

Aitkin County Board of Commissioners
Request for County Board Action/Agenda Item Cover Sheet



To: Chairperson, Aitkin County Board of Commissioners Date: January 15, 2014

Via: Patrick Wussow, County Administrator

From: Terry Neff, Environmental Services Director

Title of Item:

Adopt Solid Waste Management Plan

Requested Meeting Date: January 28, 2014 Estimated Presentation Time: 5 min

Presenter: Terry Neff, Environmental Services Director

Type of Action Requested (check all that apply)

- For info only, no action requested
- For discussion only with possible future action
- Let/Award Bid or Quote (attach copy of basic bid/quote specs or summary of complex specs, each bid/quote received & bid/quote comparison)
- Approve/adopt proposal by motion
- Authorize filling vacant staff position
- Request to schedule public hearing or sale
- Request by member of the public to be heard
- Item should be addressed in closed session under MN Statute _____
- Approve under Consent Agenda
- Adopt Ordinance Revision
- Approve/adopt proposal by resolution (attach draft resolution)
- Other (please list) _____

Fiscal Impact (check all that apply)

- Is this item in the current approved budget? Yes No (attach explanation)
- What type of expenditure is this? Operating Capital Other (attach explanation)
- Revenue line account # that funds this item is: _____
- Expenditure line account # for this item is: _____

Staffing Impact (Any yes answer requires a review by Human Resources Manager before going to the board)

- Duties of a department employee(s) may be materially affected. Yes No
- Applicable job description(s) may require revision. Yes No
- Item may impact a bargaining unit agreement or county work policy. Yes No
- Item may change the department's authorized staffing level. Yes No



Supporting Attachment(s)

- Memorandum Summary of Item
- Copy of applicable county policy and/or ordinance (excerpts acceptable)
- Copy of applicable state/federal statute/regulation (excerpts acceptable)
- Copy of applicable contract and/or agreement
- Original bid spec or quote request (excluding complex construction projects)
- Bids/quotes received (excluding complex construction projects, provide comparison worksheet)
- Bid/quote comparison worksheet
- Draft County Board resolution
- Plat approval check-list and supporting documents
- Copy of previous minutes related to this issue
- Other supporting document(s) (please list) Copy of Sol. Waste Plan, Public Notice

Provide (1) copy of supporting documentation NO LATER THAN Wednesday at Noon to make the Board's agenda for the following Tuesday. (If your packet contains colored copies, please provide (4) paper copies of supporting documentation as we do not have a color printer or copier.) Items WILL NOT be placed on the Board agenda unless complete documentation is provided for the Board packets.


Aitkin County Environmental Services Planning and Zoning
209 Second Street NW
Room 100
Aitkin, MN 56431
Phone: 218-927-7342
Fax: 218-927-4372



MEMORANDUM

DATE: January 15, 2014

TO: Aitkin County Board of Commissioners
Patrick Wussow, County Administrator

FROM: Terry Neff, Environmental Services Director 

RE: Aitkin County Solid Waste Management Plan

Enclosed is a copy of the proposed Aitkin County Solid Waste Management Plan. Minnesota Statutes 115A.46 and Minnesota Rules 9215.0500 require all counties to have a Solid Waste Management Plan approved by the Minnesota Pollution Control Agency. The plan must describe the county's solid waste management programs for a ten year period.

Aitkin County's existing Solid Waste Management Plan was adopted in October 2003 and is required to be updated within 10 years. The enclosed plan has been approved by the Minnesota Pollution Control Agency and has been published for the required 30 day public comment period (see enclosed public notice). No comments were received during the comment period.

At the January 28, 2014, Aitkin County Board of Commissioners meeting, I will be requesting adoption of the proposed plan by the Aitkin County Board of Commissioners. Included is a resolution to be used for the adoption of the plan.

If you have any questions, please contact me at 218-927-7342 or by e-mail at tneff@co.aitkin.mn.us.

enclosures

c:\ctybrd\ctybrd2014

**PUBLIC NOTICE OF INTENT
TO APPROVE AITKIN COUNTY'S SOLID WASTE MANAGEMENT PLAN**

Aitkin County has prepared a Solid Waste Management Plan (plan) which proposes a waste management system that will result, by the year 2022 in the reduction of MSW being disposed of by approximately 35 percent by weight, through the continuation of its education, recycling, yard waste and household hazardous waste collection programs. 63 percent will be transported to the East Central Solid Waste Commission Landfill in Mora, Minnesota for final disposal with two percent disposed of on private property.

Pursuant to Minn. Rules pt. 9215.0850, the Minnesota Pollution Control Agency (MPCA) hereby gives notice of its intent to approve the County's plan.

Additional information on the County's plan may be obtained from the County or the MPCA at the following addresses:

Mr. Terry Neff
Solid Waste Coordinator
Aitkin County Environmental Services Dept.
209 2nd Street, N.W Room 100.
Aitkin, MN 56431
Phone: 218-927-7342

Mr. Henry Fisher, Principal Planner
Minnesota Pollution Control Agency
Duluth Regional Office
525 Lake Avenue, South, Suite 400
Duluth, MN 55802
Phone: 218-302-6630

Interested persons are invited to submit comments on the MPCA's proposed actions. Comments must be received by the MPCA at its above address by 4:30 pm, Thursday, January 9, 2014. Pursuant to Minn. Rules pt. 9215.0850, subp.3, comments must include: 1.) a statement of the commenter's interest in the plan; 2.) a statement of the action the commenter wishes the MPCA to take, including specific references to the plan or the need calculation that the commenter believes should be changed; and 3.) the reasons supporting the commenter's position, stated with sufficient specificity to allow the MPCA to assess the merits of the commenter's statements.

During the comment period, interested persons may request that the MPCA conduct a public informational meeting or a contested case hearing. A public informational meeting is an informal meeting conducted by MPCA staff to help clarify and resolve issues. A contested case hearing is a trial-like proceeding conducted by the state administrative law judge. Requests for a public informational meeting or contested case hearing must: 1.) include the three pieces of information described in the preceding paragraph; 2.) explain why the MPCA should hold a meeting or hearing and 3.) describe the issues the commenter wants addressed at the meeting or hearing. At the close of the comment period, the MPCA will determine if a public meeting or hearing would be beneficial.

The MPCA will consider all comments received within the comment period. Following the close of the comment period and any public informational meetings or contested case hearings, the MPCA will make a final determination on whether or not to approve the plan.

CERTIFIED COPY OF RESOLUTION OF COUNTY BOARD OF AITKIN COUNTY, MINNESOTA

ADOPTED January 28, 2014

By Commissioner: xx

012814-0xx

Aitkin County Solid Waste Management Plan

WHEREAS, the legislature of the State of Minnesota requires that Minnesota's counties develop a Solid Waste Management Plan in accordance with Minn. Stat. §§ 115A.46; 115A.417, 115A.551; subds. 6-7. 115A.552 , 115A.557, subd 2-3,115A.63; 115A.84; 115A.914, 115A.96, Subd. 6-7; 115A.917, 115A.97 Minn. Rules 9215 and all other applicable statutes and rules; and

WHEREAS, Aitkin County recognizes the need and responsibility to plan for and practice environmentally sound methods of managing their solid waste stream; and

WHEREAS, in 1989, the legislature of the State of Minnesota enacted legislation to require that Solid Waste Management Plans be amended to include the requirements in Minn. Stat. §§115A.551, 115A.914, and 115A.96, Subd. 6 (1991); and

WHEREAS, Aitkin County recognizes the need to plan for and implement waste reduction, recycling, yard waste composting, special waste management strategies, and processing of MSW.

NOW THEREFORE, BE IT RESOLVED, that the Aitkin County Board of Commissioners hereby approves and adopts Aitkin County Solid Waste Management Plan and supporting documentation dated November 25, 2013.

BE IT THEREFORE FURTHER RESOLVED, that the Aitkin County Board submits this document to the Minnesota Pollution Control Agency for final approval pursuant to applicable Minnesota laws and rules.

Commissioner xx moved the adoption of the resolution and it was declared adopted upon the following vote

FIVE MEMBERS PRESENT

All Members Voting Yes

STATE OF MINNESOTA)
County of Aitkin) ss.
Office of County Auditor,)

I, Kirk Peysar, Auditor, of the County of Aitkin, do hereby certify that I have compared the foregoing with the original resolution filed in my office on the 28th day of January A.D., 2014, and that the same is a true and correct copy of the whole thereof.

WITNESS MY HAND AND SEAL OF OFFICE at Aitkin, Minnesota, this 28th day of January A.D., 2014

KIRK PEYSAR, County Auditor

BY _____, Deputy

Aitkin County

Solid Waste Management Plan



Prepared By:
Terry Neff, Director of Environmental Services

November 25, 2013

Table of Contents

Chapter I. The Executive Summary	I-1
A. Introduction	I-1
B. Overview	I-1
C. Solid Waste Abatement Goals	I-2
D. Waste Abatement System	I-3
E. Waste Disposal System	I-5
F. Management & Planning	I-6
G. System Summary (Flow and Cost Tables)	I-6
Chapter II. COUNTY BACKGROUND INFORMATION	II-1
A. Population	II-1
B. Land Use	II-3
C. Employment and Economic Conditions	II-3
D. Summary	II-5
E. Waste Generation	II-5
F. Waste Composition	II-7
G. Solid Waste Collection	II-7
H. Summary	II-9
I. Review of Planning History	II-9
Chapter III. Existing and Proposed Integrated Solid Waste Management System	III-1
A. Solid Waste Reduction	III-2
B. Solid Waste Education	III-3
C. Recycling	III-4
D. Yard Waste	III-9
E. Land Disposal of MSW	III-11
F. Waste Tire Disposal and Recovery	III-14
G. Electronic Products	III-16
H. Major Appliance Management	III-17
I. Use Oil Management	III-18
J. Battery Management	III-19
K. Household Hazardous Waste Management	III-20
L. Demolition Debris	III-22
M. Solid Waste Ordinance	III-23
N. Solid Waste Staff	III-24
O. Solid Waste Program Funding	III-24
P. Plan Review and Ten-year Update	III-25
Q. Goal Volume Table	III-25
R. Itemized Solid Waste Budget	III-25
S. Alternatives to MSW disposal options	III-26
T. On-site and Illegal disposal - mitigation of environmental risks	III-26
U. Public Participation Program	III-27

APPENDIX

- A. Aitkin County Goal Volume Tables
- B. MPCA/OEA Statewide Composition Study – Summary
- C. Aitkin County Map of Solid Waste Sites
- D. Aitkin County Recycling Agreement
- E. Aitkin County Solid Waste Ordinance
- F. Aitkin County 2012 SCORE Report
- G. Aitkin County Solid Waste Budget

Chapter I. The Executive Summary

A. Introduction

Aitkin County, located in central Minnesota, has developed a new Comprehensive Solid Waste Management Plan that replaces the previous plan dated September 30, 2003. This new plan contains the policies and goals that will guide the development of the County's integrated solid waste management system for the next ten years.

This plan was developed and completed by Terry Neff, Aitkin County Solid Waste Administrator, with assistance from the Aitkin County Solid Waste Advisory Committee, and the Minnesota Pollution Control Agency.

The Aitkin County Solid Waste Advisory Committee was established to assist in the preparation and completion of the 1997 Solid Waste Management Plan. The Advisory Committee has helped to spur discussion and consideration of solid waste issues facing the County. The final plan is the result of their input and recommendations to the County Board.

B. Overview

This new plan is essentially a review of the existing integrated solid waste management system and an action plan for anticipated solid waste management activities for the next ten years.

Aitkin County owns a transfer station north of the City of McGregor and contracts the operation of the transfer station to J&H Transfer. This transfer station offers the collection of mixed municipal solid waste (MSW), demolition waste, recyclables and problem materials. Household hazardous waste is collected during two (2) one-day collection events, during the month of May and September, at the Aitkin County Recycling Center in Aitkin, MN.

The County has established an education program with an emphasis on waste reduction, recycling, household hazardous waste and problem material management.

The County has two (2) closed landfills, Aitkin County Area Landfill and Hickory Grove Landfill that have been enrolled into the MPCA Closed Landfill Program. Certificates of compliance were issued in 1997. Ownership of these landfills is now with the MPCA.

Waste generated in the County is currently being delivered to three (3) private landfills for final disposal with - 99 percent sent to the East Central Solid Waste Commission Landfill in Mora, Minnesota, .5 percent is sent to the Elk River Landfill in Elk River, Minnesota and .5 percent is sent to the Greater Morrison

Landfill in Little Falls, Minnesota.

The existing integrated solid waste management system encompasses a broad range of program elements which include:

- waste reduction
- waste education
- recycling
- yard waste management
- land disposal
- tire management
- major appliance management
- electronics management
- used oil, lead acid and dry cell battery management
- household hazardous waste management
- very small quantity generator management
- pharmaceutical management
- demolition debris management
- solid waste ordinance and licensing
- backyard burning, onsite and unauthorized disposal program

This Plan proposes continuation and, in specific cases, expansion of the above-mentioned programs and considers them an integral part of a successful integrated solid waste system. The County will work with Crow Wing County on the management of problem materials when the opportunity exists. The County will continue to evaluate existing programs based on environmental, economic, legal and geographic criteria.

The County is currently in the third-year of a seven-year contract with Garrison Disposal for recycling services. The service consists of operating the County recycling center and numerous manned and unmanned canister locations. Recyclable materials collected are paper, cardboard, aluminum, glass, tin and plastic. In 2010 the County entered into an agreement with J&H Transfer for recycling services at the McGregor Transfer Station and J&H Transfer Station. This agreement is in its third-year of a seven year agreement.

C. Solid Waste Abatement Goals

The County has established solid waste abatement goals for a ten-year period. These goals can be found in the Goal Volume Table located in Appendix A. The budget for the programs necessary to obtain these goals is provided in Appendix G.

D. Waste Abatement System

Waste Reduction

Aitkin County regards source reduction as a primary solid waste issue. The County will continue to provide information to residents and businesses regarding this issue. The County believes that weight/volume based tipping fees and public education are the most effective methods of reducing waste generation.

Aitkin County will expand three (3) programs on waste reduction: (1) public education; (2) waste reduction in businesses; and (3) establish a cooperative working relationship with Crow Wing County on waste reduction. In addition, the County will continue to work with the North East Waste Advisory Council (NEWAC) in sponsoring regional waste reduction programs. Specific information on Aitkin County's proposed waste reduction programs can be found in Chapter III of this Plan.

Waste Education

Aitkin County considers public education to be a very important component in its strategy to achieve waste abatement goals and is planning accordingly. Ongoing public education shall be provided for all elements of the solid waste program that can benefit from an informed public. Public education shall have a prominent role in Aitkin County's waste reduction, recycling, yard waste composting, household hazardous waste, and land disposal programs.

The County will utilize the local media, MPCA pamphlets, County produced literature, public presentations, fairs, open houses, and onsite visits to enhance its waste education program.

Additional information on the County's waste education program can be found in Chapter III of this Plan.

Recycling

Aitkin County endorses State recycling goals and policies, and intends to meet and exceed this goal. The County has established ambitious goals to meet the State's 35 percent recycling rate by 2022. The County will work with businesses to increase the accuracy and number of returned annual recycling reports.

Aitkin County intends to continue with its existing program and will increase its educational efforts to residents and businesses. The County intends to make amendments to the Solid Waste Ordinance as needed to maintain recycling rates. The County intends to create problem material management programs in

conjunction with Crow Wing County. These materials could include waste electronics, tires, appliances, and HHW.

Aitkin County will also begin discussions with Crow Wing County, East Central Solid Waste Commission, Garrison Disposal and J&H Transfer on a mattress recycling program.

Aitkin County will be requesting annual reporting from the five public drop-off yard waste composting sites.

Additional information on the County's recycling program can be found in Chapter III of this Plan.

Yard Waste Composting

The County banned yard waste from MSW in 1992. There are five (5) public drop-off sites for yard waste located within the County. The County plans to promote onsite management of yard waste in educational materials and through public awareness presentations.

Aitkin County residents are well informed on the benefits of yard waste and organics composting. The practice of onsite composting has been ongoing for several generations. There is a large amount of yard waste and compostable organics that are disposed of onsite at residential properties each year that is not being counted towards the County's recycling rate. Yard sizes in rural areas are, on average, significantly larger than in more suburban areas where curbside collection is offered. The annual tonnage of organics composted onsite each year, per residential property, should be quantified. This will take the cooperation of the MPCA, composting facilities, and local units of government.

Information on the County's yard waste program can be found in Chapter III of this plan.

Household Hazardous Waste

The County will continue to participate in the regional household hazardous waste program in conjunction with Western Lake Superior Sanitary District (WLSSD), and will continue to provide household hazardous waste education programs. The County plans to continue holding two (2) collection events each year.

A Very Small Quantity Generators (VSQG) collection program is currently being operated in cooperation with appropriate state agencies and WLSSD which brings a mobile collection to Aitkin County.

Additional information on the County's household hazardous waste program can be found in Chapter III of this Plan.

Other Abatement Programs

Information on the County's special waste and related programs can be found in Chapter III of this Plan.

Solid Waste Ordinance

The Aitkin County Solid Waste Ordinance was adopted in the early seventies and an official copy filed in 1990 is provided in Appendix E. Amendments to the Ordinance are planned in 2014 to include provisions for annual recycling and waste tonnage reporting and updating of current language.

E. Waste Disposal System

Existing Solid Waste Management System

Approximately 99% of the waste generated in Aitkin County is disposed of at the East Central Solid Waste Commission Landfill and the remainder is divided between the Elk River Landfill and Greater Morrison Landfill. The existing disposal system contains the following components: waste reduction; waste education; recycling; yard waste composting; household hazardous waste management; special waste management; and transfer of MSW to landfills.

MSW Disposal System

Aitkin County has chosen to allow the private sector to determine where the MSW will be disposed of. At the present time, 99 percent of the waste is being disposed of at the East Central Solid Waste Commission Landfill in Mora, Minnesota, .5 percent is sent to the Elk River Landfill in Elk River, Minnesota and .5 percent to the Greater Morrison Landfill in Little Falls, Minnesota. Aitkin County will maintain and expand its solid waste abatement program in an attempt to meet the State's 35 percent abatement goal. It is estimated that Aitkin County will need 10,000 cubic yards of landfill space annually over the next ten years to meet its disposal needs.

Alternative System Analysis

Aitkin County will continue to rely on waste abatement programs and projects to reduce the amount of waste landfilled. Aitkin County will look into programs to remove and/or increase the amount of electronics, tires, scrap metal, appliances and other problem materials collected from the waste stream. Market rates will determine where companies dispose of MSW. However, Aitkin County will

continue to participate in regional planning to ensure the County has MSW management options available.

F. Management & Planning

Aitkin County recognizes the need to evaluate and consider solid waste management alternatives, including regional solutions for waste abatement. The County is concerned with the rising cost of waste management, the environmental impacts of land disposal, long term waste abatement solutions, and achieving the reduction and recycling goals set by the State. Currently, the County is participating in the North East Waste Advisory Council (NEWAC) a regional task force consisting of Aitkin, Carlton, Cook, Itasca, Koochiching, Lake and St.Louis counties and the Western Lake Superior Sanitary District (WLSSD). While cooperative efforts in the management of MSW have not been proven viable for Aitkin and some other counties involved, several counties are still pursuing cooperative alternatives. Investigation of regional efforts in other areas of solid waste management such as in education, problem materials management, operator training, etc., is continuing. The County intends to participate actively in this process. In addition to the regional planning mentioned above, Aitkin County will work with Crow Wing County and East Central Solid Waste Commission on partnerships for problem material management.

Local Planning

Aitkin County believes that the proposed integrated solid waste management system within this Plan is the most feasible and prudent system available to the County at this time. The County intends to continue its solid waste management planning. In ten years, Aitkin County will submit a new plan to address changes and improvements to the overall system, including regional planning and initiation of greater resource recovery and waste abatement efforts.

G. System Summary (Flow and Cost Tables)

Aitkin County generates approximately 13,319 tons of waste per year. Over the next ten years 63 percent of the waste generated will be land disposed and 35 percent will be abated through alternative management programs. Approximately 2 percent is estimated to be disposed onsite. The following table shows the waste system components and the percent to be managed through abatement and land disposal for a ten year period. The goal volume table located in Appendix A provides a ten year estimate of Aitkin County's waste flow.

System Flow	2013	2017	2022
Total Waste Managed (Tons Per Year)	13,426	13,860	14,424
Management Method (%)			
Residential/Commercial Recycling	18.5	22.5	31.5
Problem Material Recycling	3.7	3.6	3.5
Illegal Onsite Disposal	2.3	2.1	2.0
Land Disposal	75.5	71.8	63

Waste System Cost

A detailed estimate of County solid waste costs for the ten-year planning period can be found in the solid waste budget in Appendix G. A summary of costs, at current staffing levels, for the first five years are listed in the table below.

Program	2013	2014	2015	2016	2017
Administration	\$150525	\$153535	\$156605	\$159737	\$162932
Recycling Contract	\$70000	\$71400	\$72828	\$74285	\$75770
HHW Management	\$12000	\$12240	\$12485	\$12734	\$12989
Capitol Expenditures	\$5000	\$5101	\$5203	\$5307	\$5414
Problem Material Manag.	\$3000	\$3060	\$3121	\$3184	\$3247
Education	\$6250	\$6375	\$6503	\$6633	\$6765
Total Costs	\$246775	\$251711	\$256745	\$261880	\$267117

c:solidwasteplan.chpts1

Chapter II. COUNTY BACKGROUND INFORMATION

A. Population

Population Distribution

According to the State Demographer's Office, 78 percent of the County's population or 12,672 persons resided in 40 townships in 2010. Aitkin County has 6 municipalities that make up the balance of population or 3,530 persons. Aitkin, the County seat, is the largest city located at the intersection of Highway 169 and Highway 210. Table II-1 illustrates the population changes in the County's cities from 2000 to 2010.

**Table II-1
CITY POPULATION CHANGES 2000 TO 2010**

City	2000	2010	Pop Change	Percent Change
Aitkin	1984	2165	181	9.1%
Hill City	479	633	154	32.1%
McGrath	65	80	15	23.1%
McGregor	404	391	-13	-3.2%
Palisade	118	167	49	41.5%
Tamarack	59	94	35	59.3%
Totals:	3,109	3,530	421	13.54%

Source: Minnesota State Demographic Center, 2010

Approximately, 16,202 people reside in 1,828 square miles in the County with about 3,530 living within the communities noted above. Most of the population is spread out around the County at an average rate of less than 7 persons per square mile.

Population Changes & Projections

Table II-2 presents Aitkin County's 1990, 2000 and 2010 population and the percentage change that occurred after each census period. Aitkin County's population had experienced a 23 percent increase from 1990 to 2000 and a 5.9 percent increase from 2000 to 2010. The Minnesota population change map on page II-2 shows the County's change in relation to that of other counties from 2000 to 2010. Based on historic data and forecast in migration trends, the Minnesota State Demographer projects a continued increase in population through 2025.

Table II-3 illustrates Aitkin County's population projections for the next fifteen years developed by the Minnesota Department of Administration/Office of

Geographic and Demographic Analysis. Aitkin County's ten-year population projection is presented in the Goal-Volume Table (GVT) in Appendix A.

**TABLE II-2
AITKIN COUNTY POPULATION 1990-2010**

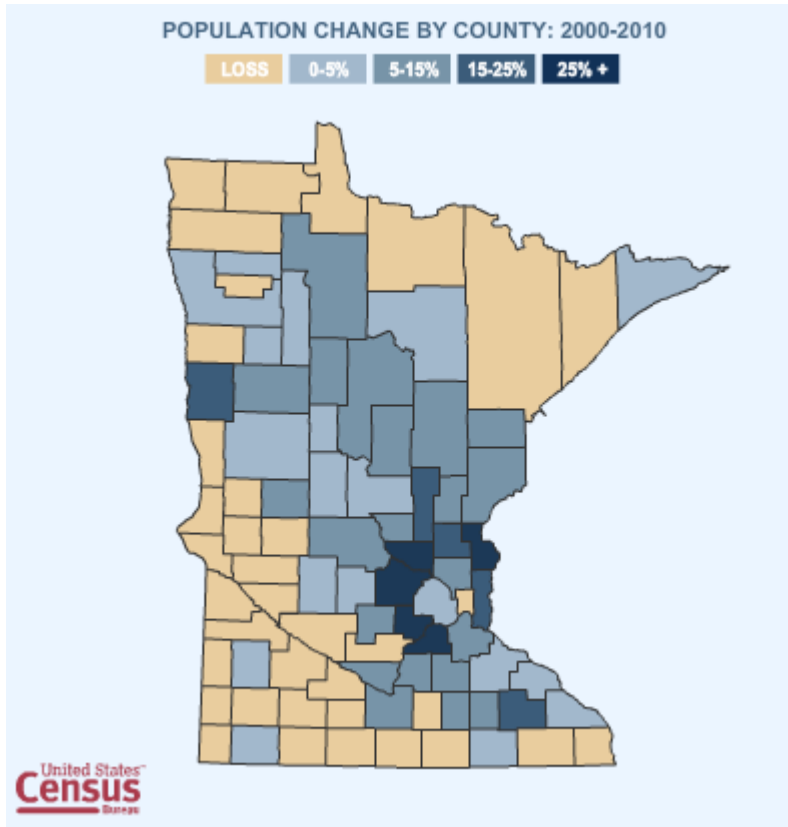
	1990 2000 Census		% Change	2000 2010 Census		% Change
County Total	12,425	15,301	23.1	15,301	16,202	5.9

Source: Minnesota State Demographic Center, US Census 2010

**TABLE II-3
AITKIN COUNTY POPULATION & HOUSEHOLD PROJECTIONS 2010-2020**

	2010	2015	2020	2025	% Change 2010-2025
Population	16,202	16,859	17,545	18,129	11.9%
Households	7,299	7,669	8,011	8,278	13.4%

Source: MN Department of Administration/Office of Geographic & Demographic Analysis



B. Land Use

Aitkin County is located near the SE corner of the Arrowhead area of the state and encompasses 1,828 square miles. Land ownership is approximately 46 percent private, 34 percent state, 19 percent county and one percent federal. Land is used primarily for forestry and agricultural purposes.

