



Atchison County Commission Meeting

Atchison County Courthouse
423 North 5th St
Atchison, Kansas 66002
[March 30, 2016]
AGENDA

Commissioner Jeff Schuele, 1st District

Commissioner Eric Noll, 2nd District

Chairman Henry W. Pohl, 3rd District

1. Call To Order

The County Commission is called to order by the Chairman

2. Presentation And Approval Of Claims

3. Pledge Of Allegiance

4. Reading And Approval Of Minutes

Approval of Minutes from Last commission meeting

4.1. Commission Minutes, March 22, 2016

**Disclaimer-This document represents the "unofficial" minutes of the Atchison County Board of Commissioners. At this point it is a working document and does not become official until the Board approves the minutes at a subsequent meeting. It is to be used for informational purposes only.*

Documents: [03222016.PDF](#), [ATCO SWMP 2015.PDF](#)

5. Commissioner Comments And Committee Reports

6. Reports Of Elected Officials And Department Heads

7. New Business Before The Board

7.1. 9:00 AM County Government Day

9:00 am til 10:00 am County Government day festivities in Large Courtroom

7.2. 10:30 AM Wes Lanter, Emergency Management And IT Director

lease purchase opening rescue truck

7.3. 11:00 AM Peggy House, Administrator Of The Atchison Senior Village

Monthly update on Atchison Senior Village

8. Old Or Unfinished Business Before The Board
- 8.1. Benedictine College IRA Education Revenue Bonds
Discussion to approve
9. County Counselor Updates
10. Public Comment
11. Executive Sessions (Time Reserved For Executive Sessions)
12. Presentation Of Petitions, Memorials, And Remonstrance's
13. Introduction And Consideration Of Resolutions
14. Notices And Communications
15. Adjournment

Tuesday, March 22, 2016

Pursuant to the law the board met in Regular Session at 1:00 pm on the 1st floor of the courthouse with Chairman Bill Pohl calling the meeting to order, with Commissioner Eric Noll and Commissioner Jeff Schuele present, and County Counselor Pat Henderson also present. County Clerk Pauline M Lee recorded the minutes.

Board opened the meeting with reciting the pledge of allegiance.

Minutes of March 15th were reviewed, Commissioner Noll said on Page 3 paragraph 2 correction on word from latter to later, Commissioner Noll made the motion to approve with correction, Chairman Pohl second and called for a vote, both voted aye, motion carried, 2-0, Commissioner Schuele was not present for the March 15th meeting.

Committee Reports – Commissioner Noll said the he attended the NEK Cap meeting and nothing new to report.

Chairman Pohl said that there will be a Project Concern meeting at 1:00 pm Wednesday.

Commissioner Schuele said that had a Solid Waste Committee meeting, looked over the Solid Waste Management Plan, talked about past due tipping fees, letters to go out, recycling containers at Transfer Station.

David Spain, Lancaster City Councilperson appeared concerning speed limit on Broadway street, City of Lancaster has reduced speed on all of their streets to 20 mph, would like for the county to reduce Broadway to 20 mph, Seth Howard, Road and Bridge Superintendent said he had problem with reducing but would like to discuss it with Sheriff Laurie before Commissioners pass a resolution.

Seth Howard, Road and Bridge Superintendent appeared with the last two Permanent Drainage easements on the Dennis Bell project, Betty L and William Dennis Donaldson and Mark A. and Sandra E. Reno, Commissioner Schuele made a motion to approve the easements and to have Chairman Pohl sign in behalf of the county, Commission Noll second with Chairman Pohl calling for a vote, all voted aye, motion carried, 3-0.

Seth told the board that starting May 1st will be going to 10 hour days.

Seth had bids on culvert replacement on 286th road west of Greeley Road, Commissioner Schuele made the motion to open the bids as presented, Commissioner Noll second with Chairman Pohl calling for a vote, all voted aye, motion carried, 3-0.

