East Central Solid Waste Commission



2015 INTEGRATED SOLID WASTE MANAGEMENT PLAN

December 15, 2015

Chapter 1 – Executive Summary

A. Introduction

The East Central Solid Waste Commission 2016 Integrated Solid Waste Management Plan has been developed in accordance with MN Statute 115A and MN Rules 9215.0500-9215.0950 governing the development, adoption and implementation of solid waste management plans for Minnesota Counties. The Solid Waste Management Plan is the combined effort of the five member counties of the East Central Solid Waste Commission.

The Plan is designed in accordance with the waste management goal of the State which is to foster an integrated waste management system in a manner appropriate to the characteristics of the waste stream and thereby protect the state's land, air, water and other natural resources and the public health. The following waste management practices are in order of preference:

- 1. Waste reduction and reuse.
- 2. Waste recycling.
- 3. Composting of yard waste and food waste.
- 4. Resource recovery through mixed municipal solid waste composting or incineration.
- 5. Land disposal which produces measurable methane gas or which involves the retrieval of methane gas as a fuel for the production of energy to be used on-site or for sale.
- 6. Land disposal, which produces measurable methane and which does not involve the retrieval of methane gas as a fuel for the production of energy to be used on-site or for sale.

This plan contains the solid waste data analysis and existing integrated management system for Mille Lacs County and presents policies and strategies to guide Mille Lacs County's solid waste planning program over the next ten years.

B. Multicounty Solid Waste Commission History

The East Central Solid Waste Commission (ECSWC), located in Mora, Minnesota, was formed in 1988 through a joint powers agreement between the Counties of Chisago, Isanti, Kanabec, Mille Lacs and Pine for the purpose of establishing and conducting solid waste management programs and for planning collectively on behalf of the member counties. Since the adoption of the Strategic Business Plan in 2003, it has been determined that the ECSWC will continue to operate the municipal solid waste landfill in Mora and a transfer station in Hinckley and Cambridge. The Commission will assist the counties with their other solid waste issues but the counties will be responsible for all programs and planning. The ECSWC Board of Commissioners is comprised of one voting member selected from the Board of County Commissioners of each county.

The five-county area contains 15 towns and cities of 1,000 or more in population and has a total population of 172,000. The two southern-most member counties (Chisago, Isanti) are experiencing rapid growth due to suburban expansion of the Twin Cities Metropolitan Area, while two other member counties (Kanabec, Mille Lacs) remain mostly rural in nature. The fifth member county (Pine) is experiencing moderate growth that is expected to continue due to its location along the Interstate 35 corridor between the Twin Cities and Duluth.

From 1988 through 1991 the ECSWC acquired property and constructed a number of solid waste management facilities. These facilities included a 22-acre Subtitle D Municipal Solid Waste (MSW) Landfill, two MSW transfer stations, a Demolition Debris Landfill and a MSW composting facility. All of the facilities, with the exception of the MSW composting facility, are active and operating.

The composting facility was opened at the ECSWC in 1991. It was originally designed to serve as the cornerstone of the solid waste management system. However, the facility ceased operation in the spring of 1994 due to operational and financial difficulties, as well as the loss of regulatory flow control of the MSW. The compost facility will remain inactive because lack of flow control to regulate quantities of waste, waste stream not conducive to mixed waste composting, odor problems, large capital costs, and need for county subsidies. The ECSWC and member counties are continually assessing alternative uses for these assets. The buildings that once housed the composting facility are currently being used to store mattresses for recycling. The docks behind the building have been used for steel recycling since 2001.

The ECSWC owns 160 acres as part of the MSW landfill facility. This acreage provides the potential for a significant expansion of the system's permitted airspace. The ECSWC contracts waste transportation needs. All scale houses and landfill facilities are operated by ECSWC staff.

C. Organizational Overview

1. Basic ECSWC Structure

The East Central Solid Waste Commission Board of Commissioners consists of a County Commissioner elected from each participating county of the Joint Powers Agreement.

The East Central Solid Waste Commission employs an Executive Director, a part-time Fiscal Officer, six full-time and three part-time Heavy Equipment Operators, one full-time and seven part-time scale operators and a part-time clerk-typist.

2. Basic County Structure

A county board of commissioners governs each county in the State of Minnesota. County boards are elected by district, serve a four-year term, and are responsible for the operation of the county and the delivery of county services. Other elected officials include the county sheriff, county attorney and watershed district directors. County engineer, auditor, treasurer and recorder are appointed. Other elected officials include court administrator, county coroners and county surveyors. The ECSWC staff work in coordination with each county's environmental services staff.

D. Overview of ECSWC 2016 Integrated Solid Waste Management System

Municipal Solid Waste (MSW) generated within the five counties of the ECSWC should be disposed of at the landfill owned by the ECSWC in Mora, Minnesota. However, Mille Lacs County delivers most of its MSW to the Elk River Landfill. Chisago County and Isanti County are seeing MSW being sent to both Wisconsin and to the Elk River Landfill.

The ECSWC system transfers and disposes of over 72,000 tons per year of MSW from the five-member counties. Over 94 percent of the waste is delivered to the system by commercial haulers through long-term waste disposal agreements. Over 70 percent of the waste received by the ECSWC system is transferred through its two transfer stations.

The East Central Solid Waste Commission Facilities are:

- Cambridge Transfer Station (SW-400)
- Hinckley Transfer Station (SW-401)
- Mora Sanitary Landfill (SW-17)

The Counties believe that the proposed solid waste management system described in this plan is the most feasible and prudent system available to the Counties at this time. The Counties realize that planning at local and regional levels is essential to effectively evaluate and consider alternative solid waste management strategies. The Counties will utilize input from the Environmental Services Office of each county and also from the ECSWC Board of Directors to guide implementation of Plan recommendations and analysis of future changes in solid waste management.

Like other solid waste managing agencies across the state, the Counties are concerned with the rising cost of waste management, the potential environmental impacts of land disposal, long term waste abatement solutions, changes in waste management policies in neighboring states and our need for success in achieving waste reduction and recycling goals set by the State of Minnesota.

E. Solid Waste Management Programs and Policies

The plan proposes continuation and, in specific cases, expansion of the programs mentioned below and considers them an integral part of a successful solid waste program. While it is anticipated that each of the member counties of the ECSWC will continue solid waste abatement programs as they have in the past, the Board of Commissioners of each county will direct staff to constantly evaluate the existing programs to insure they remain successful and cost effective. The Counties will examine all aspects of the proposed programs to insure they are in the best interests of the residents and adhere to existing solid waste management planning rules and program outlines.

1. Waste Reduction and Recycling

The ECSWC along with the five counties emphasis has been placed on discouraging on-site disposal and roadside dumping, providing electronics recycling and household hazardous waste collection for all residents, and educating the public on waste reduction and recycling. East Central Solid Waste Commission distributes pamphlets at all three sites: Mora, Cambridge, and Hinckley. Pamphlets have been created and distributed to discourage burn barrels, encourage scrap metal recycling and mattress recycling. ECSWC Mora's scale house distributes information about the host township's recycling facility; Arthur Township Recycling Facility is located in Mora, Minnesota.

East Central Solid Waste Commission along with the five member counties will include all available recycling information on their websites and be provided with pamphlets to distribute.

2. Waste Education

The ECSWC, along with the five counties, consider public education a fundamental component of the overall integrated solid waste management system. Ongoing public education will be provided for all elements of the solid waste management system and will have a prominent role in the 5-Counties' waste reduction, recycling, yard waste composting, household hazardous waste programs and the elimination of burning barrels.

3. Recycling

ECSWC facilities at Hinckley, Cambridge and Mora accept carpet, scrap metal, cardboard, mattresses, tires, appliances, electronics for recycling.

Chisago County requires as a condition of licensure, all waste haulers operating in the County must offer residents curbside recycling for a minimum of 4 types of materials at least once per month. Chisago County also has several privately owned recycling facilities located in the County. The County plans to facilitate development of local markets for recyclables. Newsletters will be sent to all businesses in the county providing information on recycling opportunities. A survey is being developed which will be sent to all businesses in the county. The responses will provide essential recycling data for the county's reporting. Chisago County's recycling rate is currently 30%. In order to reach the state required 35% goal, the county is developing a survey along with the other 4-ECSWC counties, to reach out to businesses and collect recycling data not currently being reported, i.e. backhauling of recyclables. The Environmental Connections newsletter also mails out to every household and businesses in the county, a new business section will be included that will help inform businesses of their recycling options and highlight local businesses that do. The county is currently developing a business recycling grant that will promote the growth of business recycling and local recycling markets. Efforts will also include staff connecting with local business groups (i.e. Rotary and Chamber) to offer information on recycling opportunities.

Isanti County's recycling rate is currently at 37% so they have reached the 35% recycling goal. Isanti County enacted an ordinance requiring curbside recycling as a requirement for residential MSW transportation by a commercial garbage hauler. Newsletters will be sent to all businesses in the county providing information on recycling opportunities. A survey is being developed which will be sent to all businesses in the county. The responses will provide essential recycling data for the county's reporting.

Kanabec County's recycling rate is currently at 23%. There has been success with recycling centers located at Arthur Township, Quality Disposal, and JnJ Recycling. Newsletters will be sent to all businesses in the county providing information on recycling opportunities. A survey is being developed which will be sent to all businesses in the county. The responses will provide essential recycling data for the county's reporting.