Approximately, 65 percent of the County's is forestland. Of this forested area, approximately 40 percent are in under-stock cover types to include marsh, bog and brush land. The other major types include aspen-birch, northern and lowland hardwoods and conifers.

Roughly, 64,500 acres is currently in cropland of which the principal crops are hay, small grains and corn. Specialty crops such as potatoes, strawberries and wild rice are grown in the County. Aitkin County was once the largest wild rice producing area in the State with approximately 8,000 acres of paddies. The acres of crop land and rice paddies have been significantly reduced due to the conversion of these acres to wetland banks for mitigation of wetland impacts.

There are 538 farms comprising 133,000 acres in the County with the average farm being 247 acres. Grain crops constitute the largest single source of farm income followed by beef cattle.

Aitkin County has approximately 113,000 acres of surface water. From about 1990 to 2006, the County experienced rapid residential development adjacent to these waters. Lakes and rivers were being developed for weekend cabins so quickly that demand for riparian lands forced prices to more than double. Since the economic downturn, the demand for lake shore property has declined and so has the amount of development.

Aitkin County's major transportation routes include Federal Highway 169 and State Highways 47, 65, 200, 210 and 18.

C. Employment and Economic Conditions

With the exception of agriculture, mining and manufacturing, Aitkin County saw employment increases in all major industries between 2000 and 2012. Table II-4 on page II-4 provides employment data from the 2012 Census for all major industries in Aitkin County. Currently, most job growth appears to be taking place in recreation/food services, and education, health care and social services. Overall, employment has increased by 9.2 percent.

The unemployment rate gradually increased from 5 percent in June 2006 to 9.7 percent in June of 2009. This increase is a result of the great recession the country has been in since 2007. The unemployment rate has gradually dropped

since 2009 to a rate of 6.0% in October of 2012. Minnesota and the US average unemployment rates for October 2012 were 5.6 and 7.9 percent respectively.

Furthermore, it should also be noted that Aitkin County, like others in the arrowhead region, experience seasonal shifts in unemployment due the type of employment activities. However, these shifts should be less of an impact as the County's economic base continues to diversify and grow.

**TABLE II-4
EMPLOYMENT BY MAJOR INDUSTRY 2000 - 2012**

Industry	2000			2012		Change 2000-2012	
	Persons	Percent		Persons	Percent	Number	Percent
Farming, fisheries, forestry & mining	326	5.2		265	3.9	- 61	-18.71
Construction	616	9.9		707	10.4	91	14.77
Manufacturing	847	13.6		714	10.5	-133	-15.7
Wholesale Trade	127	2.0		136	2.0	9	7.08
Retail Trade	674	10.8		758	11.0	84	12.46
Tran.Com.Util	400	6.4		504	7.4	104	26.0
Finan.Ins.Real	287	4.6		333	4.9	46	16.02
Recreation, Food Services	861	13.8		982	14.4	121	14.05
Educ.Health, Social Services	1,244	19.91		1,416	20.8	172	13.82
Professional Services	554	8.87		652	9.6	98	17.69
Public Admin.	306	4.9		349	5.1	43	14.05
Total:	6,242	100		6,816	100	574	9.2

Source: Minnesota State Demographic Center, 2012

The 2000 Census estimated that the median household income in Aitkin County to be \$31,139. This compares with the median household income in the State of Minnesota at \$47,111. In 2011, the median household income reported by the US Census Bureau for Aitkin County was \$41,301 or 33 percent greater than the 2000 estimate.

Similarly, the 2000 Census estimated that the per capita income for Aitkin County to be \$17,848. This compares with the per capita income in the State of Minnesota at \$23,198. In 2011, the per capita income reported by the US Census Bureau for Aitkin was \$24,694 or 38 percent greater than the 2000 estimate.

Taken together, both household and per capita income is expected to grow over the next decade due to economic opportunities associated with population growth and the development of recreational homes and businesses.

D. Summary

Aitkin County will continue to experience population growth over the planning period. This will impact the health care, long term care, governmental and socio-political needs. All of these and other changes will impact the solid waste management system. Other changes possibly impacting the solid waste services include: mining in the Tamarack area, timber and fiber demand, resorts increasing in size, continued development of the lakeshore, and increase in specialized businesses.

E. Waste Generation

In 2012, Aitkin County generated approximately 13,319 tons of municipal solid waste (MSW) or 36 tons per day. This includes 2760 tons of recyclables and 10,055 tons of MSW that was landfilled. This does not include industrial waste or 13,382 cubic yards of demolition debris. Future County abatement goals and projected solid waste generation rates are a part of the Goal-Volume Table (GVT). The GVT located in Appendix A of the plan estimates a 2012 per capita solid waste generation rate of 4.37 pounds per person per day. The estimated residential waste generation rate was .35 pounds per person per day.

The solid waste stream in Aitkin County consists of primarily household and commercial waste with some demolition debris and industrial waste. The estimated percentage for each is 57 percent residential, 10 percent commercial, 1 percent industrial, and 32 percent demolition waste.

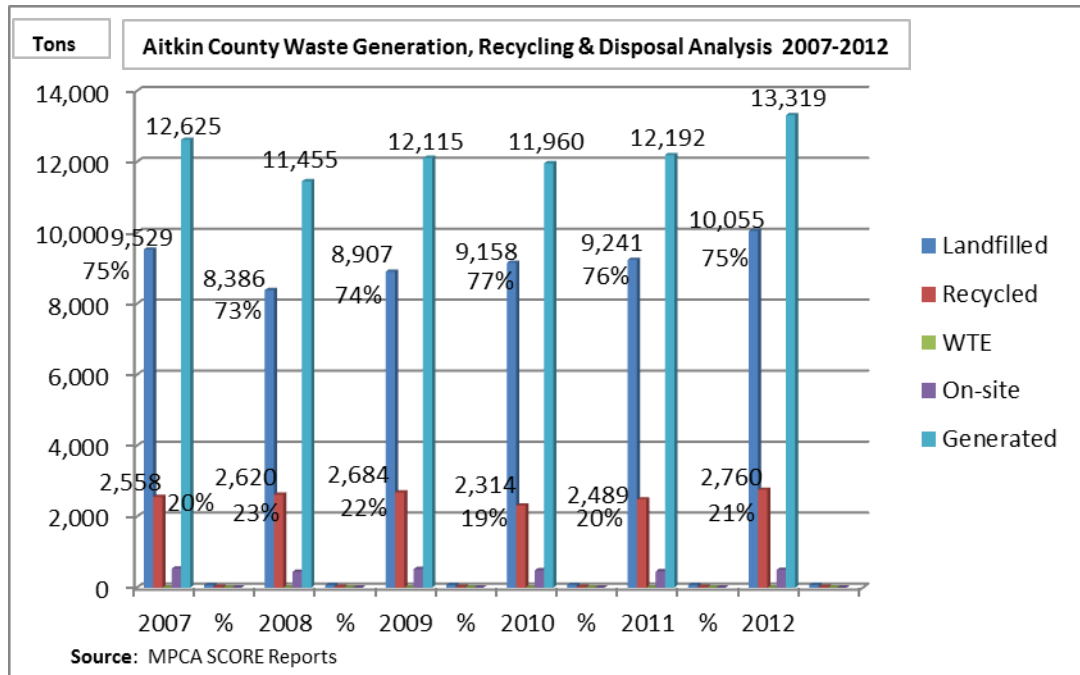
Table II-5 and figure II-1 illustrate Aitkin County's waste generation, recycling and disposal estimates from 2007 through 2012 utilizing MPCA SCORE Reports. Please refer to the GVT in Appendix A for waste generation estimates covering the ten-year planning period.

Table II-5

Aitkin County Waste Generation, Recycling and Disposal Analysis 2007-2012

Method	2007	%	2008	%	2009	%	2010	%	2011	%	2012	%
Landfilled	9,529	75	8,386	73	8,907	74	9,158	77	9,241	76	10,055	75
Recycled	2,558	20	2,620	23	2,684	22	2,314	19	2,489	20	2,760	21
WTE	0	0	0	0	0	0	0	0	0	0	0	0
On-site	538	4	449	4	524	4	488	4	462	4	503	4
Generated	12,625		11,455		12,115		11,960		12,192		13,319	

Figure II-1



Large Waste Generators

Aitkin County solid waste staff estimates that 35 percent of the municipal waste stream is commercial waste. As with other rural counties with limited industry, Aitkin County has few large waste generators. According to Garrison disposal, the largest waste generators are also the top recyclers.

The large waste generators and major recyclers within Aitkin County are Paulbeck's Super Valu, Aicota Nursing Home, Riverwood Health Care Center, Lakes States Lumber and Sherwood Forest Campground. The type of waste generated includes packaging materials such as paper and cardboard, and food waste. Material recovered for recycling includes paper, cardboard, glass, metal and magazines.

Demolition Debris

Demolition waste is disposed of at the Oakridge Demolition Landfill that is owned and managed by Waste Management. The facility is located six miles south of the City of Aitkin on Highway 169. In 2012, Oakridge Demolition Landfill accepted 13,382 cubic yards of demolition debris. As the economy improves it is expected the amount of materials disposed of at the facility will increase. The landfill service area includes Crow Wing County. The expected site life of this facility is about 35 years.

Aitkin County staff discourages permit-by-rule sites since a disposal facility is available and the many wetland areas and topography of the County limit the availability of permit-by-rule sites.

Seasonal Variation

Due to the many lakes in Aitkin County, the population increases during the months of May through September by about 50,000 – 60,000 persons. Accordingly, the private collection and disposal system adjusts to this influx of visitors by adding collection services. The County implemented a park, campground and resort-recycling program partially funded by an OEA grant in 1997. Seven (7) recycling shelters were constructed at various campgrounds within the County. One shelter has been removed because of continuous contamination of the recyclables.

F. Waste Composition

Aitkin County has not conducted a waste characterization study to determine precisely the types and quantities of waste generated within the waste stream. Aitkin County has assumed the waste composition to be typical of other rural areas of the state. In March of 2000, the MPCA and OEA released a final report on a statewide waste composition study. Appendix B contains a copy of the report's executive summary.

G. Solid Waste Collection

Solid waste collection service in Aitkin County is provided by small commercial waste haulers who contract directly with individual generators. Weekly curbside collection service is available in the City of Aitkin, Hill City and a portion of the rural areas of the County. The remaining rural areas of the County are served by municipal solid waste drop-off sites located at Garrison Disposal Transfer Station, McGregor Transfer Station, J&H Transfer Station and during the attended recycling drop-off sites. The McGregor Transfer Station is owned by the County and operated by J&H Transfer. Garrison Disposal, a private

company manages the attended recycling drop-offs as part of the Aitkin County Recycling Agreement found in Appendix D.

A map depicting the location of all recycling drop-off sites, oil and oil filter disposal locations, the transfer stations, leaf compost sites, closed landfills, the demolition landfill, municipal solid waste drop-off sites and the product exchange is found in Appendix C.

Waste collection services are provided by ten (10) licensed MSW haulers. All MSW haulers working in Aitkin County must obtain an annual license from the Aitkin County Auditor. The current license fee is \$100.00 per company. Table II-6 illustrates the name of each company, account types served, areas served and the service offered at this time.

**TABLE II-6
WASTE COLLECTORS**

Hauler Name	Account Types	Area Served	Services Offered
Garrison Disposal	Residential, Commercial	Entire County, City of Aitkin	MSW, Recycling within city limits, Demo.
Wayne's Sanitation	Residential, Commercial	Southeast	MSW
Lakes Sanitation	Residential, Commercial	1/3–Northern 1/3-North Central	MSW, Recycling in McGregor, Demo
Voyagers Disposal	Demolition	Entire County	Demolition only
Mille Lacs Band Public Works	Residential, Commercial	East Central	MSW
Blue Lake Disposal	Residential	West Central	MSW
Quality Disposal Systems	Residential, Commercial	South	MSW
The Local Boy	Residential, Commercial	Northern	MSW
Norland Sanitary Services	Residential, Commercial	Northern	MXW, Demo
Waste Management	Residential, Commercial	Entire County	MSW, Recycling

Rates and Fees

The cost of curbside collection service offered by MSW haulers is approximately \$24.00 per month for a 40-gallon container, \$26.00 per month for a 60-gallon container and \$28.00 per month for a 90-gallon container. Each of these rates is for collection of solid waste once per week. The disposal rate at the three (3) canister sites is \$4.00 - \$6.00 per 30-gallon bag.

Aitkin County has passed a resolution that requires haulers to employ volume base pricing. Actual rates are set by individual private haulers. Monthly residential and commercial service fees are dependent on the type and frequency of service, accessibility of collection points, transportation logistics and ultimate haulers disposal cost.

Uncollected Waste Estimate

Waste collection in the County is not mandatory. All residents in the County have access to solid waste service through self-hauling or collection service. It is estimated that 94 percent of households have access to curbside collection service. This includes all city residents and a majority of the rural households. Of the remaining households, it is estimated that 4 percent dispose of their waste on-site and 2 percent utilize one of the two municipal solid waste canister sites or the recycling drop-off locations. The amount of on-site waste to include problem materials not recycled is estimated at 503 tons per year.

H. Summary

The population density within Aitkin County and lack of curbside recycling opportunities will continue to be a barrier on getting recyclable materials to the recycling center. The small number of large waste generators and recyclers makes it difficult to achieve the states recycling goals. Collecting annual reports from local businesses has been a struggle but is improving. The County will have to pursue more convenient collection locations, increase reporting from businesses and find additional materials for recycling. The addition of any large retailer or industrial facility would be a great benefit to the local economy and potentially provide a significant source of recyclable materials.

I. Review of Planning History

Past Solid Waste Planning Activities

Past solid waste planning activities have focused on closure of two (2) landfills in the County and ensuring that opportunities exist for citizens and businesses to dispose of waste. Some of these activities include:

- Solid waste management plans completed in 1987, 1992, 1996 and 2003.
- Contractual arrangements with Garrison Disposal for recycling services since 1992.
- Contractual arrangements with J&H Transfer for operation of the McGregor Transfer Station since 2007.
- Contractual arrangements with J&H Transfer for recycling services since 2011.
- Providing household hazardous waste and very small quantity generator services in conjunction with WLSSD.

- Used oil and filter drop-off locations.
- Used Antifreeze drop-off location.
- Leaf composting sites.
- Annual recycling reports.
- Enrolled two landfills in State closed landfill clean-up program.
- Electronics collection for residents and businesses.
- Tire and Appliance collection events.
- Pharmaceutical drop-off site in the Sheriffs Lobby of the Courthouse.

Current Local and Regional Planning

Current local solid waste planning activities are focused primarily on promoting environmentally sound disposal and recycling options. These efforts are targeted at residential, commercial and industrial sectors. Action plans and implementation plans have focused on education about proper solid waste management practices and the creation of an infrastructure that provides everyone in the County access to proper waste management services.

Regionally, Aitkin County is a member of the Northeast Waste Advisory Council (NEWAC). The council was formed on July 13, 1992 to investigate the potential of developing a regional solid waste management plan for nine (9) counties in Central and Northeastern Minnesota. NEWAC originally included Aitkin, Carlton, Cass, Cook, Crow Wing, Itasca, Koochiching, Lake and St. Louis counties and the Western Lake Superior Sanitary District (WLSSD). The council's members include a commissioner from each County and the WLSSD with the solid waste officers participating as ex-officio members.

In 1996, NEWAC with assistance from the Arrowhead Regional Development Commission (ARDC), obtained a grant to develop a regional solid waste management plan. ARDC completed the plan in May of 1996 with all counties approving its content and direction.

Aitkin County intends to continue its solid waste management planning efforts and will provide an update of this Plan within ten (10) years of the approval of this document.

Past Impediments or Barriers to Development of Regional Projects

Barriers to regional projects include private control of waste flow, transportation distances to facilities, facility closures, system cost, legal waste assurance mechanisms, cooperation and agreement among counties.

Resolution of Conflicting or Overlapping Local Waste Management Efforts

The County has not experienced conflicting or overlapping management efforts.

Chapter III. Existing and Proposed Integrated Solid Waste Management System

Overall Policies and Goals

Aitkin County plans to maintain current waste reduction, recycling and reuse programs that are currently running in the County. We also feel that these programs are a significant asset for long term economic stability within the County and the State. We foresee a need to increase the amount of funding and staff towards these programs to continue to increase their effectiveness. However, Aitkin County feels that major accomplishments can only be achieved through cooperation from the legislature and manufacturers, retail outlets and buyers.

History of Solid Waste System Development

Minnesota's statewide recycling efforts began in earnest in 1989, when the Legislature adopted comprehensive legislation based on the recommendation of the Governor's Select Committee on Recycling and the Environment (SCORE). This set of laws, commonly referred to as SCORE, initiated a "stable" source of State funding for programs related to recycling, waste reduction, and the improved management of household hazardous wastes and problem materials. SCORE related programs are a key element of Aitkin County's integrated solid waste management program which are administered by the Environmental Services Department.

The County's efforts on developing a solid waste management program began in 1974 with the permitting of the Aitkin Area Sanitary Landfill (SW-145). This landfill was in operation for approximately 16 years; ceasing operation in 1990. Prior to this, many of the communities within the County had their own local dump. In 1990, Aitkin County entered into an agreement with Garrison Disposal for providing recycling services within Aitkin County. In 1992, Aitkin County received a Capitol Assistance Program Grant from the Office of Environmental Assistance for the construction of the Aitkin County Recycling Center. The recycling center became the focal point for recycling, hazardous waste and problem material collection. In 1995, the Oak Ridge Demolition Landfill was permitted by the MPCA (SW-541). In 2010, Aitkin County expanded its recycling agreement to include J&H Transfer for recycling services. Currently all mixed municipal solid waste is being collected by private haulers which operate their own transfer stations, or direct haul to the Elk River Landfill or East Central Landfill.

Achievements, Opportunities and Challenges

Aitkin County has, and will continue to, focus on waste reduction, waste education, and recycling. Our waste reduction and waste education efforts begin at the grade school level, where we offer training events and contests. Our 6th graders have participated and won numerous awards at the regional Waste Reduction Art Contest. With the elimination of the waste reduction and yard waste credits, more effort will be placed on recycling. Recycling opportunities have expanded to include electronics, pharmaceuticals, oil and filters. In order to increase the amount of recyclable materials collected, we need more participation from local businesses and more accurate reporting from those already participating, expansion on the kinds of materials collected,

and more convenient opportunities to recycle. Due to the physical size and low population in the rural areas of the County, logistical and economic problems exist.

A. Solid Waste Reduction

GENERAL POLICY AND GOALS:

Source reduction is very difficult to quantify. Aitkin County plans to maintain current waste reduction programs. Aitkin County recognizes that it must serve as an example to local municipalities, businesses and residents by reducing waste generated at County sources. However, the County feels that major accomplishments can only be achieved through cooperation from the legislature and manufacturers. In 2013 the state eliminated the 3% SCORE credit for waste reduction activities performed by counties. In order to make up this 3% credit, Aitkin County will concentrate more time and money to increase the types and amounts of materials collected for recycling.

EXISTING PROGRAM:

Aitkin County's existing program consists primarily of a public education program in conjunction with our overall solid waste program, and volume-based tipping fees.

Aitkin County's activities include the promotion of waste reduction using various methods of education. In 1995, the County began participating in an annual event called "Environmental Education Day" which is held at the Long Lake Conservation Center in September. Four educational presentations are given at this event to sixth grade students in the County. Furthermore, periodic waste reduction and recycling presentations are made in the schools. Waste inventories are periodically conducted with businesses and the County complex. The County has ongoing distribution of source reduction brochures, flyers and posters. The County participates in several local events distributing literature. The County also sponsors a continuous advertising campaign using newspaper, radio and television advertising to reach businesses and residents.

At the regional level, Aitkin County also participated in the Northeast Waste Advisory Council 's (NEWAC) Waste Reduction Art Contest. The contest challenged sixth grade students to submit their best waste reduction idea or concept in the form of artwork with an essay describing their proposal. Every year Aitkin County has had multiple winners and has set the bar for other counties to meet. This contest has been removed from the regional agenda. To replace the Art Contest, Aitkin County provides a Recycling Relay to the sixth graders. In this relay, the kids remove items from a trash bag and attempt to place the items in the appropriate labeled plastic tote for final disposal. They are timed and scored on accuracy. They are also challenged on ideas to reduce and reuse waste products.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Provide better information to the public, including businesses and institutions, regarding solid waste costs.

- Establish a program to aid businesses in source reduction.
- Increase promotion of the Minnesota Materials Exchange program.
- Continue to participate in regional waste reduction programs such as the NEWAC Waste Reduction Art Contest.
- Continue to work with schools on waste reduction activities.
- Establish a cooperative working effort with Crow Wing County to share ideas and resources to reduce the amount and toxicity of waste generated within our counties.

RESPONSIBLE PERSONS:

Lead: Environmental Services Director
 Support: ESD Staff

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

104 hours x \$40 = \$4,160 annually

SOURCE OF FINANCING:

General levy and SCORE

IMPLEMENTATION SCHEDULE:

Currently underway.

B. Solid Waste Education

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to educate its citizens, businesses and institutions about all aspects of solid waste management. Aitkin County's goal is to educate the general public and business community on the how, why, when and where of reduce, reuse, recycle and repair, and that disposal of solid waste in the County must be carried out in an environmentally sound manner.

EXISTING PROGRAM:

Aitkin County utilizes various means of media to educate and encourage the public and business community to reduce, reuse & recycle. An integrated approach towards educational awareness includes the use of radio, videos, MPCA kits, newspapers, informational brochures, County environmental education days, environmental health meetings, open houses, health fairs, government days and direct contact. The combined use of these various forms of media and tools provides an overlapping blanket of awareness and educational material to the entire

population. Each type of media is used uniquely and has varying levels of effectiveness.

SPECIFIC PROGRAMS TO BE DEVELOPED:

Aitkin County will be focusing its efforts to increase recycling. The focus will be on two areas: 1) the business sector - which will include better annual reporting, and education about source reduction, recycling, problem material and hazardous waste management; and 2) citizen awareness on how, what and where of recycling in Aitkin County. In addition, we will be working on a cooperative working relationship with Crow Wing County to assist each other in various programs, especially with problem material and hazardous waste management.

RESPONSIBLE PERSONS:

Lead: ESD Director.
Support: ESD Staff, SWAC and volunteers.

REQUIRED STAFF TIME:

Staff time: 208 hours per year.

ESTIMATED PROGRAM BUDGET:

208 hours x \$40 = \$8,320 annually

SOURCE OF FINANCING:

General levy and SCORE

IMPLEMENTATION SCHEDULE:

Currently underway.

C. Recycling

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to provide an opportunity to recycle to the residents and businesses of Aitkin County. The County has met the opportunity to recycle collection requirements. It is the goal of Aitkin County to achieve state imposed goals for recycling.

However, achieving the required 35 percent recycling rate, without any yard waste or source reduction credits, will be very difficult for a sparsely populated county with little industry and located far from any of the recycling markets. In addition, transportation costs for collection and marketing of the recyclable materials increases the cost of recycling. Aitkin County supports the idea of working on a regional approach to reduce

costs of recycling. A regional materials recovery facility or locating recyclable material markets in the north-east region may help reduce cost. Aitkin County believes it will take a significant increase in state funding to achieve this goal.