Marlatt Construction, Atchison - \$15,040.00

Martin Construction- \$17,500.00

Wagner Excavating, \$28,577.50

Commissioner Schuele made the motion to accept the bid from Marlatt Construction in the amount of \$15,040.00 for culvert replacement on 286th and west of Greeley Road, Commissioner Noll second with Chairman Pohl called for a vote, all voted aye, motion carried, 3-0.

Wes Lanter, Emergency Management and IT Director appeared with a purchase order on replacing the north side and part of the west on the EMS building, Siding is rotting and would replace with painted tin, only got one bid from Kearney Construction since he was doing the painting. Chairman Pohl said he would of liked to see another bid, Wes said he only got the one since Kearney was awarded the first construction bid and still had to do the painting, Commissioner Noll made a motion to approve the bid of \$5940.00 on siding replacement on the north and west side of the building, Commissioner Schuele second with Chairman Pohl calling for a vote, all voted aye, motion carried, 3-0.

Staci Joice, Solid Waste Manager appeared with the annual Solid Waste Management Plan review,
Section 1. Committee Members

Atchison County has established an Atchison County Solid Waste Management Planning (ACSWM) Committee as required under K.S.A. 65-3405. Membership and representation on the committee is spelled out in the Statutes. The committee is required to have no fewer than five members. Limits are placed on the number of representatives for incorporated cities. At least one member is to be from an unincorporated area of the county. The following is the designated representation structure for the ACSWM Committee:

City of the 1st Class	Derek Franklin, Chairman Jack Bower Trey Cocking
Cities of the 3rd Class	Margaret Jacobs Steve Caplinger
Atchison County Commissioner	Jeff Schuele
Atchison County Solid Waste Manager/Committee Secretary	Staci Joice
Representative of Recycling	Justin Pregont
Representative of Unincorporated Areas	Mike Stec, Vice Chairman Henry Scherer
Representative of the General Public	Steve Wiseman
Representative of Private Industry	Austin Martin Rick Stark

Section 2 Change in transportation business name

Deffenbaugh Industries Incorporated (now Waste Management) for transportation and disposal from the facility. In addition to the transfer stations, Atchison County owns and operates a Construction and Demolition Landfill as well as a Tire Monofill.

Section 2, D- changes occurred during 5-yr update

Individual residents are charged when they bring in loads that exceed 1,000lbs, (Change to 2000lbs on January 1, 2016.) in either a single load or multiple loads in a day. (Month)

Main Transfer Station Operations;

Demolition and Construction added to current policy- Current disposal method is as follows: Customers are required to stop at the scale house and fill out a form asking for the required names and addresses of the origin of the waste and the hauler. They then proceed to the Transfer Station building where the load is screened to insure that it only contains construction demolition debris. The customer then is sent to the CDL and unloads. After unloading they return to the scale house to return the form and get an empty weight.

Staci will type a letter to KDHE and forward them a copy of the Solid Waste Management plan along with copy of the commissioner minutes approve the plan review.

Chairman Pohl asked Staci about tarping, Staci said any changes on plan were 2015, once there is a plan for 2016 on tarping they would then put it in next year. Commissioner Noll made a motion to approve the annual renewal of the Solid Waste Management Plan as reviewed, Commissioner Schuele second with Chairman Pohl calling for a vote, all voted aye, motion carried, 3-0.

Staci told the board she received a letter from Tire Town Inc, Leavenworth on tire trailer for the Atchison Spring Clean up on April 23rd, \$700 per trailer if needed can have another trailer, rear farm tires need to be put to the side and would be more money.

Board talked to Staci about the recycling bins, Commissioner Schuele and the other commissioners are getting emails from people that want the bids left, Commissioner Schuele said he feels that need to have a long term plan in place on recycling. Staci told the board that it is only 4 more miles to the transfer station, don't want to drive out there, Commissioner Noll said he would be in favor of three addition months at the old recycling center but if people start abusing by putting trash in bins etc. it will be closed. Possibly need someone to monitor the bins. Staci said it cost \$171 every time it is picked up around \$10,000 year. Commissioner Schuele said need signage, Staci said that there is signage under each window as to what goes in the bin. Commissioner Schuele said another three months and have Staci check on what it would cost to own equipment but need signage.