Mille Lacs County's recycling rate is currently at 9%. Mille Lacs County operates, through a private contractor, two static recycling centers open 12 hours per week in the cities of Milaca and Princeton. The same contractor offers recycling on alternating Saturdays in the cities of Isle and Onamia. A business survey has been developed to determine recycling rates by businesses. Summer interns are utilized to manage the business surveys and to contact businesses that recycle oil and batteries to collect data for the Annual SCORE Report. The responses will provide essential recycling data for the county's reporting and assist the County in reaching their goal of 35%.

Pine County's recycling rate is currently at 41%. Pine provides 22 recycling sheds at various locations throughout the 10 towns for residential recycling. The County also offers a 50% subsidy for residents to recycle mattresses, electronics and tires through ECSWC. Newsletters will be sent to all businesses in the county providing information on recycling opportunities. A survey is being developed which will be sent to all businesses in the county. The responses will provide essential recycling data for the county's reporting.

4. Yard Waste

The member counties of the East Central Solid Waste Commission recognize that yard waste has been banned from land disposal since 1992. Each county has encouraged the development of yard waste programs. The 5-member counties utilize the MPCA waste composition study as an indication of the yard waste it generates. ECSWC permitted-by-rule a yard waste site at the Mora facility in 2008; it is being combined with SW-17 permit for future reporting.

5. Household Hazardous Waste

Chisago County Household Hazardous Waste Facility in North Branch serves thousands Chisago County households. Through our Reciprocal Use Agreements with surrounding counties: Isanti County households via the voucher program and Washington County households via reciprocity agreement.

The Chisago County HHW facility office includes a Reuse Area where reusable chemicals that have been checked over, are given away. The products taken include paint, aerosol cans, and assorted cleaners, solvents and automotive products. The number of people taking advantage of this free merchandise has increased significantly over the years. This is a direct cost savings for the County.

Additionally, the Chisago County HHW facility operates an unwanted pharmaceutical collection program with continued growth in participation.

Isanti County has partnered with Chisago County to provide year around household hazardous waste collection at the North Branch facility.

Kanabec County holds an annual Household Hazardous Waste Collection event, hosted by ECSWC.

Mille Lacs County conducts two collections of household hazardous waste each year at varied locations.

Pine County conducts three collections of household hazardous waste each year at varied locations.

6. Construction and Demolition Debris

Demolition debris generation and disposal varies with construction and demolition activity and weather related cleanup. ECSWC has a type I demolition landfill next to the sanitary landfill located in Mora. The Commission is looking for beneficial uses for demolition debris within the landfill construction. It is the goal of the 5-member counties, through education and facility management, to minimize the amount of demolition and construction debris requiring land disposal.

7. Land Disposal

The annual tonnage for the upcoming ten years (2016-2025) are expected to remain relatively consistent throughout with increases in tonnage being due to population growth offset by increases in recycling and waste reduction efforts. It is anticipated that two of the Counties: Kanabec and Mille Lacs, will landfill less MSW in 2025 than in 2016. The County with the greatest percentage increase in MSW landfilled is Pine which is partially due to a reduction in on-site disposal.

8. Environmental and Public Health Impacts

East Central Solid Waste along with Chisago County distributes pamphlets informing residents of the hazards of burn barrels. ECSWC accepts burn barrels for disposal at no cost to the residents. Chisago County also has a part-time deputy working on enforcement to ordinances concerning on-site disposal.

East Central Solid Waste currently has one transfer trailer with a sign discouraging burn barrels. This transfer trailer travels between the landfill near Mora to Cambridge and Hinckley several times per day.

- Starting in 1999, Chisago County was one of the first counties in Minnesota to address the illegal burying problem with the 4B's program. The program consists of a combination of education, encouragement, incentives and enforcement, which are used to reduce onsite burning and burying of household waste. Chisago County is also one of the only counties to employ a solid waste Deputy, who along with the Code Enforcement Officer respond to and enforce on illegal burning calls.
- In 2013, both Isanti and Kanabec County Boards passed resolutions declaring that garbage service is available throughout the County. It is understood that this declaration makes on-site disposal of garbage (burning or dumping) illegal for all residents and business in the County.

F. Program Management and Administration

1. Solid Waste Ordinance

Chisago County Ordinance adopted 2008, Appendix I Isanti County Ordinance adopted 1991, Appendix J Kanabec County Ordinance adopted 1990, Appendix K Mille Lacs County Ordinance adopted 1990, Appendix L Pine County Ordinance adopted 1991, Appendix M

2. Program Administration

Chisago County Environmental Services Isanti County Zoning Office Kanabec County Environmental Services Mille Lacs County Land Services Pine County Planning, Zoning and Solid Waste Department

3. Solid Waste Budget

Program funding and budget information is included in Chapter 4 and Appendix Y.

4. Goal Volume Table

The Goal Volume Tables are included in Appendix T - X.

Table of Contents

Chapt	ter 1 — Executive Summary	1
A.	Introduction	
В.	Multicounty Solid Waste Commission History	1
C.	Organizational Overview	II
1	1. Basic ECSWC Structure	11
2	2. Basic County Structure	II
D.	Overview of ECSWC 2016 Integrated Solid Waste Management System	11
E.	Solid Waste Management Programs and Policies	111
1	1. Waste Reduction and Recycling	111
2	2. Waste Education	111
3	3. Recycling	IV
4	4. Yard Waste	V
5	5. Household Hazardous Waste	V
6	6. Construction and Demolition Debris	V
7	7. Land Disposal	V
8	8. Environmental and Public Health Impacts	VI
F.	Program Management and Administration	VI
Chapt	ter 2: Background Information	1
A.	Scope, Location and Transportation	1
В.	Population	2
C.	Land Use	5
D.	Economy and Employment	10
E.	Summary of Demographic, Geographic and Regional Constraints & Opportunities	13
F.	Solid Waste Generation	13
G.	Solid Waste Composition	16
Н.	Solid Waste Collection	17
l.	Constraints & Opportunities to Existing & Proposed Integrated Solid Waste Systems	23
J.	Solid Waste Planning History	24
Chapt	ter 3: Existing & Integrated Solid Waste Management Systems	25
A.	Introduction	25
В	Commission Policy and Goals	25

C. Chronology of Recent Events (1999 to Present)26
D. Existing Solid Waste Collection and Disposal System
E. Waste Abatement Policies & Programs
1. Solid Waste Reduction
2. Solid Waste Education
3. Recycling Programs
4. Mattress Recycling Programs
5. Carpet Recycling Programs54
6. Yard Waste Management
7. Source-Separated Organic Composting & Food Waste to Animals
8. MSW Land Disposal66
9. Solid Waste Tire Management
10. Major Appliance Management
11. Used Oil and Anti-freeze Management
12. Household Hazardous Waste Management90
13. Battery Management95
14. Construction and Demolition Debris Management
15. Solid Waste Ordinance(s) and Licensing
16. Waste Electronics Management
17. Solid Waste Program Staffing110
18. Solid Waste Program Funding113
19. On-Site and Illegal Disposal - Mitigation of Public Health and Environmental Risk116
Chapter 4: Program Management & Administration
A. Plan Review and Public Participation Program120
B. Plan Review and 10-Year Update124
C. Contingencies to Proposed System
D. Goal – Volume Table
E. Itemized Solid Waste Budget124
F. County Solid Waste Ordinance
Appendix A: Household Hazardous Waste Amendment #1 with State of Minnesota 125
Appendix B: Business Recycling Survey
Appendix C: Recycling in the Chisago Lakes School District
Appendix D: Amendment to the Joint Powers Agreement166

Appendix E: Joint Powers Agreement	169
Appendix F: Amendment to Arthur Host Fee Agreement	181
Appendix G: Arthur Township Host Fee Agreement	183
Appendix H: Kanabec County Agreement	187
Appendix I: Chisago County Solid Waste Ordinance	193
Appendix J: Isanti County Solid Waste Ordinance	211
Appendix K: Kanabec County Solid Waste Ordinance	232
Appendix L: Mille Lacs County Solid Waste Ordinance	251
Appendix M: Pine County Solid Waste Ordinance	271
Appendix N: Chisago County Application for Solid Waste and Recycling Collection and Transportation License	
Appendix O: Isanti County Application for Solid Waste and Recycling Collection and Transportation License	289
Appendix P: Kanabec County Application for Solid Waste and Recycling Collection and Transportation	
Appendix Q: Mille Lacs County Application for Solid Waste and Recycling Collection and Transportati	
Appendix R: Pine County Application for Solid Waste and Recycling Collection and Transportation Lic	
Appendix S: Household Hazardous Waste Program Funding Agreement	298
Appendix T: Chisago Goal Volume Table	304
Appendix U: Isanti Goal Volume Table	310
Appendix V: Kanabec Goal Volume Table	316
Appendix W: Mille Lacs Goal Volume Table	322
Appendix X: Pine Goal Volume Table	328
Annandiy V. ECSMC and County Budgets	33/

Chapter 2: Background Information

A. Scope, Location and Transportation

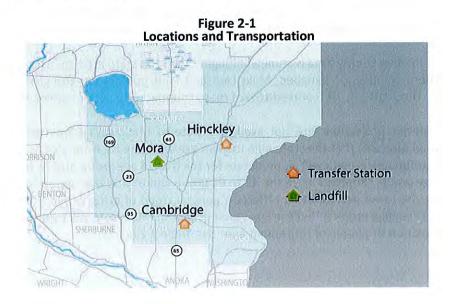
The Background Information chapter of this Plan presents recent demographic and socio-economic conditions in the ECSWC five-county area as well as forecasts of future population and economic trends, and anticipated land uses. The background information is provided to assist policymakers to analyze regional needs for the management of existing and future solid waste systems, education and programs. The member County Boards of Commissioners foresee few, if any major changes within the counties during the planning period but instead will work to improve existing landfill abatement programs.