EXISTING PROGRAM

Aitkin County strives to achieve and exceed state goals for recycling. Meeting state goals in Aitkin County is difficult given the rural nature of the County. Statewide, recycling rates are driven by an array of geographic, demographic and economic factors. Four of these factors include: manufacturing activity; waste generation per capita; curbside collection potential; and clustering of population. Briefly, counties with more manufacturing, less waste generation per capita; more population centers with greater than 1,000 persons (curbside potential); and a higher proportion of residents living in larger cities versus those with a number of small cities are critical factors that drive recycling rates. With the exception of less generation of waste per capita than the state average, Aitkin County does not fit the profile of optimal conditions conducive to achieving high recycling rates.

In 2012, Aitkin County's recycling rate was 21 percent. The submittal of annual reports by businesses is an area that still needs improvement. The County will continue work with businesses to increase the accuracy and number of returned annual reports.

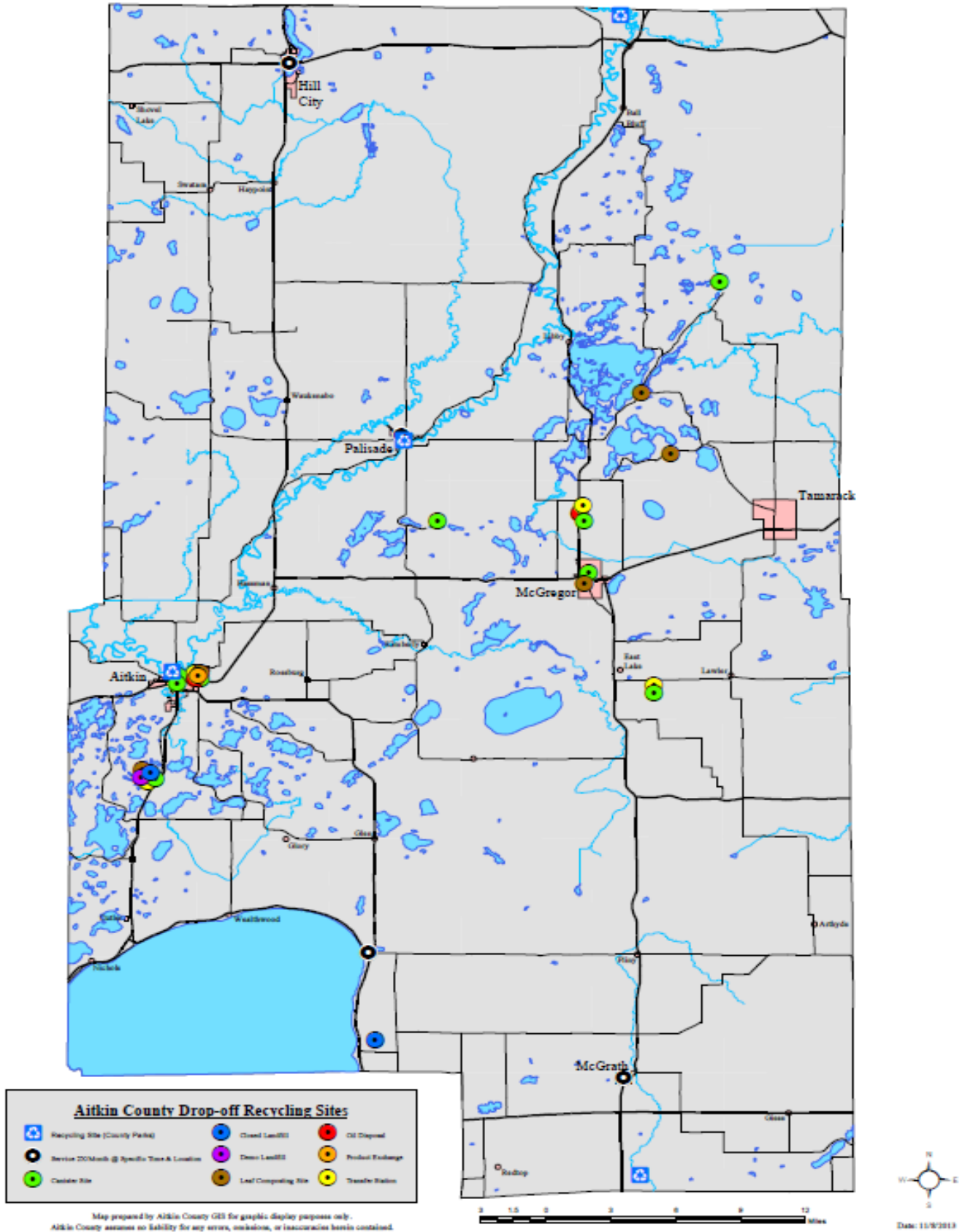
There is a large tonnage difference in the amount of recycled material collected from the year 2009 to 2010. The economic downturn saw less recycling by both the commercial and residential sectors. The largest commercial recycler, Aitkin Iron Works, is recycling about 100 tons per year less than in 2008. The reduction in residential recycling can be contributed to the economy. During recessions people buy less and with Aitkin County being a tourist destination we saw less seasonal use of properties.

As in any successful recycling program, convenience of use is paramount to public participation. Providing convenient recycling opportunities to all of the population is difficult. Approximately 16,202 people reside in 1,828 square miles in the County, with about 3530 people living within city limits. The City of Aitkin has a population of just over 2,000 people. With the exception of Hill City with a population of 633, all other communities are below 500 in population. Most of the population is spread out around the County at an average rate of less than 7 persons per square mile.

A successful recycling program also depends upon good market conditions for materials collected. Poor and volatile market conditions have been a problem for all processors that serve County programs. Improved market conditions would help to improve recycling in the County. Until market conditions significantly improve, it is imperative that the state substantially increase its funding to the rural counties in order to achieve a 35% recycling goal.

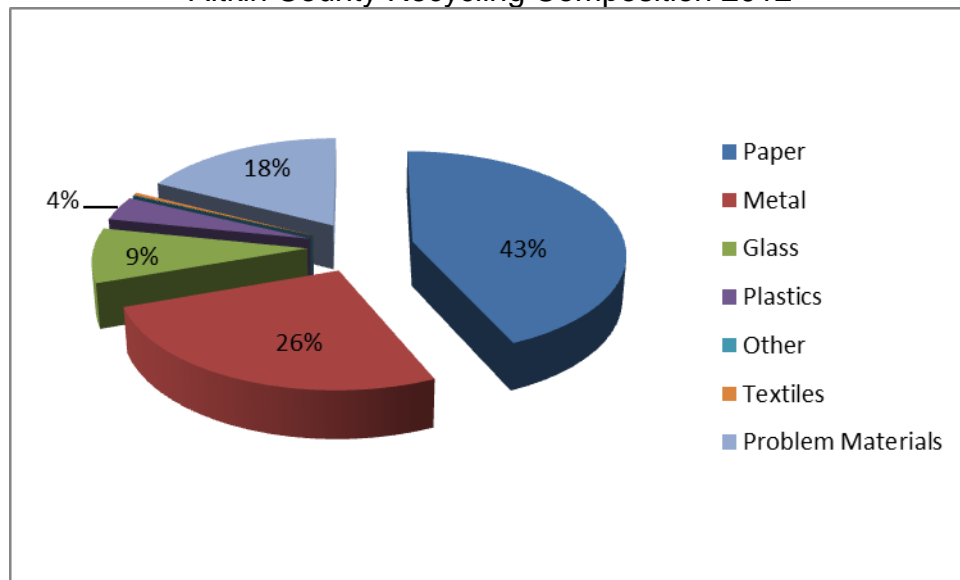
A map depicting locations of each recycling site, oil and oil filter recycling sites, transfer station/recycling center, leaf composting sites, and product exchange site is found below in Figure III-1.

Figure III-1



Materials collected, processed and marketed for year 2012 is contained in the 2012 SCORE Report in Appendix F and the goal volume table in Appendix A. Figure III-2 below depicts the types and, amounts of materials recycled in Aitkin County in 2012.

Figure III-2
Aitkin County Recycling Composition 2012



Aitkin County currently has curbside collection in the City of Aitkin.

The Aitkin County residential recycling center located on East Highway 210 in the City of Aitkin is owned by Aitkin County and operated by Garrison Disposal. The Aitkin County/Garrison Disposal Recycling Contract can be obtained from the Aitkin County Environmental Services Department. The recycling center is open Monday through Friday 8 a.m. to 5 p.m., Saturdays 8 a.m. to 12 p.m. Services other than listed below include aluminum can buy-back.

The Aitkin County Transfer Station located 3 miles north of the City of McGregor on Highway 65 is owned by Aitkin County and operated by J&H Transfer. The Transfer Station offers full recycling services. The Aitkin County/J&H Transfer Recycling Contract can be obtained from the Aitkin County Environmental Services Department. The Transfer Station is open 7 days a week.

There are 16 drop off recycling locations in Aitkin County at the following locations:

- | | |
|--------------------------------|-------------------------------|
| Aitkin County Courthouse | City of Malmo |
| Aitkin County Recycling center | City of McGrath |
| Aitkin County Transfer Station | City of McGregor |
| McGregor School | Savanna State Park |
| Aitkin High School | Rippleside Elementary School |
| City of Palisade | City of Hill City |
| Hill City School | Long Lake Conservation Center |
| Oakridge Demolition Landfill | J&H Transfer Station |

Materials recycled at curbside and drop off locations include:

- Corrugated
- Newsprint
- Office Paper
- Plastic #1, #2
- Glass
 - Brown
 - Green
 - Clear
- Aluminum
- Tin
- Phone Books
- Catalogs

Garrison Disposal offers commercial collection of recyclables that include; corrugated cardboard, glass, tin, aluminum and office paper.

There are three schools, two nursing homes and one hospital that recycle the following materials: Corrugated cardboard, plastic, paper, aluminum, tin and glass.

Aitkin County Courthouse facilities recycle plastic, glass, aluminum, corrugated cardboard, tin and paper. In addition, Aitkin County provides two used oil and oil filter collection sites at the following locations:

- Aitkin County Recycling Center, 36488 400th Ave, Aitkin, MN. The hours are Monday through Friday 8:00 a.m. to 5:00 p.m. and Saturday 8:00am to 12:00pm.
- McGregor Transfer Station, Highway 65, McGregor, MN. The facility is open 7 days a week. Summer hours are Monday thru Friday 8:00am to 4:00pm, and Saturday and Sunday 9:00am to 3:00pm.

Aitkin County has provided recycling shelters to four County owned and operated parks/campgrounds, Sandy Lake Recreational Area and Campground, and the McGregor City Hall. Materials collected are aluminum, tin, glass and plastic.

LOCAL MARKET CONDITIONS:

Aitkin County has no local markets for recyclable materials.

SPECIFIC PROGRAMS TO BE MAINTAINED:

Aitkin County plans to maintain its existing program and will increase its educational efforts to residents and businesses. If funding from the State is reduced, the recycling program will be reduced accordingly. Elimination of designated drop-off sites would be the first to be reduced based on volume of materials received versus cost to provide service.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Amend Solid Waste Ordinance to require licensed MSW haulers to report all wastes and recycled materials collected.
- If funding from the State is reduced, amend ordinance to require MSW haulers to provide recycling services to those customers requesting the service.
- Begin research and discussions on organized collection service.
- Increase educational efforts with the businesses to increase participation and reporting of materials collected.
- Explore opportunities to enhance or implement recycling opportunities focused on tourism and recreation.
- Locate sites for unattended recycling drop-off bins.

RESPONSIBLE PERSONS:

Lead: ESD Director.
Support: ESD Staff, SWAC.

REQUIRED STAFF TIME:

Staff time: 2080 hours per year.

ESTIMATED PROGRAM BUDGET:

2080 x \$40 = \$83,200 annually
Contract Services = \$75,000 annually
Operation, supplies and capitol expenditures = \$10,000 annually

SOURCE OF FINANCING:

General levy, SCORE and other grant funds.

IMPLEMENTATION SCHEDULE:

Aitkin County is continuously working to expand and improve recycling programs wherever possible. The County will continue to do this as well as plan and implement new programs where feasible.

D. Yard Waste

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to develop and implement programs that result in the proper management of all yard waste. It is the goal of Aitkin County to maintain yard waste drop off sites and to provide education, encourage backyard composting, and to consider the use of compostable materials for agricultural purposes.

EXISTING PROGRAM:

There are five (5) public drop-off sites for yard waste located within the County. These sites include the McGregor compost site located in the City of McGregor, Shamrock Township compost sites located on County Road 6 and 40, Oak Ridge Demolition Landfill and the Garrison Disposal facility in Aitkin .

Compost which is produced at the drop off sites is made available at no costs to residents. Finding a local market (residential use) is not difficult.

There is no curbside collection of yard waste within the County. Due to the rural nature of the County, yard waste is handled onsite by generators. Most residents simply mulch yard waste or compost yard wastes onsite.

The County provides information and education on the proper management of yard waste. The County distributes brochures, writes newspaper articles, discuss yard waste management at township meetings, community interest meetings, schools programs, County open houses, government days, health fairs, environmental education days, and the County fair.

SPECIFIC PROGRAMS TO BE DEVELOPED:

Aitkin County will maintain its current program with no substantial changes anticipated during the planning period. Without any curbside collection of yard waste it is difficult to quantify how many tons are being diverted form landfilling. Rural landowners have been in the habit of composting their yard waste for generations. Lawns in rural Minnesota are much larger than those in populated areas. Aitkin County believes the amount of yard waste being composted in Aitkin County exceeds 5% of the waste being generated.

RESPONSIBLE PERSONS:

Lead: ESD Director, Cities and Townships.

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

Contained in the Solid Waste Reduction budget.

SOURCE OF FINANCING:

General levy and SCORE.

IMPLEMENTATION SCHEDULE:

Currently underway.

ENVIRONMENTAL RISKS:

At this time Aitkin County has not experienced any problems with odor or leachate generation from yard waste composting. The environmental risks are minimal with yard waste composting. If problems do occur, Aitkin County will investigate the site and work with the owner and the MPCA on remediation. Occasional turning of the compost piles has aided in the composting process and reduces the potential for environmental and public health impacts.

E. Land Disposal of MSW

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to minimize the land disposal of solid waste and maximize the recovery of waste generated. It is the goal of Aitkin County to implement programs that prevent, reduce, reuse, recycle and recover waste. At this time, Aitkin County relies upon land disposal for 75 percent of its waste stream. Due to the lack of capacity for Aitkin County's waste at existing facilities, the extreme cost of waste processing, and the lack of local control of the waste, Aitkin County will continue to allow the private sector to determine where the waste in this County will be delivered. Aitkin County will continue with its waste abatement programs to reduce the County's reliance upon land disposal.

EXISTING PROGRAM:

There are two (2) closed landfills within Aitkin County: the Aitkin County Area Landfill and the Hickory Grove Landfill. Both landfills are enrolled in the Minnesota Pollution Control Agency (MPCA) Landfill Clean Up Program. Through enrollment in this program Aitkin County is mitigating the environmental and public health impacts of past land disposal practices.

Disposal of waste generated in Aitkin County which is not reduced, reused or recycled through the many and varied program elements described in this plan is disposed of at a mix of public and private facilities. Garrison Disposal operates a transfer station at their facility in the City of Aitkin. Lakes Sanitation operates a transfer station at their facility in McGregor Township and the Aitkin County transfer station 3 miles north of the City of McGregor on Highway 65. Solid waste collection and disposal in Aitkin County is privatized, allowing private MSW haulers to determine the final disposal point of the waste. Aitkin County does not collect or haul waste and does not direct MSW haulers to disposal facilities. MSW haulers are required to abide by all federal, state, and local rules and regulations.

In 2012 MSW haulers reported they delivered waste to the Elk River Landfill, Greater Morrison County Landfill, Itasca County Transfer Station, and the East Central Landfill in Mora. Tonnage disposed of at these facilities is included in the goal volume table (Appendix A). The Elk River Landfill is owned and operated by Waste Management, Inc, the East Central Landfill is owned by East Central Solid Waste Commission, The Greater Morrison County Landfill is owned and operated by Morrison County, and the Itasca County Transfer Station is owned and operated by Itasca County. In 2012, ninety-six percent (9688.18 tons) of the waste was delivered to The East Central Solid Waste Commission Landfill in Mora for final disposal, three percent (302.5 tons) of the waste was delivered to the Elk River Landfill in Elk River for final disposal, and one percent (64.68 tons) of the waste was delivered to the Greater Morrison County Landfill for final disposal.

Aitkin County has no involvement in the operation of the facilities used by MSW haulers to dispose of waste. Each facility is operated according to local, state and federal rules and regulations. Plans for future development of these facilities is the responsibility of the owners and operators of the facilities.

Many of the typical environmental problems at landfills involve the production and seepage of leachate. All three landfills that receive Aitkin County waste have leachate collection and treatment capacities. Methane gas is collected and turned into energy at the Elk River Landfill. Each landfill possesses financial assurance with the MPCA for closure, post closure and contingency actions. According to the MPCA, all cost estimates for the funds are currently adequate and payments are in compliance.

ENVIRONMENTAL AND PUBLIC HEALTH RISKS:

In general, landfills represent a threat to environmental and/or public health via air pollution, and surface and ground water pollution. In addition, second generation landfills, while seeming to provide adequate environmental safeguards for the foreseeable future, defer potential problems to future generations. We can reasonably assume that second generation landfills will not leak immediately, we cannot make assumptions that will be valid over geologic time frames. In addition, it is difficult to assess the global impact of landfill greenhouse gas production. The safest solution is to acknowledge the potential global impact and mitigate the impact as much as possible.

As indicated earlier in this Plan, Aitkin County has chosen land disposal as its best option for managing its solid waste for the next 5-10 year period. The prohibitive cost for small-scale incineration and composting facilities prevent Aitkin County from building and operating such a facility. The prohibitive costs of transportation, the lack of long-term capacity at existing facilities and the lack of flow control prevent the County from committing to these operations.

Instead of processing solid waste, the County will concentrate on the removal of recyclables and problem materials from the waste stream prior to disposal. The County intends to maintain and improve its source reduction, reuse, recycling, problem materials management and special waste management programs as described within

this plan.

SPECIFIC PROGRAMS TO BE DEVELOPED:

Aitkin County will provide appliance and waste tire collections as needed, an annual electronics collection and two Household Hazardous waste collections per year. In addition, in conjunction with one of the household hazardous waste collections a cleanshop/small quantity generator collection will be held. Depending on the number of appliances and tires collected, this program may be provided yearly. Prior to any appliance or waste tire collection event, Aitkin County will discuss the collection events with local nonprofit and charitable organizations to see if they will sponsor these collections as fund raising events.

Aitkin County will evaluate and implement programs if appropriate, in the following areas:

- Develop programs to bring the uncollected waste into the County's solid waste management system
- Propose changes to the solid waste ordinance to increase the amount and numbers of recyclables collected
- Evaluate options to reduce the toxicity of the MSW
- Continue to look into regional options for the management and processing of MSW and recyclables. Please refer to the recycling section in this Chapter.
- Continue discussions with Crow Wing County on developing a working relationship on the management of household hazardous waste and problem material management.
- Begin discussions with Crow Wing County, the East Central Solid Waste Commission and local haulers on partnering on a mattress recycling program.

RESPONSIBLE PERSONS:

Lead: ESD Director
Support: County Board of Commissioners, Facility Owners, Waste Haulers.

REQUIRED STAFF TIME:

Staff time: 2080 hours per year

ESTIMATED PROGRAM BUDGET:

Contained in the recycling budgets

SOURCE OF FINANCING:

Tipping fee's and General Levy

IMPLEMENTATION SCHEDULE:

Ongoing Process

F. Waste Tire Disposal and Recovery

GENERAL POLICY AND GOALS:

Aitkin County has established and is maintaining a program that provides for the proper management of, and complies with Minnesota Statutes for, all waste tires generated within Aitkin County.

EXISTING PROGRAM:

Public Sector:

Aitkin County offers a waste tire collection day as the need arises. Based on the amount of tires received, these collection events could be held yearly. The County will be discussing the waste tire collection events with local nonprofit and charitable organizations to see if they will sponsor these collections as fund raising events.

Aitkin County has contracted with Liberty Tire of Savage Minnesota, an MPCA licensed tire transporter, for transport to a permitted tire processing facility.

Private Sector:

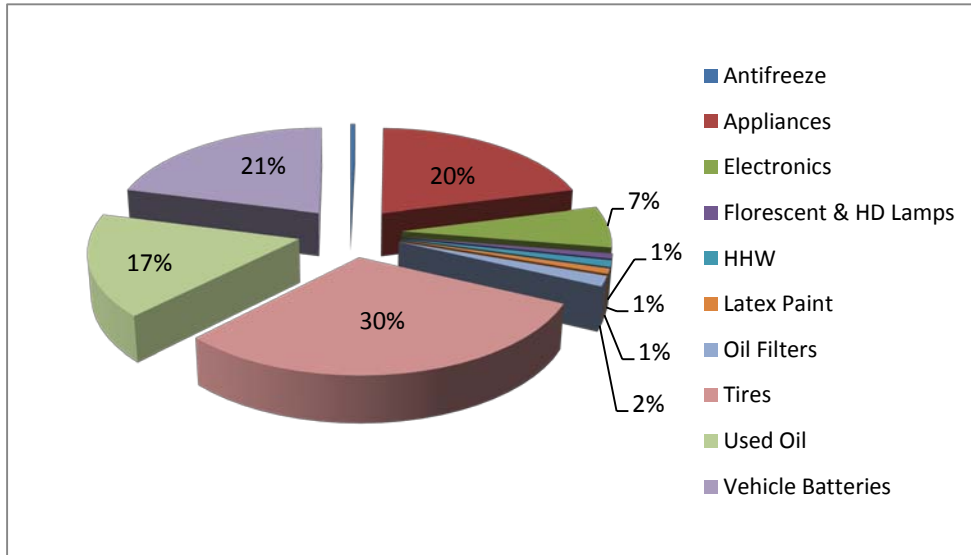
All tire retailers accept waste tires from their customers. These tires are periodically shipped to a licensed tire processing center.

Garrison Disposal, J&H Transfer and Oak Ridge Demolition Landfill accept waste tires from the public at their facilities for a fee. The fees vary from \$3.50 to \$5.00 for a car tire, \$4.50 to \$5.00 for a truck tire, \$8.00 to \$30.00 for a semi tire and \$10.00 to \$40.00 for a tractor tire. At this time, there are no permitted waste tire storage or processing facilities in Aitkin County.

The current solid waste ordinance does not specifically address waste tires. However, as a solid waste, the proper management of waste tires is provided for within the general terms of the ordinance. There are no known unpermitted waste tire dumps in the county.

In 2012, Aitkin County public and private entities collected 147 tons of waste tires representing 30 percent of problem materials collected that year. See Figure III-3 below.

**Figure III-3
Aitkin County Problem Materials Recovery 2012**



SPECIFIC PROGRAMS TO BE DEVELOPED:

- Continue to provide collection events for the disposal of waste tires.
- Work with local nonprofit and charitable organizations to see if they will sponsor waste tire collections as fund raising events.
- Begin discussions with Crow Wing County on sharing services, facilities and collection events.

ENFORCEMENT:

Aitkin County utilizes a complaint driven enforcement program. Owners of identified, non-permitted tire dumps will be required to clean the parcel to conform to Statute. County staff will work with the landowner to facilitate the clean-up, including working with the MPCA for funding, or if necessary, coordinated enforcement.

RESPONSIBLE PERSONS:

Lead: ESD Director.
Support: ESD Staff, Transfer Station Operators, Private Retailers.

REQUIRED STAFF TIME:

Staff time: 208 hours per year.

ESTIMATED PROGRAM BUDGET:

208 hours x \$40 = \$8,320

SOURCE OF FINANCING:

Program funding will be provided from tipping fees, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Aitkin County will continue with its existing programs. Discussions with local non-profits and Crow Wing County will be on an ongoing basis.

G. Electronic Products

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to ensure that a collection option for electronic products is provided and its citizens and businesses are educated about the proper management of electronic products. It is the goal of Aitkin County to ensure that electronic products are properly disposed.

EXISTING PROGRAM:

Electronic products are accepted at the Garrison Disposal Transfer Facility, McGregor Transfer Station and J&H Transfer during the year for a fee. Residents have been able to recycle electronic products free of charge during one-day annual collection events since 2011. These collection events will continue on an annual basis as long as the cost remains at a minimum and may be expanded to include businesses at the contractor’s discretion. During 2012, the County collected and processed 32.25 tons of waste electronics representing 7 percent of all problem materials collected during that time.