Staci brought up to the board about transferring equipment between Transfer Station and Road and Bridge Superintendent, 2005 Freightliner truck and Transfer Station on a 2001 JD 410G Back Hoe, and to swap among them, value of \$20,000 each piece, Staci said Solid Waste Committee approved the transfer, Commissioner Schuele made a motion to swap the equipment between Road and Bridge and Transfer Station, Commissioner Noll second with Chairman Pohl calling for a vote, all voted aye, motion carried 3-0.

Joe Bowen, Maintenance appeared to talk to the board about the 1st floor restroom and the appraisers office restroom, Commissioner Noll said he went down to look at the one in the appraisers office, he asked about hot water, Joe said it would cost around \$1260.00 for an instant hot water tank, Joe was asking who would pay for the improvements, it is not in his budget, Board said Appraiser would have to pay for the flooring and paint and county general would pay for the 1st floor restroom.

Board discussed the letter from the Internal Revenue Service on compliance on the Atchison County, KS Sales Tax Revenue Bonds, Series 2007 A issued on 3/29/2007, Commissioner Schuele made a motion to hire Gilmore and Bell as bond counsel for the county, Commissioner Noll second with Chairman Pohl calling for a vote all voted aye, motion carried, 3-0, County Clerk will notify Gilmore and Bell and Marty Crimpoli, IRS agent of the boards decision.

Board will discuss a county representative on the Juvenile Corrections Advisory Board (JCAB).

Commissioner Noll made a motion to adjourn at 2:57 pm with Commissioner Schuele second with Chairman Pohl calling for a vote, all voted aye, motion carried.

Attest: Pauline M Lee, County Clerk



ATCHISON COUNTY SOLID WASTE MANAGEMENT PLAN

2015

FIVE YEAR UPDATE

February 24, 2015

Atchison County Solid Waste Management Plan 5 year Update.

Section 1. Administrative Information

A. Atchison County Solid Waste Management Planning Committee

Policy on Committee Structure and Terms

Atchison County has established an Atchison County Solid Waste Management Planning (ACSWM) Committee as required under K.S.A. 65-3405. Membership and representation on the committee is spelled out in the Statutes. The committee is required to have no fewer than five members. Limits are placed on the number of representatives for incorporated cities. At least one member is to be from an unincorporated area of the county. The following is the designated representation structure for the ACSWM Committee:

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- B. Documentation of Hearing
 - a. Public Notice (Attachment A)
 - b. Atchison County Resolution 2015-1405 (Attachment B)
 - c. Atchison County Commission Meeting Agenda And Minutes (Attachment C)

- C. Planning Review
 - a. Atchison County currently does not have a Comprehensive Land Use and Zoning Codes plan. However, there has not been any expressed interest either by individual businesses or by the County Commission to build any new solid waste facilities beyond the current plan. Solid Waste Management activities within the City of Atchison have been reviewed by their appropriate parties.

- D. Emergency planning
 - a. The Atchison County Solid Waste Department owns and operates two transfer stations as well as a construction and demolition debris landfill that will be designated for end disposal areas in the event of any emergency.

Section 2. County Description of Solid Waste Management

A. General County Description

Study Area

Atchison County is located directly south of Doniphan County which is the northernmost and easternmost county in Kansas. Atchison County encompasses an area of about 276,480 acres or 432 square miles. Atchison County had a 2012 census population of 16,813. The County is bordered on the north by Doniphan and Brown Counties, on the east by Buchanan and Platte Counties in Missouri, on the south by Leavenworth and Jefferson Counties, and on the west by Jackson County. The region location map is included as Table 1

Solid Waste Management Facilities

In 1994, Atchison County constructed a two municipal solid waste transfer stations to facilitate the transport of Municipal Solid Waste (MSW) to the Deffenbaugh landfill located in Johnson County, Kansas. Atchison County owns and operates the transfer stations and contracts with Deffenbaugh Industries Incorporated (**now Waste Management**) for transportation and disposal from the facility. In addition to the transfer stations, Atchison County owns and operates a Construction and Demolition Landfill as well as a Tire Monofill.