The East Central Solid Waste Commission owns and operates an integrated solid waste management system consisting of:

- 1. The municipal solid waste landfill located in Arthur Township, Kanabec County;
- 2. The yard waste site located in Arthur Township, Kanabec County;
- 3. The demolition landfill located in Arthur Township, Kanabec County;
- 4. The transfer station located near Cambridge in Isanti County;
- 5. The transfer station located near Hinckley in Pine County;
- 6. And the inactive compost facility located adjacent to the municipal solid waste landfill.

The Commission also provides drop-off recycling at all three facilities for various commodities. Locations are indicated in Figure 2-1 below.

Transportation routes, shown below, identify the major roadway system in the ECSWC service area. The principal roadway within the ECSWC is Interstate 35, which extends north/south through Pine and Chisago Counties. Other principal routes include Highway 23 extending east/west through Pine, Kanabec and Mille Lacs Counties, Highway 65 running north/south through Kanabec and Isanti Counties, Highway 169 running north/south through Mille Lacs County and Highway 95 running east/west though Chisago, Isanti, and Mille Lacs Counties.



B. Population

Population in the ECSWC five-county area grew by 37 percent between 1980 and 2000, from approximately 100,000 residents to 136,000 residents (refer to table 2-1 below). Chisago County experienced the highest growth, nearly 60 percent, and was the fourth fastest growing county in Minnesota during that time period. In comparison, growth in total Minnesota population during the same period was about 21 percent. All of the member counties experienced population growth higher than the State average, and all five counties ranked in the top 25 percent of fastest growing counties in the state.

Table 2-1 ECSWC Population Trends (1980 - 2025)

		•		Growth (1980 - Grov			vth (2000 -	
Jurisdiction	Ye	ar - Populati	on	2000)		2025)		
	1980	2000	2025	Percent	State Rank	Percent	State Rank	
Chisago County	25,717	41.101	67,315	59.8%	6	63.8%	5	
Isanti County	23,600	31,287	45,856	32.6%	12	46.6%	7	
Kanabec County	12,161	14,996	18,048	23.3%	19	20.3%	25	
Mille Lacs County	18,430	22,330	31,395	21.2%	22	40.6%	9	
Pine County	19,871	26,530	36,350	33.5%	11	37.0%	10	
5 - Counties	99,779	136,244	198,964	36.5%	N/A	46.0%	N/A	
State of Minnesota	4,075,970	4,919,479	5,987,609	20.7%	N/A	21.7%	N/A	

Source:

- 1. U.S. Census (1980 and 2000 Data)
- 2. State of Minnesota Department of Planning, Minnesota Population Projections: 2015 2040

In the coming years population growth is expected to continue. Total five-county population is projected to grow from 136,000 to 199,000, an increase of about 46 percent by 2025. Chisago County is projected to grow the fastest, with population increasing by nearly 64 percent by 2025, compared to a statewide average of 22 percent. Again, all five counties are projected to rank in the top quarter of Minnesota counties in terms of population growth with four of our counties in the top ten.

Median age within the five-county area is somewhat higher than the state median. This is particularly true for the northern counties of Kanabec, Mille Lacs and Pine, perhaps due to a greater percentage of retired persons. The 2010 Census reported 16% of these counties' populations are over the age of 65.

Although county-specific projections are not available, State of Minnesota Department of Planning (Minnesota Planning) forecasts that the statewide median age will increase from 35.4 in 2000 to 40.2 in 2030. Among age groupings, growth will be moderate for the 0 to 14 age group, the 15 to 24 age group, and the 25 to 44 age group. Populations in the 45 to 64 group and 65 and over group are projected to rise sharply during the same period. This reflects a general trend of aging within the United States. Notably, Minnesota Planning projects that the lakes area in central Minnesota will experience significant growth in the population of people of retirement age. See Table 2.2 below.

Table 2-2
ECSWC Median Age: 2000 - 2010 Comparison

	Median Age: 2000	Median Age: 2010
Chisago County	34.3	39.0
Isanti County	35.7	37.6
Kanabec County	38.0	42.1
Mille Lacs County	38.0	39.4
Pine County	38.4	41.6
State of Minnesota	35.4	37.4

Source: U.S. Census

This aging trend may be a significant factor impacting future programs and operations of the Commission. However, the five counties maintain a large percent of population under 18 years of age, indicating young families. Therefore, a greater percentage of retired households on fixed incomes, along with households of young families, means that cost of solid waste services in the five-county region will be an important consideration both to residents and the Commission.

Table 2-3
ECSWC Age Categories: % of Population 2010

	2010 Population	% under 18	% over 65
Chisago County	53,887	25.7%	11.6%
Isanti County	37,816	25.9%	12.4%
Kanabec County	16,237	24.0%	16.4%
Mille Lacs County	26,097	25.3%	16.1%
Pine County	29,750	22.2%	16.3%
State of Minnesota	5,303,925	24.2%	12.9%

Source: U.S. Census

Population density is higher in Chisago and Isanti counties, the two southernmost counties in the region; this likely stems from growth tied to expansion of the metro area. Moreover, the counties are located close enough to the metro area to permit residents to commute to jobs in the Twin Cities. Population density tends to be lower in the three northern counties of Kanabec, Mille Lacs and Pine. Density is significantly higher in the towns within the five counties as shown in Table 2-4 below.

Table 2-4 ECSWC Population Density: 2000 - 2010 Comparison

	Land Area (Square Miles)	Density: 2000 (Persons/Square Mile)	Density: 2010 (Persons/Square Mile)
Chisago County	418	98	129
City of North Branch	36	225	281
Isanti County	439	71	86
City of Cambridge	6	894	1,352
Kanabec County	525	29	31
City of Mora	4	721	893
Mille Lacs County	574	39	45
City of Princeton	4	888	1,175
Pine County	1,411	19	21
City of Pine City	3	1,076	1,041
State of Minnesota	79,610	62	67

Source: U.S. Census

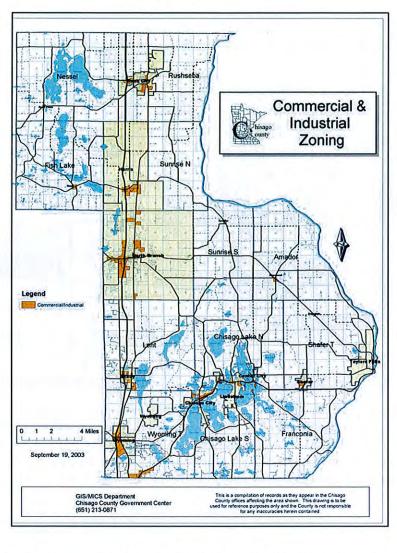
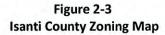
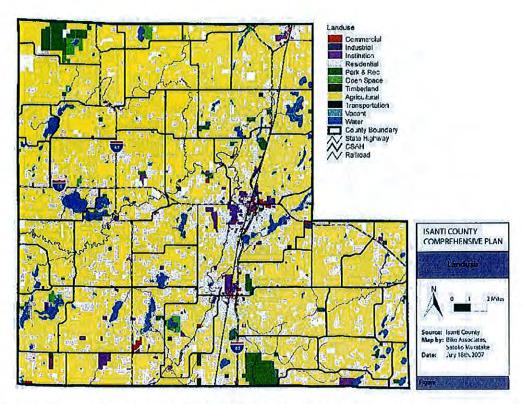


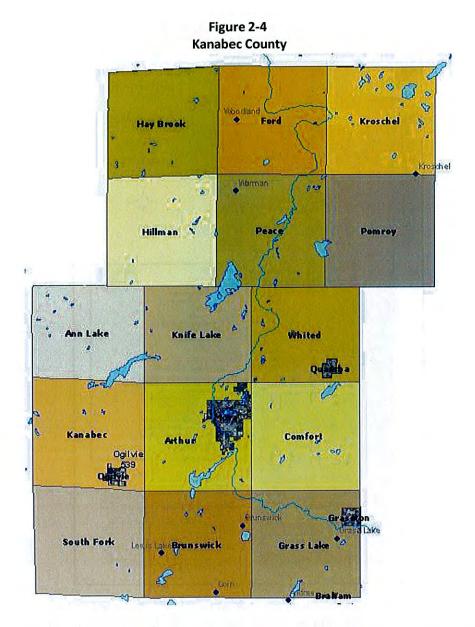
Figure 2-2 Chisago County Zoning Map

Chisago County primary land use was for development of residential dwellings as a result of population migration from the nearby Twin Cities metropolitan area. This trend slowed with the economic downturn which started late 2007. This recession severely affected economic activity both for residential and business growth. Activity finally started picking up in 2011-2012. This trend is expected to continue throughout the planning period.