The following are the quantities of used residential electronics collected during the one day events:

<u>Year</u>	<u>Amount (lbs)</u>	<u>Amount (ea)</u>
2011	70,346	unknown
2012	30,002	1172
<u>2013</u>	<u>34,151</u>	<u>792</u>
TOTAL	134,499	

The existing program also includes educating residents through the waste education program discussed in Section 2.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Aitkin County will continue to hold free waste electronic collection events provided the cost to hold these events remains at a minimum. No substantial changes to the existing program are anticipated during the planning period.
- Aitkin County will begin discussions with Crow Wing County on joint efforts to manage waste electronics.

RESPONSIBLE PERSONS:

Lead: ESD Director and Transfer Station Operators

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

104 hours x \$40 = \$4,160.00

Funding will be provided from tipping fees, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Aitkin County will continue with its existing program. Discussions with Crow Wing County will be on an ongoing basis.

H. Major Appliance Management

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to ensure that a collection option for appliances is provided and its citizens and businesses are educated about the proper management of major appliances. It is the goal of Aitkin County to ensure that major appliances are properly disposed.

EXISTING PROGRAM:

Appliances are accepted at the Garrison Disposal Transfer Facility, McGregor Transfer Station, J&H Transfer Station and Oakridge Demolition Landfill. Residents have been able to recycle appliances free of charge at some facilities and during clean-up days. However, depending on the scrap markets they may be charged from \$20.00 to \$46.00 (if Freon) per appliance. All the facilities are self-hauling their appliances to Crow Wing Recycling.

The contractors are certified in requirements for collectors and transporters and in compliance with all local, state and federal regulations for proper capture and disposal of hazardous products contained in the appliances.

The existing program also includes educating residents through the waste education program discussed in Section 2. In 2012, the County collected and processed 99 tons of appliances representing 21 percent of all problem materials collected that year.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Aitkin County will continue to hold waste appliance collection events as needed, and will work with local non-profit organizations to hold waste appliance collection events as fund raisers.
- Aitkin County will continue discussions with Crow Wing County on joint efforts to manage waste appliances.

RESPONSIBLE PERSONS:

Lead: ESD Director and Transfer Station Operators

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

104 hours x \$40 = \$4,160.00

Funding will be provided from tipping fees, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Aitkin County will continue with its existing programs. Discussions with local non-profits and Crow Wing County will be on an ongoing basis.

I. Used Oil Management

GENERAL POLICY AND GOALS:

Aitkin County will continue to provide a convenient collection system for its residents. It is the goal of the Aitkin County to ensure that its citizens are educated on proper disposal of waste oil and the harmful environmental effects created by improperly disposed waste oil.

EXISTING PROGRAM:

There are two (2) locations for the disposal of used oil and oil filters within the County. The Recycling Center in Aitkin and the McGregor Transfer Station serve as collection points for oil and oil filters. The collection of used oil and oil filters is also provided by the public sector at oil retailers for recycling, or energy recovery, or have signs posted informing their customers of the nearest disposal site. Used oil and oil filters are

collected during the County household hazardous waste days. Antifreeze is collected for recycling at the two locations and during the household hazardous waste collections.

The County will continue to run ads and print literature regarding waste oil and filter management. During 2012, the County collected and processed 80 tons of waste oil; 8 tons of oil filters and 2 tons of antifreeze representing 19 percent of all problem materials collected during that time.

SPECIFIC PROGRAMS TO BE DEVELOPED:

Aitkin County will explore the locations of other waste oil collection sites with local retailers. Locations in the northern and southern-eastern areas of the County will be pursued first. If grant money is available and willing local retailers are found, additional collection sites will be established.

RESPONSIBLE PERSONS:

Lead: ESD Director, County staff

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

104 hours x \$40 = \$4,160

FUNDING SOURCE:

General levy, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Maintain existing programs.

J. Battery Management

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to encourage the proper disposal of motor vehicle batteries and household batteries. It is the goal of Aitkin County to ensure that its citizens are educated about the proper disposal of motor vehicle batteries and household batteries.

EXISTING PROGRAM:

Public Sector:

- Lead acid batteries are accepted at the McGregor Transfer Station and during the household hazardous waste collection events.
- In cooperation with the WLSSD, the County has drop off sites for the collection of button batteries in order to remove mercury and other metals from the waste stream. Batteries are collected at both hardware stores and the drug store in Aitkin. The batteries that are collected are sent to WLSSD for proper disposal. The County also accepts batteries at the household hazardous waste collections.

Private Sector:

- Lead acid battery retailers accept used batteries for recycling.
- Various stores accept button batteries.

In 2012, the County collected and processed 101 tons of vehicle batteries representing 21 percent of the problem materials collected during that time.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Expand the button battery and nickel/cadmium battery collection program.
- Expand the lead acid battery collection program in the private sector.

RESPONSIBLE PERSONS:

Lead: ESD Director, transfer station, battery retailers, and service stations.

REQUIRED STAFF TIME:

Staff time: 104 hours per year.

ESTIMATED PROGRAM BUDGET:

104 hours x \$40 = \$4,160

SOURCE OF FUNDING:

Tipping fees, General Levy, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

2014-2015-Expand button battery and nickel/cadmium collection programs.

2014-2015-Expand lead acid battery collection to the private sector.

K. Household Hazardous Waste Management

GENERAL POLICY AND GOALS:

Household hazardous waste makes up less than 1 percent of the waste

stream. However, it contributes more than 20 percent of the toxins in the total waste stream. It is the policy of Aitkin County to promote programs that reduce the level of HHW in the MSW waste stream. It is the goal of Aitkin County to maintain a comprehensive and ongoing public education and disposal program.

EXISTING PROGRAM:

- Public education programs consisting of print and broadcast releases and ads, community forums, displays at special events, and group presentations, all relating to reduction and proper management of HHW.
- Two (2) HHW collection events are held each year, at the recycling center in Aitkin, for citizens of Aitkin County. The collections are conducted in cooperation with the Western Lake Superior Sanitary District Regional HHW Program. The household hazardous waste collections are available at no cost to the citizens.
- One Clean Shop business collection at the recycling center in Aitkin is offered each year to the businesses that meet the VSQG criteria.

The collection events held in 2012 netted 5 tons of HHW materials for disposal.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Increase education efforts regarding HHW.
- Aitkin County has and will continue to discuss HHW and problem material management with Crow Wing County and other program managers. Convenience of location and economics will determine if and when a partnership will be developed. Both Counties realize the benefit of regional cooperation and will continue to work towards this goal.

RESPONSIBLE PERSONS:

Lead: ESD Director

Support: ESD Staff, WLSSD, County Staff, Sentence to Serve

REQUIRED STAFF TIME:

Staff time: 416 hours per year.

ESTIMATED PROGRAM BUDGET:

\$36,884.62 in 2012. Would expect the cost to increase slightly (1-2%) each year over the planning period.

SOURCE OF FINANCING:

General Levy, MPCA, HHW funds, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Increase education efforts will be ongoing.
Partnership with Crow Wing County and other program managers will be ongoing.

L. Demolition Debris

GENERAL POLICY AND GOALS:

It is the policy of Aitkin County to promote the proper disposal of demolition debris. It is the goal of Aitkin County to ensure proper and legal disposal opportunities exist within the County.

EXISTING PROGRAM:

Public Sector:

Aitkin County promotes proper management of demolition debris through an ongoing educational program consisting of media releases and ads, distribution of brochures and presentations to groups.

Aitkin County discourages Permit-by-Rule sites since the opening of the Oakridge Demolition Landfill located six miles south of the City of Aitkin. The wetland areas of Aitkin County limit the available area for permit-by-rule sites.

The McGregor Transfer Station accepts demolition debris from the public. The demolition material is hauled to the Oakridge Demolition Landfill by J&H Transfer.

Private Sector:

Garrison Disposal collects demolition debris at their facility and hauls the materials to the Oakridge Demolition Landfill.

J&H Transfer collects demolition debris at their facility and hauls the materials to the Oakridge Demolition Landfill.

Oakridge Demolition Landfill is owned and operated by Waste Management Inc. The landfill is located six miles south of the City of Aitkin. A transfer station consisting of MSW containers and recyclable containers are part of the operation. Waste tires, appliances and yard waste are also accepted at this site. All demolition debris generated in Aitkin County is directed to the Oakridge Demolition Landfill. 13,382 cubic yards of demolition debris was disposed of at this facility in 2012. The life of this site is expected to be about thirty-five years at the present disposal rate.

SPECIFIC PROGRAMS TO BE DEVELOPED:

Increase education on source separation of materials and types of acceptable materials.

RESPONSIBLE PERSONS:

Lead: ESD Director, Facility Operator, Transfer Station Personnel

REQUIRED STAFF TIME:

Staff time: 104 hours per year

ESTIMATED PROGRAM BUDGET:

104 hours X \$40.00 = \$4,160

SOURCE OF FUNDING:

Tipping fees, General Levy, and where applicable, SCORE funds and other grant funds.

IMPLEMENTATION SCHEDULE:

Continue with existing program.

M. Solid Waste Ordinance

SOLID WASTE ORDINANCE STATUS:

Aitkin County's Solid Waste Ordinance was adopted in the early seventies. The ordinance provides provisions for the proper management and disposal of all solid waste within the County. The ordinance includes collection and transportation licensing requirements for haulers. Implementation and enforcement of the solid waste ordinance has been problem-free. The entire ordinance can be found in Appendix E.

PLANNED AMENDMENTS:

The County plans to update the ordinance to require all solid waste and recycling haulers to submit annual reports, of all materials collected, as part of the licensing requirements.

Further amendments may be required to meet the state mandated recycling goals. One example would be to require all haulers to offer recycling services to their customers.

RESPONSIBLE PERSONS:

Lead: ESD Director.
Support: ESD Staff.

REQUIRED STAFF TIME:

Staff time = 520 hours per year.

ESTIMATED PROGRAM BUDGET:

520 hours per year X \$40 = \$20,800

SOURCE OF FUNDING:

Program funding will be provided from service fees, General Levy, and where applicable, SCORE funds and other grant funds.

N. Solid Waste Staff

EXISTING SOLID WASTE STAFF:

ESD Director (1.0 FTE),
ESD Compliance Officer (.5 FTE),
Secretary/Typist (0.5 FTE).
TOTAL – 2.0 FTE

FUTURE STAFFING NEEDS:

Aitkin County does not intend to change the staffing level of the Environmental Services Department during the planning period. Below is a breakdown of ESD’s existing staff and an estimation of what portion of time will be allotted to each solid waste category.

1. Reduction -	0.05	FTE
2. Education -	0.10	FTE
3. Recycling/MSW -	1.00	FTE
4. Yard Waste -	0.05	FTE
5. Tires -	0.10	FTE
6. Electronics	0.05	FTE
7. Appliances -	0.05	FTE
8. Oil -	0.05	FTE
9. Batteries -	0.05	FTE
10. HHW -	0.20	FTE
11. Demolition -	0.05	FTE
12. Ordinance -	0.25	FTE
TOTAL	2.0	FTE

O. Solid Waste Program Funding

GENERAL POLICY AND GOALS:

Aitkin County intends to fund the solid waste program, as needed, according to State law.

EXISTING PROGRAM:

Aitkin County solid waste program is currently funded by many sources. The 2012 figures are as follows:

General Levy	\$ 184,459.00
Solid Waste License Fee	\$ 600.00
Household Hazardous Waste	\$ 2,869.00
SCORE Funds	\$ 55,950.00
Miscellaneous Funding	\$ 4,490.00

FUTURE NEEDS:

Solid Waste Assessment as future source of funding for the Solid Waste Department of the Environmental Services Department. Please see Appendix G for a detailed 10 year budget forecast including revenue and cost projections.

P. Plan Review and Ten-year Update

The Aitkin County Solid Waste Plan will be the blueprint for solid waste operations for the next ten years. Elected officials, the Solid Waste Advisory Committee and staff will follow the plan as much as practicable for the duration of the plan. Planning for future needs will also continue during the implementation of this plan. Any major changes in the solid waste plan will result in an amendment and approval by the agency.

As programs are developed and implemented, staff will use the plan as a guide. Solid waste staff will review plan progress on a regular basis. The Environmental Services Director will consult this plan in development of the annual work plan and budget to ensure it is being implemented as approved by the appropriate agency. Major projects will be relayed to the County Board for approval.

PROCESS AND TIME LINES:

September 2013 - first draft of this plan to the MPCA

October/November 2013 - Acceptance of final plan by MPCA and adoption by County Board.

2013-2022 - Review and implementation of plan.

2023 – Develop new plan.

Q. Goal Volume Table

The goal volume table may be found in Appendix A.

R. Itemized Solid Waste Budget

For a complete, projected, ten-year budget please see Appendix G.

ASSUMPTIONS:

The following assumptions were used by the Minnesota Pollution Control Agency in developing Aitkin County's ten year budget projections:

1. 3% annual inflation.
2. County's population increases.
3. No increase in generation rates.
4. SCORE funding will remain constant.
5. Markets for recyclables will remain steady or improve.
6. Recycling contract will remain the same through the planning period.

S. Alternatives to MSW disposal options

Aitkin County will continue to rely on waste abatement to reduce the amount of waste landfilled. Aitkin County will look into programs to remove and/or increase the amount of electronics, tires, scrap metal, appliances and other problem materials collected from the waste stream. Aitkin County will increase its efforts to remove more of the recyclable materials from the waste stream. This will rely on additional funding from the State to achieve the mandated recycling rate. Market rates will determine where companies dispose of MSW. However, Aitkin County will continue to participate in regional planning to ensure the County has MSW management options available.

T. On-site and Illegal disposal - mitigation of environmental risks

GENERAL POLICY AND GOALS:

Aitkin County discourages and prevents illegal and onsite disposal of MSW through education and promotion of proper alternatives, providing disposal options and enforcement. The two (2) primary programs to mitigate environmental risk in Aitkin County are the development of the HHW program and educating residents about why it is preferable to use the canister and collection system.

Throughout the planning period the County plans to continue its educational program on the hazards of onsite and illegal disposal for rural residents and will attempt to bring more rural residents into the solid waste system. With education on the environmental hazards of onsite and illegal disposal and increasing availability of rural collection service the County intends to reduce the amount of waste disposed onsite. In addition, the County may investigate the option of organized collection within the County. If this were implemented, the amount of waste disposed of onsite should be reduced substantially.

The goal volume table located in Appendix A reflects that increasing education and rural collection will lead to decreasing onsite and illegal disposal. This will mitigate the impacts to air, surface water, groundwater, and public health and help to avoid nuisance conditions.

EXISTING PROGRAM:

- Complaint driven enforcement.
- Public education programs.
- Work with the NEWAC Counties on a Burn Barrel Campaign.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Expand the public education program to better inform the public of the risks and repercussions of improper disposal of solid waste.
- Use radio and newspaper public service advertisements to inform citizens of locations of drop-off or canister sites.
- Investigate additional areas and locations for drop-off or canister sites.
- Begin holding waste collection events and working with local non-profit organizations to hold waste collection events as fund raisers.

RESPONSIBLE PERSONS:

Lead: ESD Director.

Support: ESD Staff.

REQUIRED STAFF TIME:

Located in education and ordinance items.

ESTIMATED PROGRAM BUDGET:

Located in education and ordinance items.

U. Public Participation Program

GENERAL POLICY AND GOALS:

Aitkin County wants to provide access for all citizens to the planning process.

EXISTING PROGRAM:

Aitkin County has established a Solid Waste Advisory Committee to help in all aspects of solid waste planning. SWAC meetings are open to the public. SWAC recommendations are presented to the County Board at regular Board meetings, which are open to the public. SWAC members include: Environmental Services Director, 2 County Commissioners, 4 Waste Haulers, 3-5 Citizens and a Water Planning Task Force Member.

Records are on file in the Aitkin County Environmental Services Department, 209 2nd St NW, Aitkin, Minnesota.

SPECIFIC PROGRAMS TO BE DEVELOPED:

- Institute regular updates to the Solid Waste Advisory Committee and the County Board.
- Inform the public of solid waste management issues via the media on public informational meetings where appropriate.

RESPONSIBLE PERSONS:

Lead: ESD Director.

REQUIRED STAFF TIME:

Included in overall ESD Director job functions.

ESTIMATED PROGRAM BUDGET:

Included in ESD Director position budget.

IMPLEMENTATION SCHEDULE:

2013-2023 - Continue to conduct regular meetings with the Solid Waste Advisory Committee and inform the County Board of issues.

MSW imported from other Co's sent to a County Res. Rec. Facility

	0	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
	0	-	-	-	-	-	-	-	-	-	-	-	-
	0	-	-	-	-	-	-	-	-	-	-	-	-
Total MSW imported to WTE Facility	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported MSW Non-Processable MSW & Bypass MSW - %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL RECEIVED AT RR FACILITY in Co. - tons	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	10-Year Totals	

LANDFILL DISPOSAL

AVAILABLE Aitkin N71County MSW for Landfill Disposal Only													
County MSW to Send to Landfills	10,056	9,958	9,896	9,779	9,755	9,744	9,578	9,424	9,252	9,091	8,919	95,394	

DESTINATION LANDFILLS for the CO's MSW - tons

	-	-	-	-	-	-	-	-	-	-	-	-	-
Elk River Landfill	303	299	297	293	292	292	286	292	281	280	268	2,880	
Morrison County Landfill	65	65	65	65	65	65	64	62	61	59	58	629	
East Central Landfill	9,688	9,594	9,534	9,421	9,398	9,387	9,228	9,069	8,911	8,752	8,593	91,887	
Out-of-State Landfills	-	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-	-	-	-
Total All Co's MSW to ALL LF's - tons	10,056	9,958	9,896	9,779	9,755	9,744	9,578	9,424	9,252	9,091	8,919	95,396	
Solid Waste Processing Residue & Unacceptable waste	-	-	-	-	-	-	-	-	-	-	-	-	-
Total County Solid Waste to Landfill	10,056	9,958	9,896	9,779	9,755	9,744	9,578	9,424	9,252	9,091	8,919		

Landfill CAPACITY USE at All Landfills Receiving County Solid Waste - cubic yards compacted In-Place + cover													Cu Yds
LF's Capacity Use including Cover	15,471	15,320	15,225	15,045	15,008	14,991	14,735	14,498	14,234	13,986	13,722	146,764	

On-Site Disposal - bury, burn barrel, open burning

Population using On-Site Disposal of MSW	1,199	1,199	1,199	1,199	1,199	1,199	1,199	1,199	1,199	1,199	1,199	
On-Site Disposal of MSW - tons	503	503	503	503	503	503	503	503	503	503	503	5,033

PERCENTAGES for the County's SOLID WASTE MANAGEMENT SYSTEM

Industrial & other Non-MSW Waste to MSW LF in Co -tons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total SOLID WASTE REC'D @	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>CUBIC YARD CAPACITY USE -- COMPACTED IN-PLACE</u>													
Generic Co MSW to - cu yds	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Waste cy use @	-	-	-	-	-	-	-	-	-	-	-	-	-
MSW + Industrial Solid Waste cy USE	-	-	-	-	-	-	-	-	-	-	-	-	-
COVER MATERIAL - <i>intermediate & final</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL LF CAPACITY USE - SOLID WASTE + COVER	-	-	-	-	-	-	-	-	-	-	-	-	-
Remaining PCA Permitted LF Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-

Demolition and Construction Debris Disposal Site Information

County X C&D Landfill -- cy received	-	-	-	-	-	-	-	-	-	-	-	-	-
YYY Privately Owned C&D LF -- cy received	13,382	13,489	13,597	13,706	13,815	13,925	14,038	14,152	14,265	14,379	14,492		
ZZZ Private Company's C&D LF -- cy received	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary One-Time-Use C&D disposal sites -- cy	-	-	-	-	-	-	-	-	-	-	-	-	-
total cy to C&D disposal sites	13,382	13,489	13,597	13,706	13,815	13,925	14,038	14,152	14,265	14,379	14,492		

Appendix B



Minnesota Pollution Control Agency

<http://www.pca.state.mn.us>

* ARCHIVED CONTENT *

Project Summary and Results

Minnesota is a national leader in the responsible management of municipal solid waste (MSW). But even with a recycling rate of 46%, the state discarded nearly 3 million tons of MSW in 1998. This waste composition study is part of a continuing effort to measure and understand the waste generated in Minnesota.

The state has extensive data collected on the quantities of waste discarded and recycled in Minnesota since 1989. The waste sort data focus on what is in that 3 million tons of waste, and help identify what kinds of waste are generated.

This 1999 waste sort builds on the efforts of a sort conducted in Minnesota in 1990-1992, providing an opportunity to compare the changes in Minnesota's waste in the last decade.

The Solid Waste Management Coordinating Board (SWMCB), the Minnesota Pollution Control Agency (MPCA) and the Office of Environmental Assistance (OEA) wanted to develop a representative, statistically defensible estimate of the composition of Minnesota's municipal solid waste (MSW) stream. They hired R. W. Beck, Inc. and GRG Analysis to conduct the study.

The statewide MSW composition study is based on field sorting events around Minnesota between September 27 and November 20, 1999. The data are compiled from 390 samples — nearly 95,000 pounds of MSW.

ON THIS PAGE

- Objectives
- Participating facilities
- Materials sorted
- Statewide summary
- Residential vs. Non-residential
- Program implications
- Recommendations

Study Objectives

- Establish a baseline for measuring future success in achieving waste management objectives;
- Assist the partners in setting future policy direction and management priorities; and
- Assess progress in reduction and recycling since the 1991/1992 MPCA study.

Participating Facilities in the Study

Waste for the study was collected at eight facilities around Minnesota. The goal was to collect waste that was representative of the discards around the state. The selected facilities included two municipal solid waste landfills, two transfer stations, two waste-to-energy (WTE) facilities, one MSW composting facility, and one refuse-derived fuel (RDF) production facility. The state was divided into two regions:

- **Metropolitan Region**, which includes the six member counties of the Solid Waste Management Coordinating Board — Ramsey, Washington, Anoka, Hennepin, Dakota and Carver. These five facilities manage about 72% of the region's solid waste. Based on 1998 numbers, the Metropolitan region produced 1.84 million tons of MSW — 61% of the state's total.
 - Brooklyn Park Transfer Station (Brooklyn Park, Minn.)
 - Burnsville MSW Landfill (Burnsville, Minn.)
 - HERC Waste-to-Energy (WTE) (Minneapolis, Minn.)
 - NRG Newport Refuse-Derived Fuel Production Facility (Newport, Minn.)
 - Waste Management/United Waste Transfer Station (St. Paul, Minn.)
- **Greater Minnesota** includes counties in Minnesota that are not members of the Solid Waste Management Coordinating Board. These three facilities manage about 9% of all the waste collected in Greater Minnesota. Based on 1998 numbers, the Greater Minnesota region produced 1.16 million tons of MSW — 39% of the state's total.
 - Polk County Waste-to-Energy (WTE) (Fosston, Minn.)
 - Prairieland MSW Composting Facility (Truman, Minn.)
 - St. Louis County MSW Landfill (Virginia, Minn.)

How Materials Were Sorted in the Study

What is "Municipal Solid Waste (MSW)"?

The Minnesota Waste Management Act (Minn. Stat. § 115A) defines municipal solid waste as follows:

Subd. 21. Mixed municipal solid waste.

(a) "Mixed municipal solid waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities that the generator of the waste aggregates for collection, except as provided in paragraph (b).

(b) Mixed municipal solid waste does not include auto hulks, street sweepings, ash, construction debris, mining waste, sludges, tree and agricultural wastes, tires, lead acid batteries, motor and vehicle fluids and filters, and other materials collected, processed, and disposed of as separate waste streams, but does include source-separated compostable materials.

What materials were included?

The waste samples were sorted into 8 broad categories of materials. Including sub-categories, there were 59 categories in all.

