts at area retailers or on-line.

The impact of RecycleBank is shown with the following comparison of the amount of recyclables collected:

Jan – March 2008	84 tons
Jan – March 2009	445 tons

3. AMOUNT RECYCLED IN SEDGWICK COUNTY

Waste Connections Recycling Facility reported that they received 12,343 tons of materials for recycling in 2008 while International Paper reported receiving 29,955 tons in 2008. ProKansas Miller Recycling Center reported approximately 1,000 tons. The total reported by the three facilities in 2008 is 43,298 tons. This is a 4.4% increase over the amount reported in 2007.

IV. MANAGEMENT PROGRAMS FOR SPECIFIC WASTES

A. HOUSEHOLD HAZARDOUS WASTES

Since October 5, 2002, the Sedgwick County Household Hazardous Waste Facility has been located at 801 Stillwell in Wichita, Kansas. Current hours are 9 a.m. – 5:30 p.m., Tuesday-Friday and 9 a.m. – 3 p.m. on Saturday.

In 2008, 18,736 participants brought 1,165,292 pounds (583 tons) of materials to the HHW Facility. This is a 7.7% increase from the amount brought in during 2007. The number of participants increased by 16.7% from 2007 to 2008. Of the 2008 amount, 908,149 pounds (454 tons) was recycled (78%).

Also in 2008, 5,291 customers took home 178,029 pounds (89 tons) of materials from the Swap and Shop, which is a 1.6% increase in the amount taken home from 2007 to 2008. The number of customers taking materials home from the Swap and Shop increased by 22% from 2007 to 2008.

B. SMALL QUANTITY GENERATORS (SQG) OF HAZARDOUS WASTE

KDHE considers businesses generating less than 25 kg (55 lb.) per month of hazardous waste, or less than 1 kg (2.2 lb.) of acutely hazardous waste per month, or which accumulate no more than 1000 kg (2205 lb.) of hazardous waste, or 1 kg (2.2 lb.) of acutely hazardous waste, to be exempt small quantity generators. In 2008, 215 small-quantity generators (SQGs) brought in 77,519 pounds (39 tons) of waste to the Sedgwick County Household Hazardous Waste Facility, which is a 17.8% increase from 2007. This large increase occurred even though the number of small-quantity generators using the HHW Facility increased by only 2.3%.

C. CONSTRUCTION & DEMOLITION (C & D) MATERIALS

During 2008, the construction and demolition landfills in Sedgwick County reported the following amounts as being buried in C & D landfills:

Brooks C & D	91,165 tons
CDR – North	30,944 tons
CDR – South	46,276 tons

CDR reported that 30,943 tons of concrete, tree and wood waste, and iron and metal were pulled from C & D waste and recycled.

The total for all C & D buried in 2008 is 168,385 tons. This is a 2.7% decrease from the amount reported in 2007.

D. CHRISTMAS TREES

In 2008, Sedgwick County provided 20 sites throughout the County for residents to drop off Christmas trees. Residents were also invited to take free mulch home with them. In addition, some small cities in Sedgwick County also operate their own Christmas tree disposal program. The number of trees disposed through this program in 2008 was 5,649, which was a 1% increase from the previous year.

E. ELECTRONIC WASTE (E-WASTE)

Because of the change to digital TV's scheduled for February 2009, and the thought that that event would result in many new TV's being purchased and the further need for disposal of old ones, Sedgwick County held a one-day e-waste collection event for Sedgwick County residents on

January 24, 2009. This event was scheduled from 9 a.m. – 4 p.m., but the reality was that it began at 8:30 a.m. and ended at 6:23 p.m. Two thousand six hundred and twenty (2,620) vehicles brought in a total of 1,144,163 pounds of e-waste during this event. This included 6,915 TV's and 6,783 computer monitors. Data from this event will be used to do further research on a more permanent solution for e-waste disposal. (A complete report of the E-Waste Event can be found in Appendix A.)

F. 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. In January 2009, two potential permits came before the local solid waste management committee. They were:

Cornejo and Sons, 3299 SE Boulevard, Wichita, Kansas. On January 5, 2009 the Solid Waste Management Committee reviewed the application for a C & D landfill modification to fill a 4-acre area that had been acquired. The expansion would encroach on the 150 foot buffer area. The Committee found that the permit application conforms to the Sedgwick County Solid Waste Management Plan and that the committee supports the application. On January 21, 2009, the BOCC found the proposed permit application for the extension of the C & D landfill to be consistent with the Sedgwick County Solid Waste Management Plan.