Incorporated Cities within Atchison County

The cities in Atchison County are listed in Table 1. The population of Atchison County is largely rural with a majority of the population located in the city of Atchison. Agricultural activities contribute heavily to the economic base of the county. The larger communities in the county do, however, have a diverse range of businesses that contribute significantly to the economic base of the region.

Table 1

ATCHISON COUNTY STATISTICAL DATA			
City	Population 2010	City Class	Governmental Structure
Atchison	11,021	1st	Mgr-Com.
Effingham	546	3rd	Mayor-Council
Huron	54	3rd	Mayor-Council
Lancaster	298	3rd	Mayor-Council
Muscotah	176	3rd	Mayor-Council
Unincorporated	4,199	N/A	N/A
County Total	16,924	N/A	Board of Commissioners

Source: United States Census Bureau, 2010

Demographics

The population density of Atchison County as reported by the US Census Bureau 2010 is 38.92 persons per square mile. Overall Atchison County is rural in character. However, a majority of Atchison County's population is located in urban areas. Tables 2 and Table 3 depict population projections and distribution within Atchison County. The population of Atchison County remains relatively stable throughout the year with slight fluctuations related primarily to agricultural labor needs. The county sustains some short term recreational population increases related primarily to hunting and fishing but these increases are minor and do not have a significant impact on the MSW management system. Population projections were obtained through the Kansas Statistical Abstract 2012 which projects a - 2.1% population decrease over the period of 2010-2040. Table A.1-2 shows the five-year incremental population projections for Atchison County.

Table 2

POPULATION PROJECTIONS OF ATCHISON COUNTY (2010-2030)								
Year	2010	2015	2020	2025	2030	2035	2040	%Change 2000-2030
Population	16,924	16,860	17,081	17,220	17,166	16,914	16,565	-2.1%

Source: *Kansas Statistical Abstract 2012, Atchison County.*

Table 3

URBAN VS. RURAL POPULATION						
County	Urban Population			Rural Population		
	2000	2010	% Change	2000	2010	% Change
Atchison	10,487	11,444	+0.08%	6,287	5,780	-0.09%

Source: *Kansas Statistical Abstract 2012, Atchison County.*

Geography

It is the intent of this section to briefly describe the geographic characteristics of Atchison County to provide a basic physical description of the area. Atchison County is not considering the construction of a new municipal solid waste landfill and therefore this study will not address the county's ability or lack thereof to meet various Subtitle D landfill location criteria. Atchison County is in extreme northeast Kansas. The total land area Atchison is 432 square miles and represents approximately 0.5% of the total land area in Kansas. Atchison County is bordered on the east by Buchanan and Platte Counties in Missouri, on the south by Leavenworth and Jefferson Counties, on the west by Jackson County, and on the north by Doniphan and Brown Counties. The longest north-south distance across the county is 16 miles while the longest east-west distance is approximately 32 miles.

The total 2010 population for the county was 16,924 which is approximately 0.1% of the total population of Kansas. Approximately 65% of the county's total population is located in the City of Atchison. The average population density for the county region is 38.92 people/square mile which is slightly above the state's average population density of 34.9 people/square mile. With the population of the city of Atchison removed from the density calculation, the average population density is approximately 12.21 people/square mile. The geography of the region consists of rounded hills and broad valleys. The entire region is part of the glaciated region of Kansas. The agriculture of the region consists primarily of row crops.

Climate

The area has a climate which is identified as continental and is typical of the interior of large land masses located in the middle latitudes. The temperature of the area ranges from average January lows of around 20 degrees F to average July highs of approximately 90 degrees F. The thirty-year average rainfall for the region is between 35 and 36 inches per year. Monthly rainfall averages range from a low of approximately 0.80 inches/month in January to a high of approximately 5 inches/month in June.