- **Paper.** The selected paper subcategories were consistent with present specifications for most recycling programs in Minnesota. Newsprint, high grade, and magazines were each included as separate subcategories and, in addition, the subcategories of boxboard and mixed recyclable paper were added. The old corrugated containers (OCC) were subdivided into "uncoated - recyclable," "uncoated - nonrecyclable," and "coated OCC" to further analyze the types of OCC being disposed. A "catch-all" category for nonrecyclable mixed paper was also included.
- **Plastic.** For both polyethylene terephthalate (PET) and high density polyethylene (HDPE), distinguishing uncolored from colored grades was necessary to be consistent with the sensitivity of these plastic resins to existing recycling markets. Thus, PET was subdivided into "bottles/jars - clear," "bottles/jars - colored" and "other PET." HDPE was subdivided into "HDPE - natural" and "HDPE - colored." Film plastics were subdivided into two subcategories - "film-transport packaging" and "other film" - to distinguish pallet wrap from other film.
- **Metals.** The selection of the subcategories for this primary category was relatively straightforward. Aluminum and ferrous were each subdivided into "containers" and "non-containers" with an additional separate category for "other non-ferrous."
- **Glass.** This primary category is divided into "containers" and "non-containers." Because of the varying markets for colored glass containers, this category was divided into clear, brown and green glass.
- **Organic Materials.** Yard waste was divided into "woody material" and "grass and leaves" because of different material handling and processing needs. Wood was subdivided into wood pallets, treated wood and untreated wood. Wood pallets are generally perceived as materials with primarily a commercial origin that compose a measurable portion of the organic materials in the MSW stream. Recovery of wood is generally limited to untreated materials because of toxicity concerns in the treated wood.
- **Problem Materials.** The selection of problem materials subcategories hinges on identifiable materials that are likely sources of trace metals such as lead, cadmium and mercury, yet may provide potential materials recovery opportunities. As a result, batteries were selected as a subcategory. Televisions and computers were identified as separate subcategories. These products were included as separate subcategories from "electric and electronic products" because of their potential recovery opportunities and toxicity concerns. Computers were subdivided into the additional subcategories of monitors and non-monitors because of the different handling and recovery requirements associated with each of these components.
- **Household Hazardous Waste/Hazardous Waste (HHW/HW).** With HHW/HW, the challenge was to identify a range of subcategories that is comprehensive in reflecting the various types of HHW/HW but consistent with specific programs. Second, the issue of empty vs. non-empty containers also raises both safety and material categorization issues. To distinguish "empty" from "non-empty" HHW/HW, subcategories included only containers with product. A separate category for empty HHW/HW containers was created, but was included in the primary category of "Other Waste." The HHW/HW category distinguishes between latex and oil paints, as well as automotive used oil/filters and other automotive products such as anti-freeze. A "catch- all" subcategory for other HHW/HW was also included. A total of eight HHW/HW subcategories were selected.

- **Other Waste.** A miscellaneous set of subcategories that include more prominent items such as textiles, carpet, rubber, and sharps and infectious wastes. In addition, separate subcategories for construction and demolition debris (excluding wood) and household bulky items (furniture and mattresses) were included. As previously mentioned, this primary material category includes a subcategory for empty HHW/HW containers. A "catch-all" subcategory termed "miscellaneous" was also included.

What was excluded from the study?

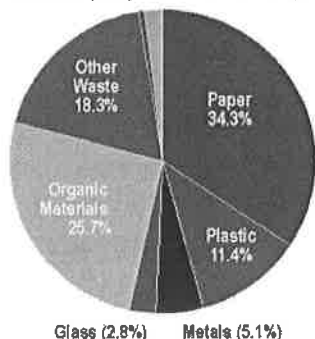
Because the study focused on MSW, the sampling protocol attempted to exclude loads that could be clearly identified as composed of non-MSW, such as construction and demolition (C&D) wastes, special wastes (i.e. ash, grit, etc.) or other industrial processed wastes. All selected loads were assumed to be MSW unless they appeared to contain exclusively non-MSW. A few loads were excluded from the study, including some which contained exclusively C&D wastes.

Read Section 3-Study Design for more details.

Statewide waste sort results

The statewide figures are based on 380 samples from the 8 facilities — over 90,000 pounds of MSW. Here is the breakdown of materials in Minnesota's garbage. These figures include waste from both residential and industrial/commercial/institutional (ICI) sources.

HHW / HW (0.6%) Problem Materials (1.9%)



Aggregate Composition by Primary Material Category (by weight)			
Material Categories	Mean	90% Confidence Interval	
		Lower	Upper
Paper	34.3%	32.4%	36.5%
Plastic	<1.4%	10.6%	12.3%
Metals	5.1%	4.6%	5.8%
Glass	2.8%	2.5%	3.2%
Organic Materials	25.7%	24.1%	27.8%
Problem Materials	1.9%	1.5%	2.4%
HHW / HW	0.6%	0.5%	0.8%
Other Waste	18.3%	16.8%	20.2%
Total	100.0%		

Totals may be greater than 100% due to rounding.

See Section 4-Study Results for much greater detail.

Waste generation: Residential vs. Non-residential

The study design and sampling methods were intended to identify how much of the state's waste comes from the **residential sector** (including both single-family and multi-family residences) compared to the industrial/commercial/institutional (ICI) sector.

Breakdown by sector

Sampled loads were classified as residential, ICI, or mixed waste. In addition to a visual inspection, the team interviewed the driver to discern loads that should be classified as residential as opposed to ICI. "Mixed waste" included waste from both the residential and ICI sectors.

	Share	Tons
Residential	50-55%	608,000 tons*
ICI	50-45%	538,000 tons*
*Mean tonnages based on 1998 figures.		

These results are based on the sorts in the Metropolitan Region, where enough loads could be identified by their source. The results are consistent with the idea that the industrial/commercial/ institutional (ICI) sector recycles more of its wastes.

Significance

Understanding the proportion of residential to ICI waste is important as Minnesota plans for future management of solid waste in the state.

- **Better targeting of recycling efforts.** The growth of Minnesota's recycling rate has slowed in recent years. Planners and recycling coordinators in the state can use the waste sort data to see which recyclable materials are going into the trash instead of into local recycling programs. Educational efforts can be focused on improving the collection of materials, and planning can be directed towards materials that are found in MSW in large quantities.
- **Improving the per capita calculations for waste generation.** How much waste does the typical Minnesotan produce each year? The easiest way to answer is to divide the total waste generation by the state's population, but that includes waste from businesses. This waste sort gives planners a better idea of the quantities and types of wastes consumers are throwing away.

See Section 5 for more details.

Program Implications

One of the primary objectives of the study was to establish a baseline for measuring the impacts of future program activities. The results of the study are to be used in conjunction with the SWMCB's Master Plan and the OEA's Policy Report.

A review of the 20 largest material categories by weight reflects the following:

- Source reduction opportunities exist for a number of materials, including food waste, OCC, wood pallets, mixed paper and office paper. For household bulky items like furniture and mattresses, reuse options are available in some areas.
- At least 8 of these material categories can be considered readily recyclable: OCC, wood pallets, recyclable mixed paper, office paper and boxboard.
- Opportunities exist to compost several of these categories, including food waste, non-recyclable mixed paper and diapers.
- Two of the 20 categories, which in fact are the same material but from both residential and ICI sources, are considered as a problem material: treated wood.

Overall, the SWMCB's Master Plan focus on promoting source reduction and recycling of food waste and packaging materials (commercial and transport) is consistent with opportunities identified in the study.

Recommendations

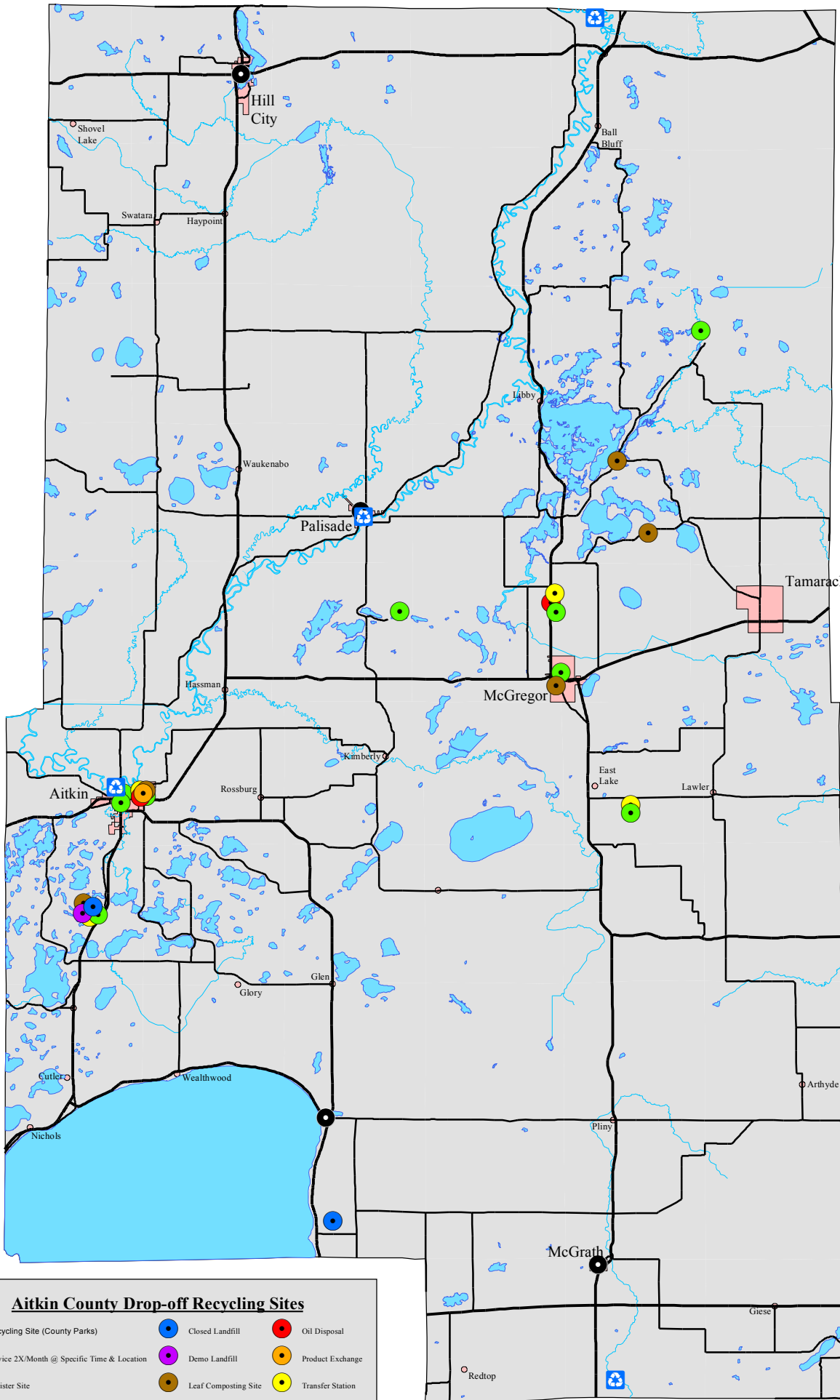
As the SWMCB, MPCA and OEA consider moving forward, we recommend the following activities:

- Conducting generator-based waste studies to identify reduction and recycling opportunities at the point of generation;
- Promoting additional residential waste abatement efforts as at least half the remaining MSW is from residential sources;
and
- Conducting additional field sorts of MSW facilities in Greater Minnesota.

[Download the report](#)

Last modified on October 02, 2013 13:01

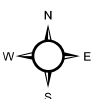
Minnesota Pollution Control Agency | 651-296-6300, 800-657-3864 | webteam.pca@state.mn.us



Aitkin County Drop-off Recycling Sites

Recycling Site (County Parks)	Closed Landfill	Oil Disposal
Service 2X/Month @ Specific Time & Location	Demo Landfill	Product Exchange
Canister Site	Leaf Composting Site	Transfer Station

Map prepared by Aitkin County GIS for graphic display purposes only.
 Aitkin County assumes no liability for any errors, omissions, or inaccuracies herein contained.



Date: 11/8/2013

RECYCLING AGREEMENT

THIS AGREEMENT, is made and entered into this November 23, 2010, by and between the County of Aitkin, a political subdivision of the State of Minnesota, hereinafter "County" and Paul B. Fischer doing business as Garrison Disposal Company, Inc. located at P.O. Box 277, Aitkin, MN 56431, hereinafter "Contractor".

For the purpose of this Agreement, Paul B. Fischer and Garrison Disposal Co., Inc. shall be deemed an independent Contractor, and not an employee of the County. Any and all employees, members or associates of the Contractor or other persons, while engaged in the work or services required to be performed by the Contractor under this Agreement, shall not be considered employees of the County. Any and all claims that may or might arise on behalf of said employees or other persons as a consequence of any act or omission on the part of said employees or the Contractor shall in no way be the obligation or responsibility of the County.

WITNESSETH:

WHEREAS, County has determined that reduction of the County's solid waste stream through county-wide recycling is in the public interest; and

WHEREAS, County has requested proposals from qualified companies interested in performing county-wide recycling services for the County; and

WHEREAS, the proposal of the Contractor has been received and determined by the County to be the most responsive proposal received at the best services value for the estimated costs; and

WHEREAS, representatives of the County and the Contractor have met to negotiate the detailed terms of this Agreement contained herein;

NOW, THEREFORE, in consideration of the mutual promises and agreements herein set forth, the parties agree as follows:

1. **DEFINITIONS:** The terms used within this Contract shall be defined according to the definitions contained in Attachment A: "Program Definitions" (incorporated herein to this Agreement).
2. **CONTRACTOR'S OBLIGATIONS:**
 - A. **Collection** This collection service element of this Agreement pertains to the installation, maintenance and servicing of the drop-off system for collecting recyclables.
 1. **Residential Recyclable Materials** This collection service element is primarily targeted towards the collection of recyclables derived from residents' (both permanent and seasonal) households.
 2. **Collection of Drop-Off Recyclable Materials** This collection service element pertains only to materials deposited by residents and other users at designated

drop-off centers as listed in Attachment B. This collection element does not pertain to the collection of materials from residents via "curbside collection" programs (pick-up on a house-to-house, or business-to-business basis) that may be offered by haulers as services to their customers.

The County reserves the exclusive right to designate and establish new or alternative designated drop-off centers to be serviced by the Contractor within Aitkin County. The Contractor shall commence servicing alternative designated drop-off centers within thirty (30) days after written notice of said designation.. In the event the County establishes a new designated drop-off center(s), any additional compensation to be paid to the Contractor for servicing said site or sites shall be negotiated and agreed upon before the Contractor shall be obligated to service the same.

3. Rights of Other Haulers Other haulers collecting recyclables, but not under contract with the County, shall be allowed to unload their recyclables at the Aitkin County recycling facility subject to the posted processing / marketing prices or tipping fees (see Section 2.C.6 "Buy Back Operation at the County's Recycling Facility").

Recyclable material from other haulers must be of sufficient quality. Eligible materials received shall be consistent with the list of designated recyclable materials (Attachment C to this Agreement). The Contractor shall retain the rights to establish more specific grades of material categories, inspect recyclable materials from other haulers, and judge the quality of those materials. The Contractor may reject selected categories of materials or full loads if these materials or loads do not meet reasonable quality standards.

The Contractor may establish written recyclable material quality specifications. Before implementation, the County shall first approve these specifications. The County shall retain the right to require adoption of written material specifications.

4. Collection of MSW from Attended Sites The Contractor shall provide garbage removal services, for a posted price as determined by the Contractor, at all attended drop-off sites.
5. Provide and Maintain Containers The Contractor shall be responsible for purchase and installation of compartmentalized roll-off containers, or other suitable substitute containers, with adequate capacity and dimensions to serve the collection program needs.
6. Glass Collection The Contractor shall provide adequate capacity for separate collection and unloading of mixed-color glass.
7. Servicing Containers The Contractor shall provide adequate servicing of the drop-off containers. Full containers shall be promptly removed and replaced by empty containers.
8. Site Clean-Up The Contractor shall clean up all material deposited by residents at the designated drop-off site. No material, debris, litter or other form of solid waste resulting from the recycling program shall be left at the site.

The Contractor's employees shall handle all containers with reasonable care to avoid damage, shall replace all containers in an upright position, and shall immediately clean up and dispose of any contents thereof that may be spilled.

9. Frequency of Collection from Unattended Drop-Off Sites The Contractor shall remove full containers on an "on-call" basis from unattended drop-off sites.
10. One-Day Notice for Collection of Unattended Containers The County will require the site host to monitor the unattended recyclables roll-off container(s) to determine when it is full and needs servicing. The site host shall contact the Contractor to request servicing of full container(s). The Contractor shall have one business day from the time of said notice to provide collection of the full container and replacement with an empty container.
11. Required Use of the Aitkin County Recycling Facility The Contractor shall use the County's recycling facility for transfer and / or processing.
12. All Full Roll-Off Containers to be Weighed The Contractor shall weigh all full recycling roll-off containers before unloading at the County Recycling Center to obtain the gross weight of the recyclables. Upon unloading, the Contractor shall then weighing the empty containers to obtain tare weights. A net weight shall be calculated and recorded on the weight ticket.
13. Weights in Other Containers May be Estimated Amounts of recyclables collected in containers other than roll-off boxes (for example, rear-load dumpsters, bins, etc.) may be estimated, rather than weighing each container, using standard industry practices. The methodology for such estimates shall be noted within monthly collection reports.
14. Collection Records The Contractor shall maintain a log of all collection operations by designated drop-off center. Site-by-site data to be collected shall include, but are not limited to: date and time of collection; mileage; gross, tare and net weight of recyclables collected; relative fullness of each compartment (e.g., paper compartment 90% full; metals / plastic compartment 100% full; and glass compartment 75% full); notes as to level of contamination in the container by compartment; and notes about overall cleanliness of the site (e.g., illegal dumping, etc.).
15. Monthly and Annual Collection Reports The Contractor shall provide a monthly report to the County including a summary of collection data, in a format specified by the County. Monthly reports shall be due by the 15th of each month for data covering the previous month. Monthly collection reports shall provide site-by-site and total data including, but not limited to: frequency of collection; net weight of recyclables; net weight of MSW if an attended site; average fullness by recycling compartment; generalizations about levels of contamination in the recycling containers; and generalizations about the overall cleanliness of the site.

Monthly and annual collection reports shall provide, at a minimum, data about the source and type of tons collected by the Contractor, including, but not limited to: Aitkin County drop-off recyclables collected pursuant to the collection

requirements of this Contract; Aitkin County residential recyclables collected curbside; Aitkin County non-residential recyclables; and non-Aitkin County recyclables collected outside of the county.

Annual reports shall provide sum totals for each year of data contained in the monthly reports, in a format specified by the County. Annual reports shall be due by February 15 of each year for data covering the previous year.

16. Transition Period Clean-Up Services The Contractor shall provide clean-up of sites that have transitioned away from unattended to attended collections. This additional collection / removal service is expected to be necessary until residents become fully adjusted to the new schedule as proposed in the base program. The County shall first authorize any such special collections on a case-by-case basis. Proposers should include a separate line item cost component in their proposals for these special transition period clean-up services.

B. Public Relations / Public Education

1. Brochure The Contractor shall publish a recycling public education brochure that itemizes the list of acceptable and unacceptable materials as specified by the County. The brochure shall also have recyclables preparation instructions for residents. The brochure shall also list the locations and collection schedule for all designated drop-off centers. The Contractor shall provide the County with a draft of the brochure for approval prior to final printing and dissemination.
2. Phone Answering System The Contractor shall implement and maintain a phone answering system that provides answers to residents questions about the County's recycling programs and provides a direct means of communicating service complaints.

The office or answering service shall be in service with continuous supervision during the hours of 8:00 a.m. to 5:00 p.m. Monday through Friday and 8:00 a.m. to 1:00 p.m. Saturday. Address and telephone number of such office or answering service and any changes therein shall be the address and telephone number of the Contractor.

3. Relations with Site Hosts The Contractor shall assist the County in maintaining and improving good relations with local site hosts. The Contractor will be encouraged to provide other services or amenities to increase the incentives for hosts of unattended drop-off centers to improve site monitoring.
4. Instructional Signs at Drop-Off Sites The Contractor shall provide and install signs at each designated drop-off site that itemizes the type of recyclable materials acceptable and unacceptable for each commodity. The Contractor shall provide the County with a draft design and mock-up (including actual text) of the signs for County approval before final production and installation.
5. Container Compartment Labels The Contractor shall provide and install labels for each compartment in their recycling container to make clear to residents where each materials belongs. The Contractor shall provide the County with a draft of the compartment labels for approval prior to final printing and installation.

- 6. Other Public Education Opportunities The Contractor shall be encouraged to seek, develop and implement other public education opportunities to help improve recycling participation, recovery rates and compliance with resident preparation instructions.

C. Processing / Marketing

- 1. Operation of County Recycling Facility The Contractor shall operate and maintain the County's recycling facility in the City of Aitkin. The County owns the land and building only. Routine operations and maintenance shall be the responsibility of the Contractor. Routine operations and maintenance shall include, but not be limited to: operation / payment of all utilities, regular site / building clean-up, litter control, snow plowing, minor repairs, etc. Major capital improvements shall be the responsibility of the County.

The Contractor shall acquire, install and maintain its own processing equipment at its own expense.

The County recycling facility shall be open to the public for depositing materials during the following hours:

Monday through Friday:	7:30 a.m. to 4:00 p.m.
Saturday:	8:00 a.m. to 1:00 p.m.
Sunday:	Closed
Holidays:	Closed

These are the minimum hours that the County's recycling facility shall be open to the public for purposes of depositing materials at the public drop-off containers. These hours may not reflect the actual operating hours of processing and / or transfer at the recycling facility.

The Contractor shall specify the annual holiday schedule where the County recycling facility will be closed to the public. This holiday schedule should be included in the annual brochure published by the Contractor (see Subsection 2.B.1).

- 2. Processing or Transfer of Materials from Drop-Off Centers The Contractor shall specify in writing the intended plan of operations for the County's recycling facility including, but not limited to: safety, storage (both inside and outside the building), sorting, baling, and other materials handling (e.g., forklift, bobcat, etc.). The basic components of this facility-operating plan may not be changed without prior written approval by the County.
- 3. Marketing of Materials The Contractor shall be primarily responsible for securing adequate, long-term, end-markets for recyclable materials collected and processed for the duration of this Recycling Agreement. The only exception is mixed-color glass that will be the responsibility of the County to process and

market. (See Subsection 2.C.4. immediately below, "Interim Storage of Mixed Color Glass".)

4. Interim Storage of Mixed-Color Glass The County shall specify a location where the Contractor may deposit the mixed-color glass for interim storage. The County will take responsibility for the mixed-color glass upon inspection and unloading at the designated interim storage location. No other materials, other than mixed-color glass specified by the County, shall be deposited at the interim storage site.

The Contractor may perform a sort on the glass received from unattended drop-off sites to assure that contaminants (e.g., paper, plastic, metal) are removed so that the glass is unloaded at the interim storage location in relatively pure glass form. As an alternative to this sorting / cleaning of glass, the Contractor may establish additional markets for contaminated glass other than the County specified interim storage site.

The current designated interim storage location for mixed-color glass is the County property in Farm Island Township, immediately north and adjacent to the demolition landfill, west off of Highway 169, approximately five miles south of the City of Aitkin. The County may specify a different interim storage location after the year 2011. Any change in location that results in significant change in hauling costs to the Contractor will be considered a triggering event for renegotiation of the contracted cost of processing / marketing.

5. Processing / Marketing of All Other Recyclables The Contractor shall be responsible for design, installation, and operation of the recyclable materials processing and marketing elements of the County's recycling system (excluding the County Recycling Facility building).

This provision is for all recyclables other than mixed-color glass from attended drop-off sites. (See Subsection 2.C.4. immediately above, "Interim Storage of Mixed Color Glass".)

Processing / marketing services shall include, but are not limited to: securing purchase commitments from markets (including quality specifications); receiving of materials from drop-off centers, interim storage; shipment to markets; and disposal of process rejects. Costs of rejects disposal shall be the responsibility of the Contractor.

Processing / marketing services may include: transfer without further processing; sorting; and densifying (e.g., baling).

6. Buy Back Operation at the County's Recycling Facility The Contractor shall implement a buy back operation at the County's recycling facility to provide for purchase of all specified recyclable materials at a competitive price. The buy back price shall be established by the Contractor by material on a monthly basis and reflect the following factors: market value of the specific material; cost of handling / processing to prepare for market; and competing prices at other similar buy back facilities in the immediate region. The Contractor shall maintain a current buy back price schedule available for distribution to the public and submit

a copy to the County at the time of any price changes. The buy back price may be a negative price (i.e., tipping fee for certain materials).

7. Processing / Marketing Data The Contractor shall maintain ongoing records on the amounts in tons of materials processed, transferred, and marketed, including rejects disposed.
8. Monthly and Annual Processing / Marketing Reports The Contractor shall summarize processing / marketing / disposal data in monthly and annual reports to the County. Monthly reports shall be due by the 15th of each month for data covering the previous month.

Monthly and annual processing reports shall provide, at a minimum, data about the source and type of tons processed by: Aitkin County drop-off recyclables collected pursuant to the collection requirements of this Contract; Aitkin County residential recyclables collected curbside via private haulers; Aitkin County non-residential recyclables; and non-Aitkin County recyclables collected outside of the county.

Identities of end-markets may be kept confidential if the Contractor submits a written request under the procedures specified in the Minnesota Government Data Practices Act (Minnesota Statutes, Chapter 13). Annual reports shall provide sum totals for each year of data contained in the monthly reports. Annual reports shall be due by February 15 of each year for data covering the previous year.