Development in Isanti County has picked up in the year 2013 and appears to be on a slow and steady increase from the previous recession years. Isanti County is not yet seeing the levels of population growth and development that was prevalent 10 years and it does not appear that Isanti County will see that kind of growth again in the near future. Isanti County is still mostly a rural county with farming activities both big and small (hobby type) farms, recreational land, and three urban centers (Cambridge, Isanti and Braham).



Kanabec County land use remains focused on agriculture, forestry, recreation and rural residential.

Mille Lacs County Minnesota Zoning Map May 1, 2015

Figure 2-1
Mille Lacs County Zoning Map

Mille Lacs County does not have a future land use map at this time. The noted zoning map has been in existence in this current form since approximately 1992 when the last Comprehensive Plan and major Zoning Code update were adopted.

The County recently completed a two-year update of its Comprehensive Plan. As the Plan is more of a strategic business plan for the County, it includes topic areas beyond land use and transportation, traditional limitations of a Comprehensive Plan. No future land use plan was adopted within the updated Comprehensive Plan. The County is starting the process to update the zoning code to reflect the goals of the Comprehensive Plan; it is anticipated that a new land use plan will be discussed during this update process. In addition, the zoning map will be revised to reflect the new land use regulatory controls that will be adopted.

Mille Lacs County land use remains primarily in agriculture, forestry, recreation, and rural residential. In the last half decade, the County has experienced little or no growth due to the financial recession. The County has one of the highest foreclosure rates in the state; this is reflected in the reduction in the recycling and solid waste tonnages reported from the County. Significant increases in growth are not anticipated within the planning period.

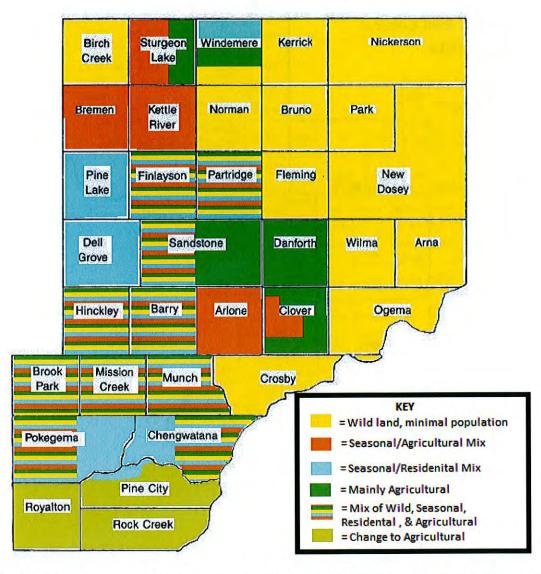


Figure 2-6
Pine County Land Use Map

Over the past decade Pine County has seen minimal change in land use. Areas of land use within the county can be described by five categories: mainly wild land with minimal population, areas of seasonal and agricultural mix, areas of seasonal and residential mix, mainly agricultural areas, and areas which are a mix of all land types.

The only notable change in land use is the southern portion of the county which experienced significant residential development pressure and growth in the early parts of the millennium. This pressure and growth significantly dwindled with the financial and banking crisis starting in approximately 2007. In more recent years with the increase in crop prices, there has been a significant change in these areas to agricultural use, and in some instances, vacant residential developments being put back to farm fields, clearing of trees, and removing old farmsteads.

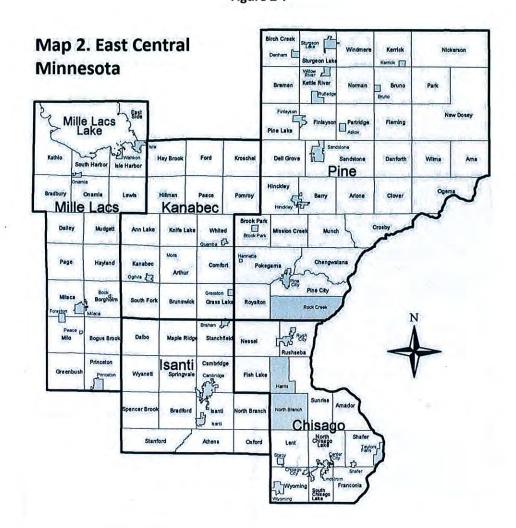


Figure 2-7

D. Economy and Employment

The three largest sectors of employment in the five-county region are education and health care services, manufacturing and retail trade, with construction 4th in all counties with the exception of Pine whose 4th largest employment sector is entertainment and recreation. These sectors account for nearly 70 percent of total employment in the region. Across the five-county region the agriculture, forestry, fishing and hunting, and mining sector of employment is one of the smallest, below 2% in Chisago, Isanti, and Mille Lacs. As might be expected, farming represents a greater share of employment income of the northern counties: Kanabec 3.4% and Pine 4.1%.

Table 2-5
ECSWC Industry Employment and Class of Workers 2011

	Education Services & Health Care	Manufacturing	Retail Trade	Construction	Art, Entertainment, Recreation	Private Wage	Government	Self- Employed
Chisago County	22.5%	15.9%	11.2%	10.9%	6.5%	81.2%	11.6%	7.0%
Isanti County	24.0%	16.7%	12.1%	1.4%	6.0%	82.1%	11.4%	6.2%
Kanabec County	21.7%	14.0%	11.6%	11.0%	9.3%	75.8%	14.7%	9.0%
Mille Lacs County	23.4%	17.0%	12.1%	8.7%	8.5%	78.0%	12.0%	10.0%
Pine County	19.3%	10.4%	11.8%	10.2%	16.3%	73.0%	17.0%	10.0%

Source: U.S. Census, 2007 - 2011 American Community Survey

Minnesota Department of Employment and Economic Development (DEED) on July 18, 2013:

"The Minnesota economy continues to improve, with the unemployment rate reaching a post-recessionary low point and private sector employers adding 2,500 jobs in June," said DEED Commissioner Katie Clark Sieben. "We have now recovered 95 percent of the jobs that were lost in the recession."

While the unemployment rates in the five-county area were higher than the state rate in 2010 and remain so in June 2013, our counties are seeing improvement. The table below shows Chisago and Isanti, being closer to the Twin Cities metro area, are near the state rate of 5.2%. However the northern counties rates are nearer the national rate of 7.6% in June 2013.

Table 2-6
ECSWC Median Age: 2000 - 2010 Comparison

	2005	2010	2013
Chisago County	4.2%	8.5%	5.7%
Isanti County	4.1%	8.6%	5.4%
Kanabec County	5.5%	10.4%	7.8%
Mille Lacs County	5.6%	10.8%	7.4%
Pine County	5.5%	9.3%	6.9%
State of Minnesota	4.1%	7.2%	5.2%

Source: U.S. Department of Labor Bureau of Labor Statistics

Central Minnesota, with five counties adjacent to the Twin Cities metro area, was the state's leader in job growth up until the Great Recession. The residential development spillover from the Twin Cities along the I-94 corridor between the St. Cloud area and up I-35 north of the Twin Cities is expected to

resume eventually but not at the torrid pace set before the Great Recession. Retail and service-related employment will follow population growth. Employment in central Minnesota is expected to expand 18 percent or about 52,000 jobs between 2010 and 2020. The region experienced 3 percent growth during the 2000-2010 periods. (Positively Minnesota.com)

Table 2-7
ECSWC Labor Force Projections: 1980 - 2025

		Labor Force				Growth
	1980	2000	2005	2025	1980 - 2005	2005 - 2025
Chisago County	9,784	18,045	28,390	45,170	190.0%	59.1%
Isanti County	8,341	16,413	22,580	34,700	171.0%	53.7%
Kanabec County	5,128	6,705	8,960	10,700	75.0%	19.4%
Mille Lacs County	8,575	13,184	14, 1 60	20,020	65.0%	41.4%
Pine County	7,087	11,561	14,650	17,820	107.0%	21.6%
5 - Counties	38,915	65,908	88,740	128,410	128.0%	44.7%

Source:

- 1. U.S. Department of Labor (1980 2000 Data)
- 2. Minnesota State Demographic Center (2005 2035 estimates)

During the most recent recession, unemployment in Minnesota soared leaving many families struggling to find suitable work. Further, growth in wages slowed, resulting in a gradual decline in the state's median household income. Although Minnesota's median household income (\$54,786 in 2010) remained above the national average of \$50,022, it has been declining over the last decade. Between 1999-2000 and 2009-2010, the state's median household income fell by \$10,000, after adjusting for inflation. (Minnesota Budget Bites.org)

Table 2-8
ECSWC Household Income Statistics - 2012

	Households	Persons per Household	Per Capita Income	Median Household Income	Persons Below Poverty Level
Chisago County	19,669	2.63	\$27,897	\$66,592	7.6%
Isanti County	13,768	2.72	\$25,519	\$58,775	8.1%
Kanabec County	6,346	2.53	\$21,580	\$46,323	13.1%
Mille Lacs County	10,457	2.44	\$22,146	\$46,363	14.0%
Pine County	11,967	2.32	\$21,679	\$44,291	14.8%
State of Minnesota	2,101,875	2.46	\$30,656	\$59,126	11.2%

Source: Quickfacts.Census.gov

E. Summary of Demographic, Geographic and Regional Constraints & Opportunities

- The member County Boards of Commissioners foresee few, if any major changes within the counties during the planning period but instead will work to improve existing landfill abatement programs.
- Total five-county population is projected to grow from 136,000 to 199,000 an increase of about 46 percent by 2025. All five counties are projected to rank in the top quarter of Minnesota counties in terms of population growth with four of our counties in the top ten.
- The median age within the five-county area is somewhat higher than the state median. The 2010 Census reported the over 65 age group to be over 16% of the counties populations.
- Employment in central Minnesota is expected to expand 18 percent or about 52,000 jobs between 2010 and 2020.
- Between 1999-2000 and 2009-2010, the state's median household income fell by \$10,000, after adjusting for inflation.