Geology and Hydrology

It is not the intention of this plan to be site specific and, therefore, both the soils and the geology are discussed in a general way.

The United States Department of Agriculture Soil Conservation Service produces soil surveys for each county in Kansas. These surveys provide descriptions of the specifics of the soil in each respective county. In general, the entire area is covered by the Deep Loess Hills Land Resource Area and the Loess-Drift Hills Land Resource Area. The Deep Loess Hills Area contains a landscape of steep hills and deeply entrenched valleys with soils that are deep to moderately deep with a silty or loamy subsoil. The Loess-Drift Hills Area ranges from nearly level to moderately steep with soils that are generally deep and formed in loamy glacial till or silty loess. The topography of the region varies widely enough to preclude generalizations regarding groundwater. Specific groundwater information should be obtained regarding any future solid waste facility siting.

Summary

The physical geography of the area will not in and of itself eliminate the development and/or expansion of solid waste management systems or facilities. However the uniqueness of the region dictates that site specific studies be undertaken to determine compliance with various design and operational criteria regarding potential MSW facilities.

B. Solid Waste Tonnage

The Annual tonnages for Atchison County in the past five years have decreased every year. Conceivably, this could be attributed to the decline in consumer and commercial spending do the Economic Recession of 2008.

The following tables present the annual tonnages from Atchison County for Municipal Solid Waste (MSW) and Construction & Demolition from 2009 to 2014.

Table 4
Monthly Totals MSW (Tons)

	2009	2010	2011	2012	2013	2014
Jan	970.65	911.64	810.97	871.93	795.17	675.71
Feb	993.78	746.44	802.49	868.41	675.21	567.1
Mar	1134.9	1193.44	1011.15	912.86	753.06	724.22
Apr	1170.7	1247.51	996.79	932.25	929.64	815.46
May	1196.2	1154.68	1074.96	988.38	1000.84	854.09
June	1126.2	1283.53	1035.78	863.17	891.99	844.33
July	1293.3	1244.1	956.31	871.83	883.87	819.24
Aug	1283.8	1130.75	1150.1	929.19	894.97	838.35
Sept	1325.4	1212.29	1025.16	868.39	851.57	763.71
Oct	1128.2	1413.42	979.17	935.15	895.6	767.57
Nov	1019.2	1099.43	1034.43	869.04	768.37	538.48
Dec	923.1	872.41	975.91	705.26	796.86	700.23
Total/ Yr	13565.43	13509.64	11853.22	10615.86	10137.15	8908.49
Y2Y % Change	-	-0.4%	-14.0%	-11.7%	-4.7%	-13.8%

Table 5

	Monthly Totals CD (Tons)						
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	
						<u>Commerical</u>	<u>Teardowns</u>
Jan	19.82	0	7.35	359.56	140.08	86.60	
Feb	0	18.51	4.77	126.13	127.51	42.70	
Mar	0	53.45	47.82	131.61	81.15	203.92	
Apr	151.03	53.34	98.38	183.23	581.01	107.43	
May	10.83	11.61	225.42	550.95	408.97	200.75	
June	327.72	34.51	94.74	391.22	164.11	207.63	204.36
July	177.99	39.43	61.58	241.8	344.85	181.46	142.33
Aug	24.24	515.56	33.41	378.64	73.62	138.02	46.54
Sept	0	78.51	940.16	139.43	346.33	106.58	
Oct	41.21	29.17	238.39	205.58	486.03	143.16	38.44
Nov	0	185.46	473.92	142.51	185.48	56	
Dec	27.17	30.56	166.18	365.54	320.94	63.96	
Total	780.01	1050.11	2392.12	3216.2	3260.08	1538.21	431.67
						1969.88	

C. Solid Waste Characteristics

Table 6

COUNTY	2014 GENERATION (TONS) ¹	POPULATION ²	PER CAPITA GENERATION ³	NATIONAL AVERAGES ⁴ (2012)
Atchison	8,908.49	16,924	3.0 lbs./day	4.38 lbs./day