3. TERM / TERMINATION OF THE CONTRACT

- A. Two Year Term The initial term of this recycling services Contract shall be for two years, with five, one-year extension options. The initial Contract term shall begin January 1, 2011 and expire December 31, 2012.
- B. County's One-Year Extension Options The County may request a one-year contract extension if written notice of such request is received by the Contractor by twelve (12) months prior to current expiration date. Granting requests for contract extensions shall be at the sole discretion of the County and shall not be appealed. Contract extensions will provide for the same service levels and pricing as per this Agreement (with any escalators applied as per Section 5.H).
- C. County Retains Right to Extend and Postpone Contract Termination Date The County shall retain the rights to extend the Contract at any time and to postpone the initial Contract termination date, subject to approval by the Contractor.
- D. Termination of Contract Due to Contractor Default The County may, after giving Contractor and the surety seven days written notice and to the extent permitted by laws and regulations, terminate the Contract due to Contractor default. Default can include one or more of the following actions by the Contractor:

1. Failure to Perform the required work as specified in this Agreement, and fails to correct the deficiency within 30 days after receiving written notice from the County. In addition to other services, if the Contractor repeatedly fails to perform the services itemized in Section 4.K "Liquidated Damages", the Contractor may be deemed to be in default of this Agreement.
2. Violation of Any Law or Regulation of any municipal, county, state or federal laws, rules, regulations, ordinances and specifications.
3. Filing for Bankruptcy or Insolvency If Contractor commences a voluntary case under any chapter of the Bankruptcy Code (Title II, United States Code), as now or hereafter in effect, or if Contractor takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to the bankruptcy or insolvency;

If a petition is filed against Contractor under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against Contractor under other federal or state law in effect at the time relating to bankruptcy or insolvency.
4. Assignment of this Contract without the prior written approval of the County.
- E. Contractor Termination of the Contract Services Contractor may stop service or terminate the Contract if, through no act or fault of the Contractor, the County Recycling Program is suspended for a period of more than ninety days by the County. Under this circumstance, the Contractor may, upon seven day's written notice to the County, terminate the Agreement and recover from the County payment for completed services.
- F. Program Re-Evaluation The design and performance of the program shall be re-evaluated at the one-year and two-year anniversary dates of the Contract. If program changes are recommended by the County or Contractor that significantly affect service costs, this will be considered a triggering event for renegotiation.

4. LEGAL AND INSURANCE REQUIREMENTS

- A. Ownership and Responsibility of Material Upon collection from the designated drop-off sites, all material in and immediately around the containers (recyclables and contaminants) becomes the property and responsibility of the Contractor. Ownership of the mixed-color glass shall transfer to the County upon unloading at the designated interim storage site as per Section 2.C.4., "Interim Storage of Mixed-Color Glass".
- B. Indemnification The Contractor shall indemnify and hold harmless the County and its officials, agents, and employees from and against all claims, damages, losses, and expenses, including attorney's fees, which the County may suffer or for which it may be held liable, arising out of or resulting from the Contractor's or his agent's or employee's actions or negligence in the performance of this Contract. Prior to the commencement of the Contract, the Contractor shall furnish the County certificates or copies of these policies of insurance in force.

Compliance by the Contractor with the foregoing requirements to carry insurance and furnish certificates thereof shall not relieve the Contractor from liability assumed under any provisions of this Contract.

- C. **Independent Contractor** The Contractor shall be deemed an independent Contractor, and not an employee of the County. Any and all employees, members or associates of the Contractor or other persons, while engaged in the work or services required to be performed by the Contractor, per this Agreement shall not be considered employees of the County. Any and all claims that may or might arise on behalf of said employees or other persons as a consequence of any act or omission on the part of said employees or the Contractor shall in no way be the obligation or responsibility of the County.
- D. **Contractor Performance Bond** The Contractor will be required to furnish financial assurance to compensate the County for losses that may be incurred in the event Contractor fails to faithfully perform Contractor's obligations under this Contract. Said financial assurance shall be equal to the amount of the annual total contract price and shall take the form of a corporate surety bond, or in lieu thereof, an irrevocable letter of credit. Said financial assurance shall stay in effect throughout the contract period.
- Annual contract price, for purposes of this performance bond, shall be based on estimates derived by the County for the first year and actual contract payments for subsequent years.
- E. **Worker's Compensation Insurance** The Contractor shall provide and maintain worker's compensation insurance as required by law.
- F. **Comprehensive General Liability Insurance** Contractor shall provide and maintain at all times while this Contract is in effect Comprehensive General Liability Insurance insuring against liability imposed by law for bodily injury or death, in the minimum sum of \$1,500,000 any one person and in the minimum sum of \$1,500,000 for two or more persons for the same occurrence, and for damage of property in the minimum sum of \$500,000. The County of Aitkin shall be named a coinsured on said policy for incidents arising out of the Contractor's performance of this Agreement, which shall provide that the coverage may not be terminated or changed by the insurer except upon ten days written notice to the County Auditor. All endorsements shall apply to both bodily injury or death and property damage coverages. The Contractor is also required to provide no fault motor vehicle insurance with regard to all motor vehicles used in carrying out the terms of this Contract, in the same amounts specified.
- G. **Auditing** The Contractor shall allow the County to examine Contractor's books, records, documents, and accounting procedures and practices relevant to this recycling program.

The Contractor shall also allow the Legislative Auditor or the State Auditor as appropriate to examine Contractor's books, records, documents, and accounting procedures and practices relevant to this Contract.

H. Non-Discrimination Contractor agrees that Contractor shall not discriminate against any employee, applicant for employment or other person, supplier, or contractor because of race, color, religion, sex, marital status, national origin, disability or public assistance.

I. Assignment and Subcontracting Neither the County nor the Contractor shall assign the Agreement, or any part thereof, nor shall either the County or the Contractor sub-contract this Agreement or any part thereof without the prior written approval of the other party.

The Contractor may not assign any parts of this Agreement via sale, merger or acquisition of the Contractor's company without the prior written approval of the County. The County, at its sole discretion, may elect to fully enforce the provisions of the Contract, rebid or renegotiate the Contract if the Contractor sells, merges or is acquired. The County shall specify its decision and schedule for how to continue the recycling services as specified in this Agreement within its written response to the Contractor.

J. Compliance with All Laws, Rules, Regulations and Licensing Requirements

The Contractor shall comply with all municipal, county, state and federal laws, regulations, ordinances and specifications. The Contractor shall be licensed by Aitkin County as a solid waste hauler and shall pay the required annual County license fees. The Contractor shall obtain all other required municipal and county licenses necessary to collect, handle, store, process, transfer, remove, transport or dispose of solid waste within Aitkin County.

K. Liquidated Damages The County and Contractor agree, in addition to any other remedies available to the County, the County may withhold payment from the Contractor in the amounts specified below as liquidated damages for failure of the Contractor to fulfill its obligations:

1. Failure to service and collect full drop-off containers within the one business day limit as specified in Section 2.A.7 ("Servicing Containers") and Section 2.A.10 ("One-Day Notice for Collection of Unattended Containers") - \$100 per incident
2. Failure to provide monthly and annual reports as specified within Sections 2.A.15 and 2.C.8 - \$200 per incident.
3. Failure to submit a copy of buy back price changes as specified within Section 2.C.6 - \$100 per incident.
4. Failure to respond to legitimate service complaints in a reasonable, professional and timely manner - \$50 per incident.
5. Failure to appear at a scheduled, attended collection event - \$100 per incident.

These amounts are liquidated damages for losses suffered by the County, and not a penalty.

L. Dispute Resolution Process The County and the Contractor agree to first use the following process to resolve disputes about issues related to the performance of this Contract. If an issue arises requiring resolution, either party shall initiate this

dispute resolution process by notifying the other party and scheduling a meeting. The meeting shall serve as a fact finding opportunity to identify the issue, clarify the problem, review this Contract provisions relating to the issue, discuss alternative remedies, and agree upon a means of dispute resolution. The parties shall make a good faith effort to complete the agreed-upon tasks within 30 days of the initial dispute resolution meeting, or specify an alternative schedule and deadline for resolving the issue. This dispute resolution process shall be considered as one alternative to the County declaring the Contractor in default as per Section 3.D of this Agreement. Nothing in this Contract section, Dispute Resolution Process, shall be construed or implied to reduce, eliminate or otherwise affect the rights of the County to use any and all other means of legal remedies.

- M. Contact Persons for Legal Notices** The Contractor identifies Paul Fischer, who shall be designated to receive all notices and communications on behalf of the contracting parties with regard to the Contract. Written notice required to be provided to the County pursuant to this Agreement shall be provided to the County Solid Waste Administrator, Department of Environmental Services, Aitkin County Courthouse, Aitkin, MN 56431. Written notice required to be provided to the Contractor pursuant to this Agreement shall be provided to Paul Fischer.
- N. Disposal of Reject Materials** Reject materials shall be disposed of by the Contractor at a permitted facility and will be subject to any applicable tipping fees.
- O. Performance** Contractor shall see that all work done pursuant to this Agreement is accomplished with work forces and equipment which are adequate to insure the satisfactory collection and disposal of said materials at all times. Failure to perform may be excused only by adverse conditions caused by weather or similar hindrances which on other work might be regarded as "acts of providence".
- P. Conflict of Interest** Neither the Contractor nor its employees either presently have, nor shall acquire interest, direct or indirect, in the Contract in any manner forbidden by law. No County official, or deputy or clerk or employee of such official, shall be directly or indirectly interested in this Contract.
- Q. Severability** This Agreement is subject to the laws of the United States of America, the State of Minnesota and Ordinances of the County of Aitkin. In the event that any provision of this Agreement shall be held to be contrary to law or Ordinance by a court of competent jurisdiction from whose final judgment or decree no appeal has been taken within the time provided, such provision or provisions shall be voided. All other terms and conditions of the Agreement shall continue in full force and effect. The voided provision or provisions may be renegotiated at the written request of either party to this Agreement.
- R. Governing Law** This Agreement shall be deemed to be a contract made in the State of Minnesota and shall be interpreted and construed in all respects in

accordance with the laws of the State of Minnesota applicable to contracts wholly to be performed therein.

- S. **Modification** Any alterations, variations, modification or waivers of the provisions of this Agreement shall only be valid when they have been reduced to writing, signed by the authorized representatives of the County and Contractor and attached to this Agreement.
- T. **Integration** The Parties agree that the entire Agreement between the Parties is contained herein and that this Agreement, including any and all exhibits attached hereto, supercede all oral Agreements and negotiations between the Parties relating to the subject matter hereof, as well as any previous agreements between the Contractor and the County or either of them relating to the subject matter hereof.

5. **PAYMENTS AND RECORDS**

- A. **Monthly Invoices** The Contractor shall submit monthly invoice statements for payments for services rendered, said statements to be submitted to the Aitkin County Department of Environmental Services.
- B. **Service Components** Monthly invoices shall specify the following level of services:
1. **Collection Mileage (Round Trip) for Unattended Drop-Off Sites** to the designated drop-off centers as specified in Attachment B, including "cardboard only" unattended drop-off sites. Round trip miles to each designated unattended drop-off location shall be measured using the shortest truck route from the Garrison Disposal transfer station in Aitkin. These round trip distances shall then be established as the fixed distance for the period of this Contract and not changed without written notification by the Contractor to the County.

The Contractor shall notify the County if any route has seasonal weight limit restrictions that require longer haul distances due to detours on higher capacity roads.
 2. **Collection Service Payments for Remote, Attended Drop-Off Sites** The County shall pay the Contractor a set fee per day for collecting recyclables at attended drop-off sites. A minimum of two attended sites shall be serviced the same day. Each attended site shall be serviced at a minimum frequency of every other week. This collection service payment shall not apply to the County Recycling Center.
 3. **Processing Fee for Aitkin County Residential Recyclables Processed** The County shall pay the Contractor for processing and marketing of recyclables from Aitkin County only. Recyclables from private commercial accounts shall be eligible for this County processing fee. Material collected from outside Aitkin County shall not be eligible for payment.

Only "processed" glass from unattended drop-off sites is eligible for processing fee payment by Aitkin County. The Contractor shall make a good faith effort to

minimize the glass requiring processing. Other glass (e.g., from attended drop-off sites, including the Aitkin County Recycling Center, curbside collection programs, etc.) that is not sorted by the Contractor at the Aitkin County Recycling Center for purposes of removal of contaminants shall not be included in the request for processing fee payment.

4. Glass Shipping Charges may be assessed back to the County for glass transportation services from the County Recycling Center to the interim glass storage location.
5. Less Revenue (Risk) Share Credit (Charge) The Contractor shall itemize the amount of revenue received from the sale (or charge) of processed recyclable material. The Contractor shall submit actual market sales receipts and truck scale weight tickets, or other suitable documentation as approved by the County. This revenue (risk) share credit (charge) shall include Aitkin County recyclables, residential and commercial, plus materials collected from outside of Aitkin County **that receive a profit such as cardboard, aluminum and office paper**. The Contractor shall make a good faith effort to secure the best value, highest paying markets for recyclable materials. The County may assist the Contractor in securing additional, higher paying markets for recyclable materials.
- C. Payment for Services The County shall pay the Contractors for services rendered as invoiced upon successful completion of all services required, including, but not limited to, monthly reports as specified above in this Contract in sections 2.A.15 and 2.C.8.
- D. Compensation / Prices for Contract Services The County and the Contractor agree that the following prices and revenue share shall be paid by the County and credited back to the County from the Contractor:
 1. Mileage price for contracted collection services at unattended drop-off sites = \$2.08 per (round trip) mile
 2. Collection service fee for attended drop-off sites = prices are per day.
 - * Hill City/Palisade \$375.00
 - *McGrath/Malmo \$375.00
 3. Processing price for contracted processing services = \$75 per ton
 4. Glass Shipping Charges = \$35 per trip.
 5. Less Revenue (Risk) Share = 30% of revenue from material sales from all tons processed through the County Recycling Center.
- E. Records of Expenses and Revenues The Contractor shall be required to create, establish, maintain and preserve detailed written records listing all expenses and revenues incurred from collection, processing, marketing and transporting of recyclable materials from the designated drop-off centers listed in Attachment B. The above-mentioned records shall be open to the County for inspection during normal working hours of operation and shall be kept by the Contractor for a period of six (6) years following the termination of this Contract.

- F. Data Practices** The Contractor shall designate a management official as the responsible authority for the Contractor. Records of the Contractor established, maintained and preserved to the Contract shall be maintained and administered in accordance with the requirements of the Minnesota Government Data practices Act. Contractor designates Paul Fischer to be the responsible authority.
- G. County Record of Complaints** Complaints on service received by the County will be recorded in writing listing time, date, and name along with the address and telephone number of the person making the complaint on forms furnished by the County. A written copy of the complaint listing the nature of complaint and corrective action recommended by the County, shall be submitted to the Contractor. Monthly reports to the County by the Contractor shall identify the complaint and follow-up action taken.
- H. Inflation Adjustments** The Collection (mileage) and Processing (per ton) fees established in Section 5.D above shall be annually adjusted on January 1st at the same rate of the Consumer Price Index (CPI-U; Midwest Region – Urban Index, All items; 1982-84=100).
- I. Transition Period Clean-Ups** The Contractor shall perform clean-ups of sites closed or transitioned from permanent, unattended drop-off sites to scheduled pick-up, attended sites. Costs of such clean-up will be estimated by the Contractor based on the volume and frequency of material to be collected and removed. The Contractor shall provide such estimates immediately upon request of the County. The County shall retain the right to contract with other haulers for the clean-up services.

In Witness whereof, the Parties hereto set their hands.

By the duly elected or appointed representatives of AITKIN COUNTY:

BOARD OF COMMISSIONERS, CHAIRPERSON

David Bayley

Date

11-23-10

AUDITOR

John Hayes

Date

11-23-10

DIRECTOR OF ENVIRONMENTAL SERVICES DEPARTMENT

Kevin [unclear]

Date

11-23-10

AITKIN COUNTY ATTORNEY

James [unclear]

Date

11-23-10

By the duly appointed representatives of the CONTRACTOR.

The Contractor acknowledges by his/her signature on this document that the Contractor has received a copy of this Contract and is in full agreement with the terms as imposed upon the Contractor by this Agreement and that the Contractor will comply with those terms and conditions.

Paul B. Fischer Pres.

Paul B. Fischer, Owner and President

11/24/10

Date

Attachment A
PROGRAM DEFINITIONS

1. **"Attended Drop-Off Sites"** means designated drop-off centers that have staff to supervise and assist residents with recyclables unloading and depositing into the containers. Attended drop-off sites will therefore be required to be on a scheduled basis with hours of operation to be specified by the County in Attachment B.

Attended drop-off sites shall be defined to include disposal services for mixed municipal solid waste (MSW). That is, in addition to recycling containers, the Contractor shall provide garbage removal services at the same attended recycling collections thereby allowing residents to pay for and deposit MSW.

2. **"Buy Back"** means the part of the processing operations at the County's recycling facility whereby the Contractor purchases materials from the public and other haulers.
3. **"Containers"** means compartmentalized, covered roll-off boxes with sufficient compartments to allow separate collection of the recyclable materials specified herein.

Other suitable types of container systems may be substituted for roll-off boxes (e.g., rear load dumpsters). Substitute types of containers must be specified in the proposal and must provide: adequate covering to prevent littering and precipitation from getting into the materials; adequate capacity; and ease of access by residents to deposit recyclable materials (e.g., unloading height not too high).

4. **"Contamination"** or **"Contaminants"** means incorrect materials deposited in the containers that are not acceptable as recyclables as defined by the County.
5. **"Contractor"** means the County's contracted recycling service vendor as per this Agreement.

6. **"County Recycling Facility"** means the Aitkin County Recycling Facility located in the City Industrial Park, on County Road 83, in Aitkin, Minnesota.

7. **"Designated Drop-Off Center"** means a specified facility for storage of recyclable materials. These facilities may be attended or unattended and will be located at site locations and schedules as specified by the County.

Attachment B is the current list of designated drop-off centers, including description of specific site locations and schedules of operations.

8. **"Designated Drop-Off Center Host"** or **"Site Host"** means the site sponsor, agency or business. The container may be on or near host's property. If the site is an unattended drop-off center, the site host will designate a contact person responsible for monitoring the recycling container as it fills up.
9. **"Designated Private Recycling Facility"** means a private facility that engages in the processing and marketing of recyclable materials.

10. “End Markets” means the final manufacturing plant or business where the processed recyclables are sold to make a new product (for example, mills). Brokers, intermediate processors and other recycling material reclaimers are not considered end-markets.
11. “Haulers” means solid waste management and / or recycling firms that provide collection services to residents and businesses in or near the Aitkin County region.
12. “Markets” for recyclable material include any person or company that buys (or charges) for recycling of specified materials. “Markets” may include, but are not limited to: end-markets, intermediate processors, brokers and other recycling material reclaimers.
13. “Mixed-Color Glass” Acceptable food and beverage glass jars and bottles (as per Attachment D) as prepared by residents, but not sorted by color. I.e., all colors of glass mixed into one compartment in the containers.
14. “Recyclables Collection” means taking up of all recyclable materials accumulated in containers at designated drop-off centers and the transporting of the recyclable materials to a recycling facility where they can be processed and / or transferred for marketing.
15. “Recyclable Materials” means those “minimum list of materials” identified by the County in Attachment C.
16. “Recycle/Recycling” means the process of collecting, processing and preparing recyclable materials and reusing them in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.
17. “Recycling Facility” is a general term and means either the County recycling facility a designated private recycling facility.
18. “Rejects” means materials that, after processing by the Contractor, are not marketable as recyclables and must be disposed as mixed municipal solid waste.
19. “Triggering Event for Renegotiation” means any event that allows either the County or the Contractor to initiate renegotiation of the Contract due to systems changes that may effect costs of services.
20. “Unattended Drop-Off Sites” are designated drop-off centers that do not have staff present whereby residents are asked to unload their own recyclables without supervision. Unattended drop-off sites, in general, are open 24-hours per day, seven days per week, as specified by the County in Attachment B.

ATTACHMENT B - LIST OF DESIGNATED DROP-OFF CENTERS

Site No.	City/Location	Establishment (As Host for Site)	Service Type/Materials ^(b)	Minimum Frequency of Service ^(c)
1.	Aitkin/County Courthouse	Aitkin County	Unattended/Cardboard only	On Call
2.	Aitkin/County Recycling Center	County/Contractor	Attended/Full service	Empty as needed (On-site)
3.	Aitkin/High School	High School	Attended/Full service (For school use only)	On Call
4.	Aitkin/Rippleside Elem School	Elementary School	Attended/Full service (For school use only)	On Call
5.	Hill City	<i>Sonny's Citgo</i> (Hwys 200 & 169)	Attended/Full service	Every other week ^(c)
6.	Hill City School	School	Unattended/Cardboard only (For school use only)	On Call
7.	Long Lake Conservation Reserve	Conservation Reserve	Unattended/Full service	On Call
8.	Malmo	<i>Malmo Conoco</i>	Attended/Full service	Every other week ^(c)
9.	McGrath	1865 Café	Attended/Full service	Every other week ^(c)
10.	McGregor School	School	Unattended/Full service (For school use only)	On Call
11.	Palisade	<i>Palisade Supply</i>	Attended/Full service	Every other week ^(c)
12.	Savanna State Park	MN Dept of Natural Resources	Unattended/Full service (For park guests only)	On Call (Seasonal)

Notes:

- (a) This list of designated drop-off centers was revised by the County in June 2000 to exclude the former sites of Libby Dam and Savanna State Park, and on 2-15-02 to eliminate Jacobson and Tamarack. On 4-23-02 added Savanna State Park and on June 1, 2007 added J&H Transfer Station. 1-1-2011 removed J&H Transfer Station and McGregor Transfer Station. The County reserves the exclusive right to add or subtract designated drop-off centers to be serviced by the Contractor.
- (b) "Full Service" means all County-specified materials collected at this drop-off center (see Attachment C for detailed list).
- (c) Attended drop-off centers collected every other week shall be open a minimum of two (2) hours per collection. The Contractor shall specify exact schedule (i.e., days of the week, hours, etc. for each site) and submit to the County for approval. Severe weather is understood as a permissible exception to this schedule.

<u>Attachment C</u> LIST OF DESIGNATED RECYCLABLE MATERIALS		
Acceptable	Items NOT recyclable	Resident Preparation Instructions
Glass Glass bottles and jars (empty) Holding food and beverages only	Ceramic dishes, Dirty bottles, Bottles with caps Dinner Plates. Ovenware Clay pots Drinking glasses, crystal, broken glass Window panes, mirrors Light bulbs	No need to separate by color Remove lids Rinse to remove residue Do not break glass
Plastic No. 1 thru 6 Plastic bottles (empty – remove caps): Milk, pop, beverage containers, Laundry Soap, cool whip and butter tubs	Plastic Bags, screw on lids, Any type of plastic film Pails, tubs, plates, plastic cups, bowls, caps, lids, Ketchup cups Plastic utensils, screw on lids, dirty bottles, rubber products, Styrofoam cups and packing materials, polyvinyl sheeting, heat shrink wrap	Remove caps, lids Rinse to remove residue Do not try to recycle more than these types of bottles Throw away caps and lids Throw away all other non-plastic May be mixed with tin and aluminum cans (a)
Cans: Aluminum and Tin Steel/tin cans Aluminum cans (emptied) Aluminum pie and meat tins Aluminum foil	Wire strapping, dirty cans, cardboard cans, appliances, power tools or batteries, metalized-look plastics, screw-on lids	Rinse to remove residue No need to remove labels May be mixed with plastics (b)

Notes:

- (a) Plastic may be mixed in same recycling container compartment with tin/aluminum cans at discretion of the contractor
- (b) Tin/aluminum cans may be mixed in same recycling container compartment with plastic at discretion of the contractor

Attachment C (continued)
LIST OF DESIGNATED RECYCLABLE MATERIALS

Acceptable	Items NOT recyclable	Resident Preparation Instructions
<p>Cardboard Corrugated cardboard (cardboard from boxes with fluted center and two side panels) Paperboard (cereal, kleenex, chip and pizza boxes).</p>	<p>Chipboard, packing peanuts, cellulose packing, foil, plastic wrap, egg crate material, milk cartons, wood scraps Waxed or coated cardboard No meat or juice stained cardboard</p>	<p>Flatten boxes Remove plastic or waxed paper liners and all Styrofoam packing materials</p>
<p>Paper Newspaper, magazines, catalogs, phone books Office paper: white or pastel Stationary/typing paper Envelopes: White, gold, brown, post-it notes, computer paper, Adding machine paper Index/tab/time cards, manila folders, note paper, thermal fax paper, NCR (carbonless copy-through paper)</p>	<p>Blue prints, carbon paper, construction paper, copy paper wrappers, food packaging, Metal bindings, plastic covers, Puzzle books, comic books, Rubber bands, paper clips, Adhesive labels and stickers Cellophane, foils</p>	<p>Newspaper separate in brown paper bags or bundle with string/twine Magazines separate in brown paper bags or bundle with string/twine Catalogs may be included in same bags with magazines Phone books may be included in same bag with magazines</p>

Appendix E

OFFICIAL COPY
AITKIN COUNTY
SOLID WASTE ORDINANCE

An ordinance authorizing and providing for county Solid Waste Management establishing powers and duties in connection there-with, establishing standards and requirements for solid waste management operation within the County of Aitkin, requiring a license for the establishment and use of solid waste management by rules of the Minnesota Pollution Control Agency; providing for enforcement of said requirements; requiring a performance bond and insurance; and imposing penalties for failure to comply with these provisions; in purpose and object to promote health, welfare, and safety of the public and protect resources of water, air and land pursuant to Minnesota Statutes 115, 115A, 116 and 400.