F. Solid Waste Generation

Mixed municipal solid waste (MSW) is garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate. MSW does not include auto hulks, street sweepings, incinerator ash, construction and demolition debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams. The following tables illustrate waste MSW disposal information from each of the five counties within the East Central Solid Waste Commission service area for the five-year period from 2008 to 2012.

Table 2-9
Chisago County Waste Generation, Recycling & Disposal 2008 - 2012

	2008		2009		2010		2011		2012		
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%	
Landfill	22,545	69%	21,960	68%	21,924	69%	24,804	71%	24,410	62%	
WTE	0	0%	0	0%	0	0%	0	0%	1,283	3%	
Recycling	8,648	26%	8,684	27%	8,356	26%	8,336	24%	11,810	30%	
On-Site	1,607	5%	1,514	5%	1,698	5%	1,774	5%	1,739	4%	
Total	32,800	100%	32,158	100%	31,978	100%	34,914	100%	39,242	100%	
Per Capita	3.5	0	3.3	5	3.2	25	3.5	50	3.8	88	
Population 51		30	52,6	52,608		53,887		54,622		55,357	

Source: MPCA SCORE Report

The years 2008 through 2010 are fairly similar in generation of recyclables and MSW. The MSW jumps about 3,000 tons in 2011 and then levels off at the higher number for 2012. The recyclables also take a 3,000 ton jump from the year 2011 to 2012. The most likely explanation for this upward spike late in this 5-year period lies in the economic downturn which started in December of 2007 and continued into a recession that ended approximately Jun 2009. This recession severely affected U.S. economic activity both for residential and business generated MSW and recycling. The years 2008 and 2009 were depressed; 2010 was a year in which individuals and businesses waited to see which way the economy was going. Economic activity finally started picking up in 2011 and continued into 2012.

The majority of the waste generated in Chisago County is from the residential sector. While the volume of waste generated increased over the five years, shown in Table 2-9, the percent going to landfill actually decreased. In 2012, estimates indicate that 70 percent of MSW was generated by Chisago County residents and 30 percent of MSW was generated by the Commercial /Industrial /Institutional sector. The large commercial waste generators include public institutions such as the Rush City prison complex, Hazelden medical facilities, and other institutional uses. Most of the industrial waste in Chisago County is generated by PlasTech Products and Halberg Marine.

Table 2-10
Isanti County Waste Generation, Recycling & Disposal 2008 - 2012

	200)8	200)9	201	10	201	l 1	201	L2
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Landfill	21,132	61%	21,639	62%	23,919	64%	23,418	63%	23,904	61%
Recycling	11,038	32%	10,798	31%	11,369	30%	12,334	33%	14,618	37%
On-Site	2,244	7%	2,246	6%	2,192	6%	1,384	4%	939	2%
Total	34,414	100%	34,683	100%	37,480	100%	37,136	100%	39,461	100%
Per Capita	5.1	.6	5.1	.1	5.4	13	5.3	1	5.5	7
Population	36,5	10	37,1	.63	37,8	316	38,3	21	38,8	26

Source: MPCA SCORE Report

As shown in Table 2-10, Isanti County residents have a high per capita MSW generation rate, coupled with the continual increase in population, resulting in a generated tonnage comparable to Chisago County (Table 2-9). Yet, due to aggressive recycling efforts, the volume of MSW going to landfill is remains 61% in 2012 as it was five years earlier. The majority of the waste generated in Isanti County is from the residential sector. In 2012, it was estimated that 75 percent of MSW was generated by Isanti County residents and 25 percent of MSW was generated by the Commercial /Industrial /Institutional sector. The large commercial waste generators include public institutions such as the School District facilities, the Allina medical facilities, and other institutional uses.

Table 2-11
Kanabec County Waste Generation, Recycling & Disposal 2008 - 2012

	200	08	200)9	201	LO	203	l1	201	L2
	Tons	%	Tons	%	Tons	%	Tons	%_	Tons	%
Landfill	7,488	7 2 %	7,498	74%	7,674	76%	7,452	72%	7,249	72%
Recycling	2,513	24%	2,367	23%	1,988	20%	2,522	24%	2,365	24%
On-Site	363	4%	277	3%	403	4%	408	4%	428	4%
Total	10,364	100%	10,142	100%	10,065	100%	10,382	100%	10,042	100%
Per Capita	3.5	i5	3.4	5	3.4	10	3.4	8	3.3	34
Population	15,9	90	16,1	.15	16,2	39	16,3	65	16,4	92

Source: MPCA SCORE Report

Table 2-11 above shows the breakdown of tons from waste generated in Kanabec County for 2008 through 2012 indicating static MSW volumes and recycling rates due to minimal population growth. Most of the waste generated in Kanabec County is delivered by commercial haulers to ECSWC. The solid waste stream

in Kanabec County consists almost entirely of household and commercial institutional waste, about 25% commercial /industrial /institutional and 75% residential. The large commercial waste generators include public institutions such as the School District facilities and the First Light medical facilities.

Table 2-12
Mille Lacs County Waste Generation, Recycling & Disposal 2008 - 2012

						-	-			
	200	08	200	9	203	10	201	L 1	201	L2
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Landfill	13,484	79%	16,469	85%	11,160	7 7%	15,482	82%	14,927	81%
Recycling	1,386	8%	1,093	6%	2,056	14%	1,783	9%	1,695	9%
On-Site	2,135	13%	1,714	9%	1,297	9%	1,700	9%	1,705	9%
Total	17,005	100%	19,276	100%	14,513	100%	18,965	100%	18,327	100%
Per Capita	3.6	54	4.1	.1	3.0)4	3.9)4	3.7	<u>'5</u>
Population	25,3	344	25,7	20	26,0	97	26,3	82	26,6	67

Source: MPCA SCORE Report

Table 2-12 above shows erratic fluctuations in Mille Lacs County reporting, appearing that 2009 is possibly overstated and 2010 possibly understated. However, the overall change in MSW volume generation and population growth from 2008 to 2012 is minimal. The solid waste stream in Mille Lacs County consists 65% household and 35% commercial /industrial / institutional waste. The large commercial waste generators include:

- Institutional School District facilities, Fairview and Mille Lacs Health System medical facilities
- Industrial Woodcraft and Plastic Products
- Commercial Grand Casino Mille Lacs

Table 2-13
Pine County Waste Generation, Recycling & Disposal 2008 - 2012

	200	08	200)9	203	10	201	l1	201	L 2
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Landfill	18,166	74%	17,176	67%	16,891	65%	16,536	66%	16,536	52%
Recycling	4,152	17%	6,299	24%	6,612	25%	6,299	25%	13,184	41%
On-Site	2,124	9%	2,339	9%	2,429	9%	2,334	9%	2,384	7%
Total	24,442	100%	25,814	100%	25,932	100%	25,169	100%	32,104	100%
Per Capita	4.6	60	4.8	31	4.7	' 8	4.5	57	5.7	'5
Population	29,1	.06	29,4	28	29,7	' 50	30,1	.75	30,5	99

Source: MPCA SCORE Report

Table 2-13 above shows over the five year period 2008 – 2012, while the population growth has been minimal the per capita waste generation has increased over time resulting in Pine County MSW volume increase. However, in that time period, increasing recycling rates caused decreases in MSW going to landfill. Pine County estimates 73% MSW is residential with 27% commercial /industrial /institutional. The large commercial waste generators include public institutions such as the State prison complex, Casino Hinckley, and School districts.

Table 2-14
Major Solid Waste Generators

Company	Types of Waste Generated		
Chisago County			
PlasTech - Rush City	Paper, Plastic, Cardboard		
Plastic Products - Lindstrom	Paper, Plastic, Cardboard		
Hazelden - Center City	Paper, Plastics, Cardboard, Food & Medica		
Rush City Prison - Rush City	Paper, Plastics, Cardboard, Food waste		
Halberg Marine - Wyoming	Cardboard, Plastics		
Isanti County	•		
Walmart & Cub - Cambridge	Cardboard, Plastic, Food waste		
School Districts - Cambridge, Isanti, Braham	Paper, Cardboard, Food waste		
Menards & Fleet Farm - Cambridge	Cardboard, Plastics		
Target & Kohl's - Cambridge	Cardboard, Plastics		
County Facilities - Cambridge	Cardboard, Plastics, Paper		
Kanabec County			
Engineered Polymers - Mora	Cardboard, Plastics		
Coborn's - Mora	Cardboard, Plastic, Food waste		
School Districts - Mora & Ogilvie	Paper, Cardboard, Food waste		
Hospital/Clinic - Mora	Paper, Plastic, Food & Medical waste		
Shopko - Mora	Cardboard, Plastic		
County Facilities - Mora	Cardboard, Plastic, Paper		
Mille Lacs County			
Woodcraft - Foreston	Packaging & Wood Scraps		
Grand Casino Mille Lacs	Cardboard, Paper, Food, Plastic		
School Districts - Milaca, Princeton, Onamia	Paper, Cardboard, Plastic, Food Waste		
Plastic Products - Princeton	Plastic, Cardboard, Metal		
Nursing Care Facilities - Milaca & Princeton	Cardboard, Food, Paper, Plastic, Cloth		
Walmart - Princeton	Cardboard, Plastic		
County Facilities - Milaca	Cardboard, Plastic		
Pine County			
Grand Casino Hinckley	Cardboard, Paper, Food, Plastic		
State Prison - Sandstone	Cardboard, Paper, Food, Plastic		
Pine City Schools	Cardboard, Paper, Food, Plastic		
Walmart - Pine City	Cardboard, Plastics, Paper		

G. Solid Waste Composition

The solid waste stream in the ECSWC service area consists almost entirely of household and commercial waste. Limited industrial waste is part of the local waste stream. It is estimated that 74% of MSW generated within the ECSWC region is from residential sources and 26% is from commercial or industrial sources. SCORE reports show a reduction of on-site disposal for the counties with reports showing 4-9% on-site disposal.