Notes: ¹ Source: Atchison County Solid Waste Department
² Source: Extrapolated from Table 1
³ Ton (2,000) x 2014 tonnage/Population/365
⁴ Source: EPA

Table 7

MATERIAL	EPA Estimates (2007) ¹	Atchison MSW Tonnage ²
Paper and Paperboard	32.70%	2,913.08
Glass	5.30%	472.15
Total Metals	8.20%	730.50
Plastic	12.10%	1,077.93
Rubber and Leather	7.60%	677.05
Wood	5.60%	498.88
Food Wastes	12.50%	1,113.56
Yard Wastes	12.80%	1,140.29
Misc. Wastes	3.20%	285.07
MSW	100%	8,908.49

Notes: 1. EPA MSW Composition Study, 2007
2. Atchison County Solid Waste Department; Annual 2014 Tonnage

D. Changes occurred during 5-yr update

In 1993, Atchison County voters approved a county-wide one cent sales tax to fund the Joint Communications Department and the Solid Waste Department. That was the sole funding source for the Solid Waste Department until 2012. In June 2012, the Board of County Commissioners approved the creation and implementation of a supplementary funding mechanism in addition to the sales tax, which had become financially and politically problematic. This supplementary funding source was to come from annual solid waste volume assessments, which were based on variables such as size and frequency of dumpster pickups, and/or approximations based on like sized or similar type of enterprises. In June 2013, the County Commission voted to transition from the solid waste assessment funding source to a tipping fee at the Atchison County Transfer Station, beginning January 1, 2014.

The tipping fee system was set in place with a \$35.00 per ton rate which is applied to MSW, C&D, and Comingled Recyclables. The fee is applied to businesses on a per month accrual, where all amounts brought in throughout the month are recorded and charged to the account at the end of the billing period. Individual residents are charged when they bring in loads that exceed 1,000lbs, (Changed to 2000lbs on January 1, 2016.) in either a single load or multiple loads in a day. (Month) This tipping fee is charged and collected to pay for the tonnages that are loaded onto Deffenbaugh Trailers and sent to the Johnson County Landfill. The sales tax is collected and applied to the Solid Waste Department's fixed costs such as Salaries, Employee Benefits, Commodities costs and smaller contractual costs.

This system allows to County Solid Waste Department to charge the minimal amount for a tipping fee while still allowing individual residents to bring smaller loads to the Transfers Station without being charged a tipping fee, because presumably every County resident pays into the system via the sales tax. This system also allows the Department flexibility to charge based on usage off the services, instead of trying to budget annually based on projections.

The Solid Waste Department is presumably going to be funded with this Tipping Fee/Sales Tax combination for the foreseeable future. Two possible problems have been identified that could possibly affect this system. The first is the possibility that the one-cent sales tax could be put back on the ballot for a county wide vote. If, in the event the sales tax is voted down, it is presumed that the costs covered by the sales tax will either be transitioned to property taxes or will be covered by an increased tipping fee. The second identified issue that would prompt a change to the system would be if the annual amount of MSW that is brought to the Transfer Station by individuals would increase to a 'statistically significant' amount. If it is deemed that the Solid Waste Department is not capturing enough of its' revenues as a result to the 1,000lb (2000lb) self-haul allowance, that allowance could possibly be lowered to bring revenues in line with costs.