Cornejo and Sons, 3299 SE Boulevard, Wichita, Kansas. On January 5, 2009 the Solid Waste Management Committee reviewed the application for a C & D transfer station at 3299 SE Boulevard. The materials would be transferred to the C & D landfill located at 4250 W. 37th Street North. After much discussion, the Committee asked that the permit application be tabled until the next meeting and that county staff be directed to work on an update to the Solid Waste Management Plan and regulations for C & D transfer stations. On April 6, 2009, the Committee asked that a parallel set of regulations for C & D transfer stations be prepared that are consistent with the proposed regulations that were provided by County staff on April 6, 2009.

On May 18, 2009, one potential permit will come before the local solid waste management committee. It is:

Universal Lubricants, LLC, 2824 Ohio, Wichita, Kansas. Universal is currently permitted to operate a used oil recycling and reclamation facility. Universal is now proposing to accept oily wastewater at their facility. Oil from the wastewater will be reclaimed and the wastewater will be treated in the re-refinery's on-site wastewater treatment

system before being discharged to the sanitary sewer. This item will be heard by the BOCC on May 20, 2009.

G. KDHE GRANT APPLICATIONS

KDHE requires that all grant applications come before the Solid Waste Management Committee. In July 2008, the following grant applications came before the local solid waste management committee. They were:

City of Cheney, Playground Surface/Tire-Derived Products Grant Program. On July 7, 2008, the Solid Waste Management Committee reviewed this grant application for crumb rubber around the swimming pool and found that it conforms to the Solid Waste Management Plan and that the committee supports the application.

Halstead/Bentley USD 440, Playground Surface/Tire-Derived Products Grant Program. On July 7, 2008, the Solid Waste Management Committee reviewed this grant application for waste-tire derived “chips” on an existing playground at the elementary school in Bentley. The Committee found that it conforms to the Sedgwick County Solid Waste Management Plan and that the committee supports the application.

USD 312 and Kid’s Depot, Playground Surface/Tire-Derived Products Grant Program. On July 7, 2008 the Solid Waste Management Committee reviewed this grant application for shredded rubber on the playground of a preschool located in Mt. Hope. The Committee found that it conforms to the Sedgwick County Solid Waste Management Plan and that the committee supports the application.

Kelly Elementary PTA, Playground Surface/Tire-Derived Products Grant Program. On July 7, 2008 the Solid Waste Management Committee reviewed this grant application for benches for their playground area and reading area made of recycled rubber products. The Committee found that it conforms to the Sedgwick County Solid Waste Management Plan and the committee supports the application.

In April 2009, the following grant applications came before the local solid waste management committee. They were:

Circle USD 375, Playground Surface/Tire-Derived Products Grant Program. On April 6, 2009, the Solid Waste Management Committee reviewed this grant application for playground mulch for the planned Greenwich Elementary School. The Committee found that it conforms to the Sedgwick County Solid Waste Management Plan and the committee supports the application.

City of Derby High Park North Playground, Playground Surface/Tire-Derived Products Grant Program. On April 6, 2009, the Solid Waste Management Committee reviewed this grant application for poured-in-place playground surfacing for High Park North Playground. The Committee found that it conforms to the Sedgwick County Solid Waste Management Plan and the committee supports the application.

V. PUBLIC EDUCATION

Sedgwick County continues to make numerous efforts to inform and educate citizens and businesses about issues relative to solid waste in Sedgwick County. In 2008, “Environmental Tip of the Day” ads were placed in the Wichita Eagle over the course of many months to inform citizens of environmental habits. Additionally, direct mail notifications were sent to several targeted areas concerning the Household Hazardous Waste Facility.

VI. SOLID WASTE FEE

Sedgwick County utilizes a Solid Waste Fee to help fund certain components of the Solid Waste Plan. In determining the amount of the Solid Waste Fee, Sedgwick County considered which sector would benefit from certain solid waste programs, the various uses of the real property, and the associated wastes produced by the properties. Sedgwick County decided to continue utilizing the ad valorem tax statement as a means to bill property owners for the Solid Waste Fee. The Board of County Commissioners approved the Solid Waste Fee for fiscal year 2009 on June 25, 2008. The annual residential base rate for 2009 was set at \$4.04, which is an increase of 39 cents from the previous year. A copy of this resolution may be found in Appendix B.