The mix of employment can impact the quantities of waste generated as well as the composition of the waste. Manufacturing operations typically generate greater amounts of waste per employee but recycling can often be higher at manufacturing plants due to reuse of scrap materials generated by converting raw materials into finished products. In general, continued growth in employment will likely lead to greater quantities of waste that must be managed by the ECSWC system.

The ECSWC region has not conducted a waste generation or characterization study to determine precisely the types and quantities of wastes generated. Accordingly, the region has assumed its waste generation to be typical of the national generation rates and other rural areas of the State as noted in the MPCA Waste Composition Study completed in 2013.

H. Solid Waste Collection

Residents and businesses are allowed to self-haul MSW to the East Central Solid Waste Commission Facilities. They consist of:

East Central Solid Waste Commission Transfer Station (SW-400)	Hwy. 95 Cambridge, MN	(763) 689-4056
East Central Solid Waste Commissioner Transfer Station (SW-401)	Hwy 61 Hinckley, MN	(320) 384-6596
East Central Solid Waste Commission Sanitary Landfill $(SW-17)$	1756 180th Ave. Mora, MN	(320) 679-4930

Commercial haulers provide solid waste collection; that is any person who owns, operates, or leases vehicles for hire for the purpose of collection and/or transportation of any type of waste.

All five counties require solid waste collectors to have a Solid Waste Collection & Transportation License. There is no mandatory collection within the counties. All the counties require licensees to impose charges for collection of mixed municipal solid waste that increase with the volume or weight of the waste collected. Haulers are not required to submit a rate schedule to the county as a condition of annual licensure. They are required to report the weight or volume of material collected within the county as a condition of annual licensure.

Commercial haulers may be required to be licensed by the cities in which they are doing business. There may be additional fees and requirements for this licensure.

Many of the 5 counties' licensed haulers have a Solid Waste Delivery Agreement with the East Central Solid Waste Commission. The current agreement is in effect through December 31, 2014. And most haulers have signed the new agreement which will be in effect from January 1, 2015 through December 31, 2018.

In the agreement the hauler agrees to deliver to the ECSWC all "acceptable waste" that the hauler collects within the boundaries of the ECSWC region. Meaning all solid waste and mixed municipal solid waste generated by households, commercial business or industries, including garbage and rubbish, except unacceptable waste as defined by landfill permit SW-17 and hard to handle waste. All waste haulers who enter into ECSWC Solid Waste Delivery Agreement must be in compliance with all applicable local, state, and federal laws.

The following tables list waste haulers who support the ECSWC solid waste system and each county's licensed commercial waste haulers. Haulers that are licensed in a county but not under contract with ECSWC may be hauling to landfills or transfer stations that are not part of the ECSWC system.

Table 2-11 ECSWC Contract Haulers - 2015

Business Name	Address	Customer Type
Chisago Lakes Sanitation	9747 Stacy Trail, Chisago City, MN 55013	Commercial
Croix Valley Pick- up	9850-292nd Street, Chisago City, MN 55013	Residential
Curt's Roll-Off	17951 Meadow View Lane, Pine City, MN 55063	Residential/Commercial
Donna Tourville	39310 Mulling Road, Askov, MN 55704	Residential/Commercial
East Central Sanitation	P.O. Box 671, Cambridge, MN 55008	Residential/Commercial
Garrison Disposal	PO Box 308, Aitkin, MN 56435	Residential/Commercial
Ron's Roll-offs	516 Barry Avenue, Hinckley, MN 55037	Residential/Commercial
Holdt's Disposal	PO Box 26, Luck, WI 54853	Residential/Commercial
E-Z Disposal	13417 150 th Avenue, Foreston, MN 56330	Residential/Commercial
Matt's Sanitation	P.O. Box 422, Hinckley, MN 55037	Residential/Commercial
Mike's Sanitation	P.O. Box 287, Barnum, MN 55707	Residential/Commercial
Monson's Rapid Roll-off	1472 210 th Avenue, Ogilvie, MN 56358	Residential/Commercial
Nitti Rolloff Services	PO Box 490726, Blaine, MN 55449	Residential/Commercial
Quality Disposal Service	211 East George Street, Ogilvie, MN 56358	Residential/Commercial
SRC	Box 564, Wyoming, MN S5092	Residential/Commercial
Terry's Disposal	41390 Harder Avenue, Harris, MN 55032	Residential/Commercial
Tri Township Disposal District	59893 Tamarack River Road, Sandstone, MN 55072	Residential/Commercial
Wayne's Sanitation	4657 380 th Street, Wahkon, MN 56386	Residential/Commercial

Table 2-16
Chisago County Licensed Haulers - 2015

Business Name	Address	Customer Type
Waste Connections	6601 McKinley Street, Ramsey, MN 55063	Residential/Commercial
Chisago Lakes Sanitation	Box 365, 9689 Stacy Trail, Chisago City, MN 55013	Commercial
Croix Valley Pick- up	Box 424, 9850 292nd 5treet, Chisago City, MN 55013	Residential
East Central Sanitation	P.O. Box 671, Cambridge, MN 55008	Residential/Commercial
LePage & Sons	23602 University Avenue NW, Bethel, MN 55005	Residential/Commercial
SRC Incorporate	P.O. Box 564, 6320 East Viking Blvd., Wyoming, MN 55092	Residential/Commercial
Shafer Roll-Offs	30215 Redwing Avenue, Shafer, MN 55074	Residential/Commercial
Terry's Disposal	41376 Harder Avenue, Harris, MN 55032	Residential/Commercial
Waste Management	P.O. Box 309, Osceola, WI 54020	Residential/Commercial
Veit	14000 Veit Place, Rogers, MN 55374	Commercial

Table 2-17 Isanti County Licensed Haulers - 2015

Business Name	Address	Customer Type
East Central Sanitation	P.O. Box 671, Cambridge, MN 55008	Residential/Commercial
SRC Incorporate	P.O. Box 564, 6320 East Viking Blvd., Wyoming, MN 55092	Residential/Commercial
Jim's Mille Lacs Disposal	205 2nd Avenue NE, Milaca, MN 56353	Residential/Commercial
LePage & Sons	23602 University Avenue NW, Bethel, MN 55005	Residential/Commercial
Waste Connections	6601 McKinley Street, Ramsey, MN 55063	Residential/Commercial
National Recycling	1505 11th Avenue N, Cambridge, MN 55008	Residential/Commercial
All City Container	25376 Xkimo Street NW, Isanti, MN 55040	Residential/Commercial

Table 2-18
Kanabec County Licensed Haulers - 2015

Business Name	Address	Customer Type
East Central Sanitation	P.O. Box 671, Cambridge, MN 55008	Residential/Commercial
Jim's Mille Lacs Disposal	205 2nd Avenue NE, Milaca, MN 56353	Residential/Commercial
Quality Disposal Service	211 East George Street, Ogilvie, MN 56358	Residential/Commercial
Ron's Roll-off Service	516 Barry Avenue, Hinckley, MN 55037	Residential/Commercial
Wayne's Sanitation	4657 380 th Street, Wahkon, MN 56386	Residential/Commercial
Mille Lacs Band of Ojibwe	43408 Oodena Drive, Onamia, MN 56359	Residential/Commercial
J n J Recycling Center	2208 Hwy 65, Mora, MN 55051	Residential/Commercial

Table 2-19
Mille Lacs County Licensed Haulers - 2015

Business Name	Address	Customer Type
Waste Connections	6601 McKinley Street, Ramsey, MN 55063	Residential/Commercial
East Central Sanitation	P.O. Box 671, Camridge, MN 55008	Residential/Commercial
E-Z Disposal	13417 150th Avenue, Foreston, MN 56330	Residential/Commercial
Allied Waste Services	700 40th Avenue NE, Sauk Rapids, MN 56379	Residential/Commercial
Garrison Disposal	36091 400th Avenue, Aitkin, MN 56431	Residential/Commercial
Jim's Mille Lacs Disposal	205 2nd Avenue NE, Milaca, MN 56353	Residential/Commercial
Mille Lacs Band of Ojibwe	43408 Oodena Drive, Onamia, MN 56359	Residential/Commercial
Monson's Rapid Roll-off Service	1472 410th Avenue, Ogilvie, MN 56358	Residential/Commercial
Nitti Rolloff Services	PO Box 490726, Blaine, MN 55449	Residential/Commercial
Quality Disposal Service	211 East George Street, Ogilvie, MN 56358	Residential/Commercial