E. SW management changes in the next 10 years

- a. The Construction and Demolition Debris landfill is in the process of revising its' permit and operating plan that will allow an additional 134,000 yd³ of volume capacity, which is approximately 10 years' worth of added capacity. In the next 10 years, Atchison County has the ability to budget for future closure costs of the current site, as well as budget and plan for the next Construction and Demolition Debris Landfill site.
- b. The City of Atchison is scheduled to fully transition to Automated Side Loader (ASL) trash collection truck on January 1, 2015. On March 26, 2014 the City of Atchison passed Ordinance Number 6474, which repealed existing Solid Waste Management ordinances and replaced them with new ones in order to accommodate the transition to an automated pickup system. The City has issued its residents a standard 95 gal. cart for household trash, and will have issued another set of carts for curbside recycling by the end of the year. The City will use a comingled stream that will include
 - i. Mixed paper
 - ii. Old Newsprint
 - iii. Plastics #1-#7
 - iv. Tin and Aluminum cans
 - v. Old Corrugated Cardboard
- c. At this point, the City is not going to accept glass into its comingled stream. Future inclusion will depend on the contracted disposal company's willingness to accept this material. If inclusion into the recycling stream is not viable, the City of Atchison is looking into

F. Nuisances and Pollution

- a. The Atchison County Solid Waste Department takes great pride in the maintaining the appearance and cleanliness of both of its Transfer Stations. The County has not had any systemic issues with widespread littering and pollution, just the occasional illegal dumping of trash. It was perceived by the Commission and the Solid Waste Committee that implementing the tipping fee at the Transfer Stations would result in an increase in illegal dumping throughout the County, and that it would eventually cause systemic problems. To date, there has not been any increase in illegal dumping activity.

As previously mentioned, Atchison County is does not have a comprehensive land use plan (un-zoned county), so property owners have the ability to use the land with restrictions. This inherently invites potential pollution issues and does not provide any enforcement solutions. Future Solid Waste Management for both the urban and rural areas may need to illicit some sort of land use restrictions, if issues do present themselves.

Section 3. Waste Sources and Disposal

Atchison County currently owns and operates two Transfer Station Facilities. Accepted wastes are either transferred into roll-offs or trailers and transported by vendors or are processed in the appropriate County operated Landfills (C&D or Tire Monofil)

The Atchison County Transfer Station is located at 8575 Neosho Rd, Atchison KS 66002. This is the main facility of the County's solid waste department. The facility is open Monday-Saturday, 8:00 AM – 4:00 PM. Wastes accepted at this facility include:

- Municipal Solid Waste (MSW)
- Construction and Demolition Debris (C&D)
- Comingled recyclables
- Household Hazardous Waste (HHW)
- Glass
- Scrap metal
- Yard Waste

The Effingham Transfer Station is located 9803 US Hwy 159, Effingham, KS 66023. This is a satellite facility of the Solid Waste Department, and is open Wednesday and Saturday, 8:00 AM-4:30 PM. Waste accepted at this facility includes.

- Municipal Solid Waste (MSW)
- Scrap metal
- Household Hazardous Waste (HHW)
- Comingled recyclables
- Tire Monofill (permit #233)

Atchison County has service contracts with the following vendors:

Advantage Metal

Scrap Metal taken to various locations

510 Walnut St, suite 300

Kansas City M O 64106

ANNUAL SERVICE AGREEMENT

Deffenbaugh Industries Incorporated (DII) (now Waste Management)

MSW Transported to Johnson County Landfill

7955 Holliday Drive

Shawnee KS 66111

Comingled Recycling transported to Deffenbaugh Recycling Center

2441 S. 88th St

Kansas City KS 66111

CONTRACT EXPIRES 12/31/17

Martin's Trash Service

Roll-off service for Effingham Station, MSW delivered to Atchison County Transfer Station

802 1st St

Effingham, KS 66023

CONTRACT EXPIRES 12/31/14

Ripple Glass, LLC

Transported via DII to recycling facility

1642 Crystal Ave

Kansas City, MO 64126

ANNUAL SERVICE AGREEMENT

Safety-Kleen Systems, Inc

Used Oil Recycling

901 Yuma Ave

Independence, MO 64056

ANNUAL SERVICE AGREEMENT

Atchison County is permitted to accept and sort Household Hazardous Waste (permit # 926). Disposal of materials was done through the Northeast Kansas Household Hazardous Waste Region; however, this

inter-local agreement is expected to be dissolved by the end of 2014. The Atchison County Commission will then decide whether to contract a vendor directly or join another HHW Region agreement.