The County Board of Commissioners of the County of Aitkin, hereinafter referred to as the County Board, does ordain:

SECTION I. DEFINITIONS.

Unless specifically altered, terms and abbreviations use in this ordinance shall be interpreted in a manner consistent with Minnesota Statutes, Chapters 115, 115A, 116 and 400 and rules of the Agency, which have been or hereafter may be adopted under those provisions. Terms and abbreviations used in accordance with the context and professional usage.

Subd. 1. “Agency” means the Minnesota Pollution Control Agency.

Subd. 2. “Air Contaminant” means the presence in the outdoor atmosphere of any dust, fume, mist, smoke, vapor, gas or other gaseous fluid, or particulate substance differing in composition from or exceeding in concentration the natural components of the atmosphere.

Subd. 3. “Air Pollution” means the presence in the outdoor atmosphere of any air contaminant or combination thereof in such quantity, of such nature and duration, and under such conditions as would be injurious to human health or welfare, to animal or plant life, or to property.

Subd. 4. “Canister System” means one or more commercial solid waste storage containers (such as “green boxes” and “dumpsters”) located to function as intermediate disposal facilities, and which are serviced on a regular basis by a public or private solid waste hauler.

Subd. 5. “Commercial Hauler” means any person, as defined in Section I, who owns, operates, or leases vehicles for hire for the purpose of collection and/or transportation of any type of solid waste.

Subd. 6. “County” means any department employee or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent this County of Aitkin in the enforcement or administration of this ordinance.

Subd. 7. “Composting” means the controlled biological decomposition of selected solid waste in a manner resulting in an innocuous final product.

Subd. 8. “Cover Material” is material that is used to cover compacted solid waste in a land disposal site. Important general characteristics of good cover material are low permeability, uniform texture, cohesiveness and compactability. Suitable cover material is material that meets or exceeds standards as determined from time to time by the Agency.

Subd. 9. “Demolition” means stumps, rocks, discarded building material, trees, wood and wood products and cement, old bituminous surfacing, plaster, metal, glass and plastic building parts.

Subd. 10. “Garbage” means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.

Subd. 11. “Hazardous Waste” means materials or substances which are hazardous waste pursuant to the definition of hazardous wastes established from time to time by the State of Minnesota.

Subd. 12. “Illegal Dumping” means dumping of any garbage including littering, demolition, white goods, used oil, batteries, rubbish or solid waste anywhere other than an approved site or container.

Subd. 13. “Incineration” means the process by which solid wastes are burned for the purpose of volume or height reduction or energy recovery in facilities designed for such use.

Subd. 14. “Intermediate Waste Disposal Facility” is a facility for the preliminary or incomplete disposal of solid waste including, but not limited to, transfer station, canister site of system, open burning site, incineration, composting, recovery of recyclable materials, reduction, shredding, and compression.

Subd. 15. “Junk Yards” means land or structures where waste, discarded or salvaged materials are bought, sold, exchanged, stored, cleaned, packed, disassembled, or handled, including, but not limited to, scrap metal, rags, paper, rubber products, lumber products, glass products, and products resulting from the wrecking of automobiles or other vehicles, provided further that the outdoor storage of three (3) or more inoperative or not currently licensed motor vehicles or any combination thereof for a period in excess of three (3) months shall also be considered junk.

Subd. 16. “Land Pollution” means the presence in or on the land of any waste in such quantity, of such nature and duration, and under such condition as would affect injuriously any waters of the state, create air contaminants or cause air pollution.

Subd. 17. “Licensee” means a person who has been issued a license by the Board for solid waste management purposes pursuant to this ordinance.

Subd. 18. “Operation” means any site, facility, or activity relating to solid waste management.

Subd. 19. “Person” means any human being, any municipality or other governmental or political subdivision or other public association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or another legal entity.

Subd. 20. “Putrescible Material” means solid waste which is capable of being rotten, or which may reach a foul state of decay or decomposition.

Subd. 21. “Refuse” means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator ash, incinerator residue, street cleaning, market and industrial solid wastes, and municipal treatment wastes which do not contain free moisture.

Subd. 22. “Rubbish” means nonputrescible solid wastes, including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, yard clippings, wood, glass, bedding, crockery, or litter of any kind.

Subd. 23. “Land Disposal Facility” means a land disposal site employing an engineered method of disposing of solid waste on land in a manner that minimizes environmental hazards by spreading the solid waste in thin layers, compacting the solid waste to the smallest practical volume, and applying cover material at the end of each operating day, or at intervals as may be required by the Agency.

Subd. 24. “Scavenging” means collection and removal of salvageable materials by searching through land disposal facilities, transfer stations, canisters or demolition sites.

Subd. 25. “Shoreland” means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark or a lake, pond, or flowage; and b) 300 feet from a river or stream or the landward extent of a flood plain designated by ordinance on such river or stream, whichever is greater.

Subd. 26. “Solid Waste” means garbage, refuse, rubbish, sludge from a water supply treatment plant or air contaminant treatment facility, or other discarded waste materials and sludges, in solid, semi-solid, liquid or contained gaseous form, resulting from industrial, commercial, mining, or agricultural operations, or from community activities, but does not include hazardous waste; animal waste used as fertilizer; earthen fill, demolition material; sewage sludge, solid or dissolved material in domestic sewage or other common pollutants in water sources, such as silt, dissolved or suspended solids in industrial waste water effluents or discharges which are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act, as amended, dissolved materials in irrigation return flows; or source material, special nuclear material, or a by-product material as defined by the Atomic Energy Act of 1954, as amended.

Subd. 27. “Solid Waste Management Facility” means a land disposal facility or an intermediate disposal facility.

Subd. 28. “Solid Waste Management” means the storage, collection, or removal of solid waste from or on public or private property, its transportation to intermediate or final disposal facilities or its final disposal by methods approved by the Agency.

Subd. 29. “Transfer Station” means an intermediate solid waste disposal facility in which solid waste collected from any source is temporarily deposited to await transportation to another solid waste management facility.

Subd. 30. “Vandalism” means willful or malicious defacement or damage to county property, including damage to gates, canisters, attendants building, signs or any other county property of buildings, either at the main land disposal facility or any of the outlying canister sites or demolition areas.

Subd. 31. “Water Pollution” means a) the discharge of any pollutant into any waters of the state so as to create a nuisance or render such waters unclean, or noxious, or impure so as to be actually or potentially harmful or detrimental or injurious to public health, safety or welfare, to domestic, agricultural, commercial, industrial, recreational or other legitimate uses, or to livestock, animals, birds, first or other aquatic life; b) the manmade or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the state.

Subd. 32. “Water of the State” means any waters, surface or underground, except those surface waters which are not confined but are spread and diffused over the land. “Waters of the State” includes all boundary and inland waters.

SECTION II. GENERAL PROVISION.

Subd. 1. No person shall cause, permit, or allow land or property under his control to be used for solid waste management purposes, except at the operation for which a license has been granted by the County Board, and if required, a permit/license has been issued by the Agency, unless otherwise provided by this ordinance. A license shall not be required under this ordinance for any site used for the disposal of solid waste from only a single family household, if the same is permitted under the laws of Minnesota. A license shall not be required of the County for solid waste management functions performed by the County or its employees.

Subd. 2. Any operation to be used for any method of solid waste management not otherwise provided for in this ordinance must be licensed by the County Board before operation may commence. The license application shall include three sets of complete plans, specifications, design data and ultimate land use plans. Proposed operating procedures for a solid waste disposal facility must be prepared by a professional engineer registered in Minnesota. The applicant shall procure a proper zoning permit to accompany the application if required by the County Zoning Ordinance. No license shall be issued for a solid waste facility unless the applicant has demonstrated to the satisfaction of the County Board the availability of revenues necessary to operate the facility in accordance with applicable state and local laws, ordinances and rules.

Subd. 3. After receiving an application for an operation, the County Board shall refer such applications to the County Solid Waste Officer who shall give his recommendation to the County Board concerning whether it should issue or deny the license. If an applicant is denied a license, such applicant shall be notified in writing of the reasons therefore by the County Board. A denial shall be without

prejudice to the applicant's right to an appearance before the County Board or to the applicant's right to file a further application after revisions are made to satisfy objections specified as reasons for the denial.

Subd. 4. The County Board shall refuse to issue a license for any operation which does not comply with this ordinance, Agency rules and the County's solid waste management plan.

Subd. 5. Issuance of any license pursuant to the provisions of this ordinance, except for licenses for collection and transportation of solid waste, shall be contingent upon the applicant furnishing to the County a bond in the amount set by the County Board. This bond shall name the County as obligee with sufficient sureties duly licensed and authorized to transact business in the State of Minnesota as sureties. The condition of such bond shall be that if the licensee fails to comply with any of the requirements or fails to perform any of the acts required of an operation or ceases to operate or abandons the operation, and the County is required to expend monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, or if for the same reasons the County incurs liability of any nature whatsoever, the sureties shall indemnify and save the County harmless from all liabilities, losses, costs, and charges that may occur to the County, including attorney's fees and other litigation expenses because of any default of the licensee under the terms of his license to operation in compliance with the terms of the ordinances of the County.

Subd. 6. In addition to the bond referred to in Subd. 5, issuance of any license pursuant to the provisions of this ordinance shall be contingent upon the applicant securing, and furnishing to the County a copy of a certificate therefore, the following types of insurance issued to the licensee by insurers duly licensed within the State of Minnesota and in amount to be set by the County Board; general liability, including, but not limited to, bodily injury, property damage, motor vehicle, loading and unloading and, except for licenses issued for collection and transportation of solid waste, gradual pollution insurance.

Subd. 7. Any license granted by the County Board under the provisions of this ordinance may be suspended by the County Board at any time for noncompliance with the provisions of the license, this ordinance or applicable state laws or rules, or upon written notification to the licensee and the County Board by the Solid Waste Officer or by an authorized representative of the Agency that the continued use of the operation may endanger the health, welfare, or safety of the public or that the continued use may cause pollution or impairment of the environment. The notice of suspension shall be deemed adequately served whenever it is served upon the licensee personally or by leaving the same at the licensed premises with the person in charge thereof. A copy of the notice of suspension shall be provided to the County Board. The County Board shall remove the license suspension only upon presentation of evidence acceptable to the County board that the conditions which were cited as cause for suspension have been fully corrected. A license may be revoked only after the County Board has held a public hearing at which the licensee and other persons wishing to be heard concerning the operation shall have the right to be heard. The date of the hearing for license revocation shall be set by the County Board and shall not be held earlier than ten calendar days after notice of said hearing was mailed to the licensee. Evidence may be adduced in a manner consistent with the rules of evidence applied in civil cases. A transcript thereof shall be made by tape recording or other suitable technique. If, pursuant to said hearing, the County Board shall determine that the license that the operation has been conducted in violation of the provisions of the license, this ordinance, State laws or State rules, the County Board may revoke the license or

continue such suspension in effect until the operation has demonstrated that full compliance with the provisions of the license, this ordinance, State laws or State rules has been attained and that such compliance will be continued in the foreseeable future.

Subd. 8. Routine inspection and evaluation of an operation shall be made by the Solid Waste Officer at such frequency as to ensure consistent compliance by the operation with the provisions of this ordinance. The licensee shall be provided with a written inspection report containing a precise description of any deficiencies, recommendations for the correction thereof and the date when the corrections shall be accomplished. Copies of said report(s) shall be furnished to the Agency. The licensee shall allow to authorized representatives of the County or the Agency access to the facility and to equipment at any time for the purpose of making such inspections as may be necessary to determine compliance with the requirements of this ordinance, and any other applicable statute, ordinance or rule.

Subd. 9. Where the conditions imposed by any provision of this ordinance are either more restrictive or less restrictive than comparable conditions imposed by any other provision of this ordinance, or any other applicable law, ordinance, or rule the provision which established the higher standards for the promotion of the public health, safety, and general welfare shall prevail.

Subd. 9a. Notwithstanding Section 2, Subd. 9 of the Solid Waste Ordinance, all provisions of both the Aitkin County Zoning Ordinance and the Aitkin County Solid Waste Ordinance shall be given effect to the fullest extent possible, and all requirements of each respective ordinance shall be given effect and shall be complied with to the fullest extent possible. In the event of irreconcilable conflict between the provisions and requirements of these respective ordinances, the provision of the ordinance imposing the more restrictive standard shall be complied with.

Subd. 10. Every license issued for a solid waste operation shall be registered with the office of the County Department of Environmental Services.

Subd. 11. Scavenging shall be prohibited at all land disposal facilities, sites and demolition sites in Aitkin County except as authorized in writing by the Solid Waste Officer.

SECTION III. SOLID WASTE OFFICER.

Subd. 1. The Solid Waste Officer shall have all necessary authority to implement and carry out the provisions of this ordinance including, but not limited to, the following:

- a. To review and consider all license applications and supporting materials which are referred to the Solid Waste Officer for operation within the County, and after such review and consideration, to recommend in writing with documentation to the County Board whether a license should be granted or denied.
- b. To inspect operations to determine compliance and to investigate complaints about violations of this ordinance.
- c. To recommend to the County Attorney that legal proceeding be initiated against a person or group of persons to compel compliance with the provisions of this ordinance or to terminate or control an operation not in compliance with this ordinance.

- d. To encourage and conduct studies, investigations and research relating to aspects of solid waste management, including, but not limited to, methodology, chemical and physical considerations and engineering.
- e. To advise, consult, and cooperate with the public and other governmental agencies in furtherance of the purpose of this ordinance.

SECTION IV. SOLID WASTE STORAGE

Subd. 1. Solid wastes shall be stored in a manner which complies with State rules administered by the Agency.

Subd. 2. Toxic or hazardous wastes shall be stored in accordance with State rules administered by the Agency.

Subd. 3. Transfer stations and canister sites may be established and licensed annually according to Section VIII and shall meet all requirements listed in Section IV as well as any additional requirements imposed by the County Board.

Subd. 4. Solid wastes shall not be stored on public or private property for more than two (2) weeks without the written approval of the Solid Waste Officer. Nonputrescible wastes suitable for recycling shall not be stored on public or private property in a manner which creates a nuisance, blight or health hazard.

SECTION V. COLLECTION AND TRANSPORTATION OF SOLID WASTE

Subd. 1. The collection and transportation of solid waste shall be performed in accordance with State rules administered by the Agency.

Subd. 2. Toxic and hazardous wastes shall be transported in a manner consistent with State rules administered by the Agency.

Subd. 3. No person may collect or transport solid waste for hire without first obtaining a license from the County Board. The County Board shall not issue a license until the applicant complies with all the following requirements:

- a. The applicant shall submit a completed application form provided by the County for a solid waste collection and transportation license.
- b. The applicant shall submit to the County, specifications of all vehicles to be used for solid waste collection and transportation. Such vehicles shall have leak-proof bodies of easily cleanable construction, completely covered with metal, heavy canvas or other suitable covering, and shall be subject to approval and periodic inspection by the Solid Waste Officer.
- c. The applicant shall submit a description of the route(s) to be followed by all solid waste collection and transportation vehicles between the area of collection and the solid waste disposal operation.

- d. The applicant shall meet all of the applicable requirements for obtaining a license which are specified in Section II of this ordinance.
- e. The applicant shall be financially and operationally capable, as determined by the County Board, to properly collect, transport and dispose of all solid waste.

SECTION VI. SOLID WASTE LAND DISPOSAL FACILITIES.

Subd. 1. Land disposal facilities shall meet all the requirements of State rules administered by the Agency which govern these facilities.

Additionally, no person shall establish, operate or maintain a land disposal facility without first obtaining a license or permit from the County Board or Agency in accordance with Section II.

Subd. 2. An application for a county license shall include, but not limited to, the following:

- a. An operating schedule and a schedule of fees to be levied at the land disposal facility.
- b. A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days notification of the pending application for a license.
- c. A certificate from the County Zoning Administrator that the use proposed is in accordance with the established County Zoning Ordinance.
- d. Sufficient documentation to enable the County Board to determine whether the applicant is financially and operationally capable to properly dispose of all solid waste.

SECTION VII. INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

Subd. 1. No intermediate solid waste disposal operation shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefore a license from the County Board and a permit from the Agency. The applicant shall meet all requirements for obtaining a license as specified in Section II of this ordinance. The application for a license shall contain the following information:

- a. Location, size, and ownership of land upon which the operation will be situated.
- b. General description of property use in the immediate vicinity of the operation.
- c. Complete construction plans and specifications and proposed operating procedures for the operation.
- d. Rates and charges to be imposed at the operation.
- e. A notarized affidavit stating that the applicable local governments have been given thirty (30) days written notification of the pending application for a license.
- f. Such additional data and information as may be required by the Solid Waste Officer.

Subd. 2. An intermediate solid waste disposal facility shall be constructed, operated, and maintained in compliance with the following requirements and State rules administered by the Agency.

- a. A sign shall be posted on the premises indicating the name of the operation, the days and hours during which it is open to the public, and user charges, if any. The sign shall be approved by the Solid Waste Officer.
- b. The premises shall be constructed and landscaped in such a manner as to be aesthetically pleasing in appearance.
- c. Sanitary facilities and shelter adequate for employees shall be provided on these premises.
- d. Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of solid waste processed by the operation.
- e. The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a nuisance, or unsanitary condition.
- f. The premises' entrances and exits shall be maintained in a clean, neat and orderly manner at all times.
- g. All unloading of solid waste from contributing vehicles shall be conducted in such a manner as to prevent or eliminate odor and litter outside the facility.

Subd. 3. Notwithstanding the preceding subdivisions, a license shall not be required for a canister system owned and operated by a collection and transportation licensee.

SECTION VIII. LICENSE FEES.

Approval by the County Board of an application for a license under this ordinance shall be contingent upon the payment to the County of a license fee in the amount established by resolution from time to time of the County Board. The amounts of the license fees shall be based upon the cost to the County of processing the license applications and administering and enforcing this ordinance with respect to said licenses. The fees prescribed shall be paid by a license applicant for each facility maintained. Solid waste collector's and transporter's fees shall be paid annually as a condition for retention of the license. Nonpayment of the annual solid waste collector's or transporter's fee shall be grounds for revocation of license. Fees shall be paid to the County Treasurer, on or before January 1 of each year.

SECTION IX. TERMINATION OF SOLID WASTE OPERATIONS.

Subd. 1. All land disposal operations licensed by the County shall be terminated in accordance with State rules administered by the Agency.

Subd. 2. The license of any operation in Subd. 1, which has water monitoring wells or lysimeters, which are reviewed by the County or the Agency to be sampled shall establish with the County an escrow account no later than the time that the land disposal facility commences operation. Nothing herein in any way shall condition, limit or otherwise restrict the County from asserting any rights or claims against any person as may be authorized by State or Federal statute, rule, common law or equity.

The purpose of the escrow account is to set aside adequate funds to continue sampling required by the County or the Agency for a period of no less than 75 years from termination of the operation, unless a shorter period of time not to be less than 20 years is provided for by the County Board at the time of licensing. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payment which shall be made by the licensee to that account.

Failure by the licensee to meet the escrow account conditions established by the County Board shall constitute a failure of the licensee to comply with the terms of this ordinance, thereby enabling the County to use the provisions of Section II, Subd. 5, to make the necessary deposits to the escrow account.

Subd. 3. The County shall perform all long-term monitoring required by the County or the Agency following termination or abandonment of all solid waste operations. The County shall be reimbursed from the escrow account for expenses incurred in monitoring.

Subd. 4. The licensee of each solid waste operation shall inform the County Board in writing of a licensee's intent to abandon or terminate the operation. Such notice shall be provided in advance of the abandonment or termination date by the following amounts of time:

Land disposal operations	three years
Transfer station	one year
Incineration facility	three years
Collection/Transportation service	three months
All other solid waste operations	three months

Failure of a licensee to comply, for any reason, with the above advance notice requirements shall constitute a failure of the licensee to comply with the terms of this ordinance. The County Board may elect to pay all public and private higher-than-normal solid waste management costs which result from the premature cessation of a solid waste operation. The County may recover these costs through the provisions of Section II, Subd. 5, or if it is an operation not requiring a bond under Section II, Subd. 5, the County shall have a cause of action for such costs against the responsible party or parties. Nothing herein in any way shall condition, limit or otherwise restrict the County from asserting any rights or claims against any person as may be authorized by State or Federal statute, rule, common law or equity.

SECTION X. VARIANCES.

Upon written application by the applicant or operator, the County Board may grant variance from the provisions of this ordinance in order to promote the effective and reasonable application and enforcement of the provisions of this ordinance. If such variance would result in noncompliance with Agency rules, a variance application must be filed with the Agency.

A variance may be granted by the County Board after a public hearing where the County Board determines that enforcement of this ordinance would cause the applicant undue hardship, or that the ordinance cannot be complied with due to technological impossibility or economic unreasonableness. Such a variance shall not be granted for a period in excess of two years, but may be renewed upon application by the applicant and after a public hearing is held. A variance may be revoked prior to expiration of the variance by the County Board at a public hearing. An application for a variance shall be accompanied by a plan and schedule for achieving compliance with the ordinance. Prior to any public hearing held by the County Board under this provision, persons who may be adversely affected by the

granting of the proposed variance shall be given at least thirty (30) days notice to said public hearing. Publication of a notice of hearing in appropriate newspapers shall be considered adequate notice.

SECTION XI. NONCONFORMING SITES AND FACILITIES.

Solid waste management facilities in existence on the effective date of this ordinance shall conform to the provisions of this ordinance or terminate operations no later than 60 days from that date unless a variance application is submitted and approved by the County Board within a sixty (60) day period following the effective date of this ordinance.

SECTION XII. ADDITIONAL REQUIREMENTS.

For the purpose of protecting the public health, safety and welfare, the County Board may impose additional requirements consistent with the intent of this ordinance for the operation of solid waste management sites and facilities.

SECTION XIII. SEVERABILITY.

It is hereby declared to be the intention of the County Board that the several provisions of this ordinance be severable in accordance with the following:

Subd. 1. If any Court of competent jurisdiction shall adjudge any provision of this ordinance to be invalid, such judgment shall not affect any other provision of this ordinance not specifically included in said judgment.

Subd. 2. If any Court of competent jurisdiction shall adjudge invalid the application of any provision of this ordinance to a particular structure, site, facility, or operation, such judgment shall not affect the application of said provision to any other structure, site, facility, or operation not specifically included in said judgment.

SECTION XIV. PROVISIONS ARE CUMULATIVE.

The provisions of this ordinance are cumulative limitations upon all other laws and ordinances heretofore passed or which may be passed hereafter, covering any subject matter of this ordinance.

SECTION XV. NO CONSENT.

Nothing contained in this ordinance shall be deemed to be a consent, license or permit to locate, construct, operate or maintain any site, facility or operation, or to carry on any activity.

SECTION XVI. VIOLATIONS.

Subd. 1. Any person who violates or fails, neglects or refuses to comply with the provisions of this ordinance shall be guilty of a misdemeanor and upon conviction thereof shall be punished therefore as

provided by Minnesota Statutes. A separate offense shall be deemed committed upon each separate day during or on which a violation occurs or continues.

Subd. 2. This ordinance, in addition to other remedies, may be enforced by injunction, action or compel performance or other appropriate action in District Court to prevent, restrain, correct or abate violations.

SECTION XVII. OTHER ORDINANCES AND REGULATIONS.

Nothing in this ordinance shall preclude any local unit of government from adopting stricter regulations than this ordinance.

SECTION XVIII. OTHER COUNTY ORDINANCES.

Henceforth, this ordinance shall supersede and take the place of any existing Solid Waste Ordinance previously in effect in Aitkin County.

SECTION XIX. EFFECTIVE DATE.

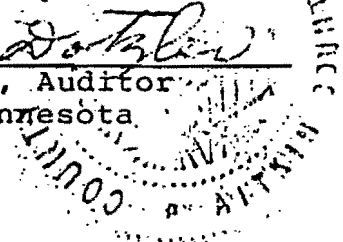
This ordinance shall be in full force and effect from and after its passage and publication according to law.