Steinbrecher Co	13792 247th Avenue NW, Zimmerman, MN 55398	Residential/Commercial
Viet Container Corp	14000 Viet Place, Rogers, MN 55374	Residential/Commercial
Wayne's Sanitation	4657 380th Street, Wahkon, MN 56386	Residential/Commercial

Table 2-20 Pine County Licensed Haulers - 2015

Business Name	Address	Customer Type
Curt's Roll-Off	17951 Meadow View Lane, Pine City, MN 55063	Residential/Commercial
Donna Tourville	39310 Mulling Road, Askov, MN 55704	Residential/Commercial
East Central Sanitation	P.O. Box 671, Cambridge, MN 55008	Residential/Commercial
Matt's Sanitation	P.O. Box 422, Hinckley, MN 55037	Residential/Commercial
Mike's Sanitation	P.O. Box 287, Barnum, MN 55707	Residential/Commercial
Mille Lacs Band of Ojibwe	43408 Oodena Drive, Onamia, MN 56359	Residential/Commercial
Nordstrom's 5anitation	P.O. Box 72, 4867 Hwy 73, Moose Lake, MN 5S767	Residential/Commercial
PHASE Recycling	106 Main Street, Sandstone, MN 55072	Residential/Commercial
Ron's Roll-off Service	516 Barry Avenue, Hinckley, MN 55037	Residential/Commercial
Tri Township Disposal District	59893 Tamarack River Road, Sandstone, MN 55072	Residential/Commercial

Table 2-21
ECSWC 2015 Tipping Fees

Material	Rate	Unit
(SF) Scale Fee - Resident	\$15.00	each
(SF) Scale Fee – Non-Resident	\$20.00	each
Mixed Solid	d Waste	
Resident/Private Customer/Business	\$57.57 + SF	Ton
Non-Contract Commercial Hauler	\$57.57	Ton
Uncovered Loads - Commercial	\$25.00	per load
Uncovered Loads - Residential	\$10.00	per load
Demolition Lan	dfill at Mora	·
By the Yard	\$10.00	yard
Appliar	nces	
Ammonia/Gas Operated Refrigeration	\$75.00	each
Appliances	\$10.00	each
Electro	nics	
Cell phones/cords/cabling/mice/keyboard	N/C	each
Commercial Copiers/Large T.V.'s	\$30.00	each
Other Electronics (VCR, DVD, Stereo, etc.)	\$3.00	each
TV's/ Computer Monitors	\$10.00	each
Tire	s	
Tires, Auto (17" or less)	\$3.00	each
Tires, Small RV	\$1.00	éach
Tires, Tractor or greater than 22"	\$40.00	each
Tires, Truck (18" to 22")	\$15.00	each
Box Springs/N	Mattresses	
Box Springs/Mattresses - recycled	\$11.00	each
Box Springs/Mattresses – not recycled	\$15.00	each
Carp	et	
Carpet – recycled	\$10.00	Yard
Miscella	neous	
Contaminated Soil for ADC (Mora only)	\$30.00	per ton
Asbestos-Mora only (Min. = \$38.50)	\$75.00	per ton
Brush Pickup/2 Wheels/Cambridge only	\$5.00	load
Brush – Pickup/4 Wheels/Cambridge only	\$10.00	load
Brush – Commercial	\$3.00	yard

I. Constraints & Opportunities to Existing & Proposed Integrated Solid Waste Systems Chisago County

Constraints: Chisago County has no "big box" stores or major salvage operations within its borders; they are all just across county or state lines in surrounding communities. That leaves many smaller businesses scattered across the county to contact for recycling information which takes a lot of effort for not a lot on tonnage.

Opportunities: Connecting with small local businesses in different sectors in order to get solid numbers on what they are recycling, offers opportunities to talk to them about what they are or are not doing, and how they can improve waste reduction, reduce their disposal costs, and green up their business image.

The industrial businesses in the county are generally located in city owned industrial parks, there may be opportunities to work together within parks to pool certain waste streams in order to make recycling more economical, such as shrink wrap or pallets, etc.

Isanti County

Constraints: Isanti along with many of the other counties were hit by foreclosures.

Opportunities: Isanti has large recyclers in our county and most of our waste is hauled by one waste hauler allowing us to get accurate numbers. The City of Cambridge has grown with the inclusion of large stores such as Walmart, Kohl's, Cub, Fleet Farm, and Menards.

Kanabec County

Constraints: Kanabec County has no curb side recycling in the rural areas. There are no large businesses in the County. Foreclosure rates have been high over the last years and many homes remain empty. MSW Haulers complain of high cost of transporting recyclables to market.

Opportunities: There is room to grow. Arthur Township is provided money through a host fee and uses a portion of their funds for the recycling facility. The East Central Landfill is located in Kanabec County allowing Kanabec to host HHW events and Clean-up/Recycling events at the landfill.

Mille Lacs County

There has been little growth due to the financial recession. The County has one of the highest foreclosure rates in the state resulting in significant reduction in recycling and solid waste tonnages.

Pine County

Constraints: Pine County is a very large geographical area, so even though we have services available within the county, they might not be in the readily available to every citizen. With the large area, services that are available sometimes are not known from one end of the county to the other. We also only have a .5 FTE staff allotted for solid waste; the programming could easily bloom into something larger with more staff time.

Opportunities: With technology, we are able to reach people with little to no cost to advertise services that are available or educate the public about solid waste topics. In the past, information was disseminated with expensive advertisements in the newspaper, whereas now we can just advertise on our website.

J. Solid Waste Planning History

East Central Minnesota began examining solid waste issues from a regional viewpoint in the late 1970's. The East Central Solid Waste Commission was formed in 1988 through a Joint Powers Agreement between the counties of Chisago, Isanti, Kanabec, Mille Lacs, and Pine which was entered into pursuant to Minn. Stat. 471.59, the Joint Powers Act.

A solid waste compost facility was to have been the primary facility serving the disposal needs of five member counties of the ECSWC, but operational problems such as odors, finished product quality (the finished compost contained PCBs, metals and waste residue) and waste supply problems (the facility had a tipping fee of \$87.00 per ton) caused the facility to close in 1994. In that year, a fire also occurred which further rendered the facility inoperable. Despite these setbacks, the Commission remained committed to processing of waste. Additional capital was invested by the counties and the State to redevelop the facility and a contract was signed with a new operator in 1997 to implement improvements at the facility. The new operator, however, was unable to re- start operations. Faced with continued cost overruns and start-up delays, the member counties terminated the agreement in 1999. The compost facility remains idle and the operational status of the modified equipment is uncertain. Since 1994, the disposal needs of the ECSWC members have been met through the transfer stations and the municipal solid waste landfill.

Planning continued through the latest Regional Solid Waste Management Plan Update of 2006. The planning history through 2006 of each member county is on file in the respective Environmental Services Office of the county's courthouse.

On December 15, 2003, the ECSWC Board adopted a Strategic Business Plan that was developed through a process that began in March 2002. The Strategic Business Plan was based on extensive research and analysis into waste generation trends and market conditions in east central Minnesota, a review of the status of existing ECSWC solid waste management facilities, and an economic evaluation of future strategic alternatives. The 2006 SWM Plan reflected the input of the various stakeholders and the consensus reached by the Stakeholders Task Force. The 2006 SWM Plan provided direction to the five counties to fulfill the State mandate that counties plan for the management of municipal solid waste generated within their borders.

The current MPCA permit divides the Landfill into MSW phases, identified as Phase 1 through 6C with the current phase being 6B/C. A C& D Landfill is located on the outside of the MSW landfill.

An ultimate development plan has been developed for the MSW Landfill, consisting of expansion through Phase 9.

Chapter 3: Existing & Integrated Solid Waste Management Systems

A. Introduction

State Policy

Minnesota Statutes, Chapters 115A and 400 authorize counties to provide for management of solid waste and requires counties to develop solid waste management plans. Minnesota Rules, Chapter 9215 specifically, outlines the required content of a solid waste management plan. The ECSWC has unique solid waste planning authority as a joint powers commission as provided in Minnesota. Statutes, Chapter 458D which defines plan contents and requirements.

Minnesota Statute 115A.02 provides the legislative declaration of policy and purposes of the Waste Management Act:

- (a) It's the goal of this chapter to protect the state's land, air, water and other natural resources and the public health by improving waste management in the state to serve the following purposes:
 - 1. Reduction in the amount and toxicity of waste generated;
 - 2. Separation and recovery of materials and energy from waste;
 - 3. Reduction in indiscriminate dependence on disposal of waste;
 - 4. Coordination of solid waste management among political subdivisions;
 - 5. Orderly and deliberate development and financial security of waste facilities including disposal facilities.
- (b) The waste management goal of the state is to foster an integrated waste management system in a manner appropriate to the characteristics of the waste stream and thereby protect the state's land, air, water and other natural resources and the public health. The following waste management practices are in order of preference:
 - 1. Waste reduction and reuse;
 - 2. Waste recycling;
 - 3. Composting of yard waste and food waste;
 - Resource recovery through mixed municipal solid waste composting or incineration;
 - Land disposal producing no measurable methane gas or involving the retrieval of methane gas as a fuel for production of energy to be used onsite or for sale; and
 - Land disposal, which produces measurable methane and which does not involve the retrieval of methane gas as a fuel for the production of energy to be used on-site or for sale.