The Atchison County Solid Waste Department receives Municipal Solid Waste from several in-county sources. The following sources rank in ascending order of tonnage hauled to the Transfer Stations:

1. Martin's Trash Service - Commercial and Residential Collections
2. City of Atchison – Residential collections only
3. Deffenbaugh Industries, Inc - Primarily Commercial Collections
4. Individual Business Self-Haul
5. Individual Residents Self-Haul

Main Transfer Station Operations

The Solid Waste Department is in the process of reforming its' data collection efforts for 2014 and beyond. As of January 1, 2014, there is an 80' x 11' scale along entrance road of the facility at 8575 Neosho Rd. along with an adjacent scale house. All vehicles entering the facility must first come across those scales. This requirement has allowed the facility staff to record traffic flow data and screening all incoming customers' loads that are brought in. Once the scale house attendant has visually screened the contents of the load brought in he or she then directs the customer to the appropriate disposal site. Any mixed loads (meaning MSW mixed with C&D or any other combination) or loads that have unsure disposal, are sent to the main tipping floor where operator can screen the load for a second time. The operators can then determine where the appropriate disposal site will be. This process has enhanced the ability of the staff to make sure that disposal of material brought to the facility, ends up in the appropriate site.

MSW and Comingled recyclables are unloaded onto the tipping floor where they are pushed into the appropriate trailer and are packed in with a backhoe in order to obtain the optimal tonnage per trailer. The Department has also converted an old small quantity generator C&D bunker into a glass bunker, and will use this site as a dumping area for the County's glass-only roll off (partnered with Ripple Glass of Kansas City). Instead of Deffenbaugh having to pick up and haul glass-only roll offs from Atchison to Kansas City, MO, they can dump multiple loads into this bunker and once a certain amount is collected, the glass can be transferred to a trailer which will transport collected glass at a much more efficient cost.

The Construction and Demolition Landfill site, as aforementioned, is scheduled to undergo changes in its permit and operations. **Current disposal method is as follows: Customers are required to stop at the scale house and fill out a form asking for the required names and addresses of the origin of the waste and the hauler. They then proceed to the Transfer Station building where the load is screened to insure that it only contains construction demolition debris. The customer then is sent to the CDL and unloads. After unloading they return to the scale house to return the form and get an empty weight.** These loads are then pushed into an existing open site and worked down. Under the new operating plan, only one third of the landfill will be open at one time. In Phase 1, the northwest third will be open and tonnages received will be processed in a standardized method to maximize the new capacity as well as limit contact water runoff from the open site. In addition to new site protocol, the landfill will also have a series of diversion berms and retention berms located on the outer edge of Phase 1. These berms will

direct any contact water from the open site into a retention area. This new plan is scheduled to be implemented from 2015 to approximately 2017, depending on C&D Tonnages. There are 3 Phases, each one lasting approximately three years.

Effingham Station Operations

This satellite facility's operations have not changed in the last five years, and are not expected to change in the next five years. It is open Wednesday and Friday, 8:00 am-4:30pm, customers come into the facility dump their trash into open top 30yd³ roll offs, or leave appropriate Household Hazardous waste in the appropriate cabinets.

Section 4. Waste Characterization

Atchison County's Municipal Solid Waste stream is consistent with typical solid waste streams. The same can be said for the Construction and Demolition Debris waste stream. As evidenced by Tables 4 and 5, the annual tonnage that is sent to the landfill is trending downwards and the amount of C& D is trending upward. In both cases, there doesn't seem a single cause but rather a series possible contributing factors.

Section 5. Future Plans

The Atchison County Solid Waste Department's main goal in the immediate future is to continue to realize efficiencies in standardizing operations and developing measurable indicators for those efficiencies. The County plans to accommodate the City of Atchison transition to automated collections and curbside recycling throughout 2015

The County will also continue to pursue cost effective programs to divert any recyclable or reusable materials out of the main waste stream.

Any new recycling programs and projects will present annually in June, so as to coincide with the following year's budgeting.