Notice of the hearing before the County Board was published in the official newspaper of the County on March 6, 1990, and pursuant to such notice, the County Board officially adopted the Solid Waste Ordinance on March 20, 1990, with the effective date to be March 28, 1990. Publication of the adopted ordinance was made in the official newspaper of the County on March 28, 1990.

Margaret Sherman
Chairperson, Aitkin County Board
of Commissioners

Certified as a complete and accurate copy of the Solid Waste Ordinance of Aitkin County, Minnesota.

Helena C. Dotzler
Helena C. Dotzler, Auditor
Aitkin County, Minnesota



I hereby certify that the within instrument was filed in this office for record as Document number _____ on this _____ day of _____ at _____ o'clock _____ .m.

Everett Davies, County Recorder
Aitkin County, Minnesota.

rafted by:
John Leitner
Aitkin County Attorney
Courthouse
Aitkin, Mn. 56431

RECORDED
TRACT INDEX
GRANTOR
GRANTEE
COMPARED

11519

COUNTY RECORDER
AITKIN COUNTY, MINNESOTA
FILED

APR 5 '90 9A M

Everett Davies
AS DOC. NO.

260964

Handwritten notes:
10/16/90
Co Auditor
11/10/90

Appendix F



**Aitkin County 2012
Final**

1. Program Survey**County solid waste collection system**

- | | | | |
|----|---|--------------------|---|
| 1. | Are all solid waste generators, including farmers, prohibited by county ordinance or county board resolution from: | | |
| | a. Burying or dumping household wastes on-site? | Yes | |
| | b. Burning household wastes on-site? | Yes | |
| 2. | Solid waste hauler licensing (Minn. Stat. 115A.93) | | |
| | a. Are all solid waste haulers who operate in the county licensed by the county? | Yes | |
| | b. Are all solid waste haulers who are not licensed by the county licensed by cities or towns? | N/A | |
| | c. Do all licenses require a variable-rate pricing structure? | Yes | |
| 3. | Does the county apply a surcharge (Minn. Stat. 115A.919, subd. 2) in addition to the tip fee to waste disposed in the county or charge a service fee (i.e. line item on property tax or utility bill) to residents and/or businesses? | | |
| | a. What is the surcharge for county waste? \$ per ton: | 0 | |
| | | \$ per cubic yard: | 0 |
| | b. What is the surcharge for out-of-county waste? \$ per ton: | 0 | |
| | | \$ per cubic yard: | 0 |
| | c. What is the total revenue generated from service fees charged to: | Businesses: | 0 |
| | | Residents: | 0 |
| | If you can't break out by business and residential but know the grand total, list here: | | 0 |

- | | | |
|----|---|---|
| 4. | How many sites in the county are available for self-hauling of MSW? Includes sites with one or more public canisters, transfer stations and processing/disposal facilities. | 4 |
|----|---|---|

County solid waste SCORE staffing

How many county full-time equivalent (FTE) staff worked on the following activities?

- | | | |
|-----|--|------|
| 5. | Source reduction | 0 |
| 6a. | Recycling collection and processing | 0 |
| 6b. | Recycling administration/support staff | 0 |
| 7. | Yard waste | 0 |
| 8. | Waste education | 0 |
| 9. | HHW & problem materials | 0 |
| 10. | Other SCORE program planning and administration | 0 |
| 11. | Total County SCORE Staff | 0.00 |
| 12. | How many city and township staff worked on SCORE-related activities? | 0 |

Recycling

- | | | |
|-----|--|-------|
| 13. | How many cities and townships offer curbside recycling at least once monthly? | 1 |
| 14. | Estimate the population served by residential curbside recycling programs. | 2,000 |
| 15. | Do all cities in your county with a population greater than 20,000 (cities greater than 5,000 in metropolitan counties) provide curbside recycling to residents? | N/A |

16.	Do all cities in your county with a population greater than 5,000 provide curbside recycling and/or recycling center to residents?	N/A
17.	Does the county have a specific program to promote commercial/industrial recycling?	Yes
18.	How many recycling centers are there in the county? (please read definition, page 13)	3
19.	How many recycling stations are there in the county? (please read definition, page 14)	7
20.	How many material recovery facilities (MRF's) are there in the county?	2
21.	Has the county banned recyclable material from landfills or the disposal system? If so, identify grades (e.g. aluminum, plastic, corrugated) below. Do not include materials banned by state law:	No
22.	Has the county enacted an ordinance requiring:	No
	a. residents to recycle	No
	b. business to recycle	No
	c. haulers to provide recycling collection services	No
23.	If not countywide, how many cities in the county have ordinances requiring:	0
	a. residents to recycle	0
	b. business to recycle	0
	c. haulers to provide recycling collection services	0
24.	Does the county license recycling collectors?	Yes
25.	Does the county require recycling collectors to submit tonnage reports?	Yes
26.	Does the county, or do any municipalities, use the following labor resources for SCORE programs? Please indicate all that apply.	
	a. volunteer	Yes
	b. non-profit	Yes
	c. private sector	Yes
	d. sentence-to-serve	Yes

Yard Waste Management

27.	How many yard waste drop-off sites are there in the county?	5
28.	How many yard waste curbside collection programs are there in the county?	0
29.	Estimate the population served by yard waste curbside collection programs.	0
30.	Does the county have an ongoing education program to inform residents how to minimize yard waste generation through on-site composting, mulching and/or low-maintenance or naturalized landscaping?	Yes
31.	Does the county have an ongoing education program to inform residents how to manage yard wastes through drop-off sites or curbside collection?	Yes
32.	Has the county notified residents of the prohibition on land disposal of yard waste?	Yes

Household Hazardous Waste (HHW) and problem Materials

33.	Has the county provided residents with educational materials on the reduction, identification and proper management of HHW?	
34.	Did the county conduct any HHW product exchanges?	
35.	Does the county operate or cooperate in a permanent HHW facility?	
36.	How many households delivered HHW directly to a permanent HHW facility?	0
37.	How many HHW collection events were held in the county?	0

38. How many households participated in HHW collection events? 0

Procurement

39a. How often does the county use *The Environmentally Preferable Purchasing Guide*? Sometimes

40. How often did the county explicitly specify recycled materials when putting out a bid? Sometimes

41. How much money did the county spend on *recycled-content* purchases this year? \$0.00

42. Does the county procure any of the following products? Check all that apply

Office	a. recycled paper	Yes	k. recycled flooring	No
	b. recycled envelopes	Yes	l. integrated pest management	Yes
	c. soy or agri-based inks	Yes	m. plastic lumber	No
	d. energy-efficient office equipment	Yes	n. recycled mulch	Yes
	e. remanufactured toner cartridges	Yes	Vehicle o. alternative based vehicles	No
	f. refurbished furniture	Yes	p. re-refined oil	Yes
Bldg maint	g. recycled paper toiletries	Yes	q. recycled or long-life antifreeze	Yes
	h. less toxic cleaners	Yes	r. retread tires	No
	i. recycled trash bags or bins	Yes	s. recycled glass road aggregate	Yes
	j. recycled paint	Yes	t. recycled traffic cones	No
	u. Other (please specify):			

43. How many recycled-content products did the county purchase this year compared to last? Same

44. Do you have any examples of innovative approaches that address a barrier to buying recycled and/or less toxic products? No

Electronic Appliances

45. Did the county, or did any municipalities within the county, collect waste electronic appliances from residents as part of any recycling or HHW services?

46. Did the county, or did any municipalities within the county, have a contract for use and/or repair of electronic appliances where the county or municipality is responsible for disposal of the electronic appliance at the end of its useful life?

47. Did the county, or any municipalities within the county, have a contract for use and/or repair of electronic appliances where the contractor (usually a vendor or manufacturer) will take back the electronic appliance at the end of its useful life?

If yes, please list types of equipment under contract:

Feedback and Comments

Source Reduction Checklist

Promotion

- 1. Advertise business source reduction success through a county awards program or through local newspapers, radio, television, or other media. No
- 2. Advertise residential source reduction success through a county awards program or through local newspapers, radio, television, or other media. No
- 3. In the last three years, conduct focus groups or a survey of No

businesses and institutions about source reduction activities and assistance needs.

- | | |
|---|-----|
| 4. In the last three years, conduct focus groups or a survey of residents about source reduction activities and assistance needs. | No |
| 5. Establish an ongoing source reduction recognition program for county employees. | No |
| 6. Promote materials exchange through mailings, presentations or other media including the Internet. | Yes |
| 7. Promote SR through television and radio appearances. | No |

General Education/Information

- | | |
|--|-----|
| 8. Hosted events for Pollution Prevention Week | Yes |
| 9. Distributed materials (brochures, flyers, fact sheets, posters, etc.) to at least 25 percent of county businesses in the last 3 years. | Yes |
| 10. Distributed materials (brochures, flyers, fact sheets, posters, etc.) to at least 25 percent of county residents in the last 3 years. | Yes |
| 11. Developed/updated a solid and hazardous waste directory for county residents and/or businesses within the last three years. | No |
| 12. Integrated source reduction into county employee training and education programs. | Yes |
| 13. Promote OEA's What-A-Waste Curriculum or other source reduction curriculum or activities in schools. Please list materials or activities promoted: Recycling relay, Sportshow, composting class, waste reduction | Yes |
| 14. County staff has used resources from the OEA's Source Reduction Toolkit to implement SR programs. | Yes |
| 15. Staffed a SR display at a county fair or similar event. | Yes |
| 16. Incorporate SR information into a county website. | Yes |
| 17. Distributed home composting educational materials to county residents. | Yes |

Outreach to County Departments & Local Governments

- | | |
|--|-----|
| 18. A team that meets at least quarterly, including representatives from major county departments, that discusses SR as a formal part of the agenda. | No |
| 19. Cooperate with other counties to fund regional SR programs to promote source reduction. | Yes |
| 20. Attend 2 or more Counties and Cities Involved in Source Reduction and Recycling (CISRR) meetings or a regional SR workshop. | Yes |
| 21. Attend 4 or more Counties and Cities Involved in Source Reduction and Recycling (CISRR) meetings. | No |

Technical Assistance

- | | |
|---|-----|
| 22. Conduct site visits to 1-10 businesses. | Yes |
| 23. Conduct site visits to 11-40 businesses. | No |
| 24. Conduct site visits to 40+ businesses. | No |
| 25. Conduct a training session, workshop, or presentation at a business, institutional, or community event. | Yes |
| 26. Collaborated on a multi-county SR event (not limited to workshops and trainings). | No |
| 27. Conduct a waste audit or survey of at least 10 percent of county facilities within the past three years to target SR. | No |
| 28. Actively promoted and provided technical assistance for Minnesota Waste Wise. | Yes |
| 29. Developed a home composting bin distribution program for county residents. | No |
| 30. Conducted (or co-sponsored) workshops demonstrating proper home composting techniques. | Yes |
| 31. Offer permanent home composting demonstration sites. | No |
| 32. Refer organizations to an existing materials exchange program. | Yes |

- | | |
|---|-----|
| 33. Coordinate materials exchange through a HHW program. | Yes |
| 34. Coordinate, work with, or provide funding or in-kind support to a local materials exchange program. | No |
| 35. Actively assist in the exchange of materials between organizations. | No |
| 36. Work with targeted sector of business community to reduce waste. | No |
| 37. Incorporate green building goals/requirements in county construction remodeling, and maintenance bid specs and contracts. | No |
| 38. Coordinate reuse project (other than materials exchange). Please List: | No |
| 39. Conduct training with county purchasers about environmentally preferable purchasing. | Yes |

Policy Initiatives

- | | |
|--|----|
| 40. Resolution passed by county board on environmentally responsible purchasing guidelines for county facilities. | No |
| 41. Implement and promote a variable rate pricing system through county ordinance, licensure, or contract for collection. | No |
| 42. Developed an implementation strategy in county solid waste management plan that is designed to achieve a minimum of 10% per-capita source reduction. | No |
| 43. Resolution passed by county board on "green building" guidelines for construction, remodeling, and maintenance of county facilities and grounds. | No |

Summary: You have answered 'Yes' to 19 of 43 questions.

Based on this, you will receive a Source Reduction Credit of 3.

4. Revenue and Expenditures**A. Revenues****1. Calendar year 2011 revenues (1/1/2011 to 12/31/2011)**

Balance carried-over from CY 2011	\$267,448.00
Adjust to balance carried-over from CY 2011	\$0.00
Subtotal A1	\$267,448.00

2. Calendar year 2012 revenues (1/1/2012 to 12/31/2012)

County local revenue sources:	
General Revenue (special assessments, levy, prop. tax, etc.)	\$170,829.19
Service fee	\$0.00
Processing facility tip fee	\$0.00
Land disposal facility surcharge	\$0.00
SCORE funds received in CY 2012 (refer to appendix for amount)	\$55,950.00
Grants - description:	
Household hazardous waste (HHW) funding from MPCA	\$2,868.52
HHW funding from regional program sponsor	\$0.00
Material sales	\$0.00
Other - description: Licenses, Env. Ed, Misc.	\$6,341.80
Subtotal A2	\$235,989.51
Total A	\$503,437.51

B. Expenditures**1. SCORE planning, oversight and administration**

Consultant costs	\$0.00
------------------	--------

County Staff salary (should match FTE's listed on page 1)	\$0.00	
Office equipment & supplies (computers, etc.)	\$0.00	
Training, seminars and conferences	\$0.00	
Other - description: Salary, Equipment & Supplies, Training & Seminars	\$150,525.96	
	Subtotal B1	\$150,525.96
2. Recycling		
Direct capital expenditures	\$0.00	
Direct operating expenditures:		
County-contracted private services		
Residential curbside collection	\$0.00	
Recycling centers and/or recycling stations	\$0.00	
Commercial/industrial collection	\$0.00	
Processing	\$0.00	
Subsidy to private operators	\$0.00	
County-operated services	\$0.00	
Other - description: Recycling Centers, Subsidy to Private Operators	\$67,975.62	
	Subtotal B2	\$67,975.62
3. Yard Waste		
Direct capital expenditures	\$0.00	
Direct operating expenditures-county contracted private services:		
Curbside collection & processing	\$0.00	
Drop-off site management & processing	\$0.00	
Subsidy to private operators	\$0.00	
County-operated services	\$0.00	
Other - description: Advertising, Education	\$300.00	
	Subtotal B3	\$300.00
4. Household Hazardous Waste (HHW) & Problem Material Management		
Direct capital expenditures	\$0.00	
Operating Expenditures	\$0.00	
Transportation and Disposal	\$0.00	
Major appliance management	\$0.00	
Electronic appliance management	\$0.00	
Used oil management	\$0.00	
Household battery management	\$0.00	
Household fluorescent tube & HID lamp management	\$0.00	
Pass-through grants to counties in regional HHW program	\$0.00	
Other - description: Operating expenditures, Transportation & Disposal	\$10,465.83	
	Subtotal B4	\$10,465.83
5. Source Reduction		
Technical assistance to businesses	\$0.00	
Capital investment	\$0.00	
Other - description: Technical assistance to businesses	\$991.42	
	Subtotal B5	\$991.42
6. Education		
Source Reduction	\$0.00	
Recycling	\$0.00	
Yard Waste	\$0.00	
HHW & Problem Materials	\$0.00	
General public education	\$0.00	

Grants to schools	\$0.00	
Other - description: Recycling, HHW & General Public Education	\$6,173.01	
Subtotal B6	\$6,173.01	
7. Market Development		
Description 1:	\$0.00	
Description 2:	\$0.00	
Subtotal B7	\$0.00	
8. Litter Prevention		
Description	\$0.00	
Subtotal B8	\$0.00	
9. County Grants to Other Local Units of Government		
SCORE planning, oversight and administration	\$0.00	
Recycling direct capital expenditures	\$0.00	
Recycling operating expenditures	\$0.00	
Yard waste direct capital expenditures	\$0.00	
Yard waste operating expenditures	\$0.00	
HHW and problem materials management	\$0.00	
Source reduction, education, market development and misc.	\$0.00	
Other - description:	\$0.00	
Subtotal B9	\$0.00	
C. Balance		
Total CY 2012 revenues	Total A:	\$503,437.51
Total CY 2012 expenditures	Total B:	\$236,431.84
Balance carried-over to CY 2013	Total C:	\$267,005.67

Summary - Recycling

	Residential	Documented CII	Estimated CII	M/H Separated	Total
Paper					
Corrugated	327.54	241.80			569.34
Mixed paper	496.86	131.20			628.06
SubTotal:	824.40	373.00			1,197.40
Metal					
Aluminum	25.79	38.90			64.69
Other ferrous & non-ferrous		622.55			622.55
Steel/tin cans	23.82	13.10			36.92
SubTotal:	49.61	674.55			724.16
Glass					
Food & beverage	182.63	54.60			237.23
SubTotal:	182.63	54.60			237.23
Plastic					
Mixed plastic	96.48	8.50			104.98
SubTotal:	96.48	8.50			104.98
Banned					
Major appliances	99.00				99.00
Used oil	80.25				80.25
Used oil filters	7.60				7.60
Vehicle batteries	101.27				101.27
Waste tires	147.07				147.07

Antifreeze	1.85		1.85
Electronics	32.25		32.25
Fluorescent & HID lamps	3.75		3.75
HHW	5.14		5.14
Latex paint	4.20		4.20
SubTotal:	482.38		482.38
Other			
Unspecified or Other	2.49		2.49
SubTotal:	2.49		2.49
Textiles			
Textiles	12.00		12.00
SubTotal:	12.00		12.00
Grand Total:	1,649.99	1,110.65	2,760.64

On-site disposal of uncollected MSW

Estimated county population without MSW collection service that doesn't self-haul: 655 persons.

Estimated MSW managed on-site (based on above population): 275 tons per year.

Managed MSW

Estimate the percent of MSW generated by the C/I sector: 0.4 %

Summary of MSW Tons

Itasca County SW Transfer Station (SW-436)		Tons
Elk River Sanitary LF		250.00
	Total	250.00
Direct Haul to Destination Facilities		Tons
Greater Morrison Sanitary LF		64.68
East Central Sanitary LF		9,688.18
Elk River Sanitary LF		52.50
	Total	9,805.36
Summary		Tons
	Transfer Station Total	250.00
	Direct-Haul Total	9,805.36
	Total	10,055.36

27-Sep-13 Prepared by:TN
 Inflation =
 Interest Earned =

AITKIN COUNTY SOLID WASTE MANAGEMENT BUDGET SYSTEM --RECYCLING+MSW TRANSFER STATION+LANDFILL DISPOSAL
 2.00%
 1.00%

			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Population	10 YR pop. change % =	0.80%	16,596	16,729	16,863	16,997	17,133	17,271	17,409	17,548	17,688	17,830
Households & Businesses	assume persons / hh =	2.2	7,544	7,604	7,665	7,726	7,788	7,850	7,913	7,976	8,040	8,104
RESOURCE RECOVERY & LAND DISPOSAL FACILITIES RECEIVING AITKIN CO. WASTES												
ELK RIVER LANDFILL, ELK RIVER MN			303	305	308	310	313	315	318	320	323	326
EAST CENTRAL SOLID WASTE COMMISSION LANDFILL			9688	9,766	9,844	9,922	10,002	10,082	10,162	10,244	10,326	10,408
MORRISON COUNTY LANDFILL			65	66	66	67	67	68	68	69	69	70
Total to Resource Recovery & Landfill - tons / year			10,056	10,136	10,218	10,299	10,382	10,465	10,548	10,633	10,718	10,804
Estimated Aitkin County Commercial Waste Generation @ % MSW 10%			1,005	1,014	1,022	1,030	1,038	1,046	1,055	1,063	1,072	1,080
TOTAL COUNTY ABATEMENT PROGRAM TONS			3,415	3,535	3,658	3,786	3,919	4,056	4,198	4,345	4,497	4,654
			Recycling, YW, HHW, Spec. W. tons/yr									

SUMMARY OF SOLID WASTE EXPENDITURES WITHIN AITKIN COUNTY

COUNTY SOLID WASTE PROGRAM COSTS

Abatement Program Costs by the Co. - includes staff & recyc fac.	\$246,775	\$251,711	\$256,745	\$261,880	\$267,117	\$272,460	\$277,909	\$283,467	\$289,136	\$294,919
TOTAL COUNTY SOLID WASTE MANAGEMENT PROGRAM COSTS	\$246,775	\$251,711	\$256,745	\$261,880	\$267,117	\$272,460	\$277,909	\$283,467	\$289,136	\$294,919
Cost / HH & Business / Year -- (occupied HH)	\$32.71	\$33.10	\$33.50	\$33.90	\$34.30	\$34.71	\$35.12	\$35.54	\$35.96	\$36.39
Cost / HH & Business / Month	\$2.73	\$2.76	\$2.79	\$2.82	\$2.86	\$2.89	\$2.93	\$2.96	\$3.00	\$3.03

REVENUE ESTIMATES FOR COUNTY WASTE MANAGEMENT PROGRAMS

MPCA HHW Grants + Regional Program Sponsor	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750	\$2,750
SCORE Funding	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950	\$55,950
Solid Waste Levy	\$186,075	\$191,011	\$196,045	\$201,180	\$206,417	\$211,760	\$217,209	\$222,767	\$228,436	\$234,219
License Fees	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Misc.	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000

GROSS REVENUE TOTAL for County Solid Waste Management Programs

\$246,775	\$251,711	\$256,745	\$261,880	\$267,117	\$272,460	\$277,909	\$283,467	\$289,136	\$294,919
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
ABATEMENT PROGRAMS & EXPENSES										
WASTE REDUCTION and EDUCATION	\$6,250	\$6,375	\$6,503	\$6,633	\$6,765	\$6,901	\$7,039	\$7,179	\$7,323	\$7,469
RECYCLING										
Contracted Recycling Services	\$70,000	\$71,400	\$72,828	\$74,285	\$75,770	\$77,286	\$78,831	\$80,408	\$82,016	\$83,656
Total Recycling Cost	\$70,000	\$71,400	\$72,828	\$74,285	\$75,770	\$77,286	\$78,831	\$80,408	\$82,016	\$83,656
PROBLEM MATERIAL MANAGEMENT	\$3,000	\$3,060	\$3,121	\$3,184	\$3,247	\$3,312	\$3,378	\$3,446	\$3,515	\$3,585
HOUSEHOLD HAZARDOUS WASTE										
Program Operating Costs	\$4,000	\$4,080	\$4,162	\$4,245	\$4,330	\$4,416	\$4,505	\$4,595	\$4,687	\$4,780
Contract with SO	\$8,000	\$8,160	\$8,323	\$8,490	\$8,659	\$8,833	\$9,009	\$9,189	\$9,373	\$9,561
Total Annual Cost	\$12,000	\$12,240	\$12,485	\$12,734	\$12,989	\$13,249	\$13,514	\$13,784	\$14,060	\$14,341
COUNTY STAFF & ADMINISTRATION - only for time spent on solid waste activities										
Staff	\$117,000	\$119,340	\$121,727	\$124,161	\$126,645	\$129,177	\$131,761	\$134,396	\$137,084	\$139,826
Benefits	\$30,250	\$30,855	\$31,472	\$32,102	\$32,744	\$33,398	\$34,066	\$34,748	\$35,443	\$36,152
Administration, travel, equipment, S. Waste Committee, Capital Expenditures	\$8,275	\$8,441	\$8,609	\$8,781	\$8,957	\$9,136	\$9,319	\$9,505	\$9,695	\$9,889
Total Solid Waste Staff & Administration Cost	\$155,525	\$158,636	\$161,808	\$165,044	\$168,345	\$171,712	\$175,146	\$178,649	\$182,222	\$185,867
GROSS EXPENDITURE FOR COUNTY ABATEMENT PROGRAMS										
TOTAL GROSS COUNTY ABATEMENT PROGRAMS EXPENDITURE	\$246,775	\$251,711	\$256,745	\$261,880	\$267,117	\$272,460	\$277,909	\$283,467	\$289,136	\$294,919
HOUSEHOLD GROSS EXPENDITURE / YR - including Co. Staff	\$34.93	\$35.63	\$36.34	\$37.07	\$37.81	\$38.56	\$39.34	\$40.12	\$40.93	\$41.74
MONTHLY HOUSEHOLD GROSS EXPENDITURE - including Co. Staff	\$2.91	\$2.97	\$3.03	\$3.09	\$3.15	\$3.21	\$3.28	\$3.34	\$3.41	\$3.48
NET COST / Household / Month -- after SCORE grant \$\$	\$2.91	\$2.97	\$3.03	\$3.09	\$3.15	\$3.21	\$3.28	\$3.34	\$3.41	\$3.48