B. Commission Policy and Goals

Long term, the goal is still to direct all waste generated in the 5 counties to the ECSWC system. Legal considerations regarding flow control, as well as market conditions will affect waste delivery. However, the member counties understand their responsibility to effectively manage waste according to State of Minnesota standards and policies, regardless of legal interpretations or market conditions. Both

of which can and do change from time to time. The ECSWC along with the 5 counties by consensus have decided to follow the recommendations of the Strategic Business Plan, adopted in 2003. The Strategic Business Plan recommended that the Commission adopt the consensus position of the Stakeholders Task Force to extend the Joint Powers Agreement beyond 2007 and pursue implementation of the landfill expansion alternative.

C. Chronology of Recent Events (1999 to Present)

1999 - ECSWC ended Operations Contract with Micro Life USA

2000 – ECSWC distributed RFQ's for ideas for use of the existing composting facility.

2002 – ECSWC began looking at allowing BMSI (Briquetting Marketing and Services, Inc.) to do a pilot project in the composting facility.

2003 – ECSWC was granted forgiveness from the State on grants received to construct the compost facility.

2003 – ECSWC refinanced bonds as taxable bonds to allow more flexibility in use of the facility at a substantial savings in interest.

2003 - ECSWC completed a Strategic Business Plan detailing their recommended future

2004 - Joint Powers extended

2004 – Landfill permit

2006 – Regional Solid Waste Management 10 year Plan approved.

2007 - Taxable bonds paid.

2010 - Environmental Review and Landfill Permit, Air Permit

2011 - Southern Municipal Power Agency installed an engine to use landfill gas to create electricity

2015 – Permitting for Phase 6B/C of the MSW landfill and landfill construction.

A Solid Waste Delivery Agreement was signed with commercial haulers that haul within the five counties. The original agreement was signed in March of 1996 with extensions in 1999 and 2000. In 2001, the Agreement was re-written as a five-year agreement that offered a reduced cost of disposal to Contract Haulers. In 2003, the five-year agreement was amended to have an end-date that coincided with the end of the original Joint Powers Agreement — December 31, 2007. This Solid Waste Delivery Agreement is used to assure that the commercial hauler delivers to Commission Facilities, all acceptable waste it collects within the boundaries of the Commission. The Commission in return will pay to the commercial hauler a rebate of \$14 per ton for all acceptable waste the hauler delivers to Commission Facilities. Any Hauler that fails to comply with the delivery terms will forfeit their right to any rebate payments earned but not paid as of the date notice is provided to the hauler that the hauler is in default of the Agreement. The current Solid Waste Delivery Agreement continues through December 31, 2018.

D. Existing Solid Waste Collection and Disposal System

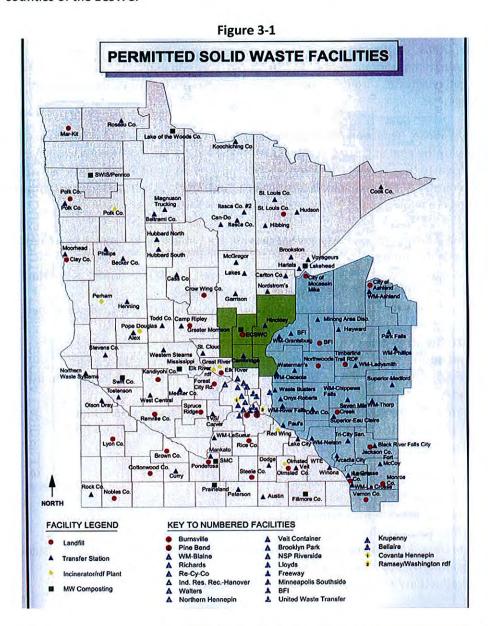
East Central Solid Waste Commission owns the following three facilities:

Mora Landfill: Minnesota Highway 23 & County Road 60, 1756 180th Ave., Mora MN 55051

Cambridge Transfer Station: South side of Highway 95, 4194 Highway 95 NE, Cambridge MN 55008

Hinckley Transfer Station: Highway 61, ½ mile east of I-25 Fire # 339198 County Hwy 61, Hinckley MN 55037

There are several other facilities detailed in the map Figure 3-1 that may receive waste from the member counties of the ECSWC.



E. Waste Abatement Policies & Programs

1. Solid Waste Reduction

Policies and Goals:

The goal of the member counties of ECSWC is to meet or exceed the state mandated waste reduction targets along with continuing to provide waste education and source reduction programs to all residents, businesses, and institutions within its jurisdiction.

The hierarchy of waste management as promulgated by the United States Environmental Protection Agency (US EPA), and adopted by the State of Minnesota, must be communicated to every person and activity that potentially can create waste. In addition, the logic of the hierarchy needs to be articulated in a manner that makes implementation convenient and effective.

Chisago County

Policies and Goals: The Chisago County Board of Commissioners and county residents regard waste reduction as a primary component of the integrated waste management system. This is evident to residents and businesses through a volume based pricing effort required by the Chisago County Solid Waste Ordinance.

Existing Solid Waste Reduction Practices: Residential waste reduction is achieved through education programs with the goal of getting residents to change their purchasing behavior and reduce the amount of waste they create. Education is a critical component of waste reduction. The education program utilizes a general media campaign, with newspaper advertising, brochures, and presentations to public groups.

Chisago County Environmental Services has provided the following assistance to residents, businesses and institutions:

- ✓ The Chisago County Materials Exchange was initiated in 2000 for residents to list (or find) useable items rather than disposing (or buying new)
- ✓ Conducted a waste audit or waste survey of at least three county facilities within the past three years
- ✓ Designated staff to deliver ongoing source reduction technical assistance
- ✓ Surveyed businesses regarding source reduction within the past three years
- ✓ Distributed source reduction brochures, flyers and posters to many county businesses
- ✓ Distributed source reduction brochures, flyers and posters to county residents
- Distributed (and advertised) source reduction actions to reduce household hazardous waste.

Specific Programs to be developed in the next 10 years:

- Continue funding the materials exchange
- Continue operation of the permanent household hazardous waste facility and product reuse program
- Promote the Minnesota Waste Wise program and the Minnesota Technical Assistance
 Program (MNTAP) to local businesses
- · Waste reduction / recycling grants to local businesses

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056

Telephone 651-213-8920 www.chisagocounty.us

Estimated Pragram Budget: \$55,000

Schedule of Implementation: Over the ten year planning period, the County plans to maintain existing programs and budget.

Isanti County

Policies and Goals: The Isanti County Board of Commissioners and county residents regard waste reduction as a primary component of the integrated waste management system. This is evident to residents and businesses through a volume based pricing effort encouraged by County staff and hauler fees.

Existing Solid Waste Reduction Practices: Residential waste reduction is achieved through education programs with the goal of getting residents to reduce the amount of waste they create and to properly manage their waste. Waste reduction is directly impacted by education. The education program utilizes a general media campaign, with newspaper advertising, brochures, and presentations to public groups. The County's Solid Waste staff encourages all departments to purchase recycled content material whenever possible.

The Isanti Zoning and Solid Waste Department provided the following assistance to resident, businesses and institutions:

- ✓ Hosted training and workshops
- ✓ Provided department supervisors with <u>Source Reduction</u> video for county staff

Specific Programs to be developed:

- Conduct a business survey
- Continue to attend CISRR meetings
- Promote a buy recycled program
- Continue to support existing programs

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Pragram Budget: \$5,000

Schedule of Implementation: The County plans to continue with existing programs and budget throughout the ten-year planning period.

Kanabec County

Policies and Goals: It is the goal and policy of the Commissioners to maintain this program in the

most cost efficient manner possible and in a way consistent with Minnesota Statute and Rules. Waste reduction is at the top of the waste management hierarchy.

The county procures post-consumer recycled-content paper products such as notepads, tissue, etc., recycled-content building and landscaping products, recycled-content office & janitorial products such as recycling bins and trash liners, tire-derived paving materials and recycles anti-freeze.

Existing Programs: Residential waste reduction is achieved through education programs with the goal of getting residents to reduce the amount of waste they create and to properly manage their waste. Waste reduction is directly impacted by education. The education program utilizes a general media campaign, with newspaper advertising, brochures, and presentations to public groups.

The Kanabec County Environmental Services office provides the following assistance to residents, businesses and institutions:

✓ Has developed website that features many of the flyers and provides information on programs to the general public

Specific Programs to be developed:

- Kanabec County participates in the Adopt a Highway program
- Kanabec County will continue to have booths at the Kanabec Area Home Show and the Kanabec County Fair to encourage recycling and source reduction.
- County will continue to host the annual County Clean-up Day along with the 4H Clubs.
- Will redistribute educational materials on source reduction to county staff.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$1,000

Schedule of Implementation: Existing programs and budget will continue throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: It is the goal and policy of the Commissioners to maintain this program in the most cost efficient manner possible and in a way consistent with Minnesota Statute and Rules. Waste reduction is at the top of the waste management hierarchy.

One of the most effective economic incentives to encourage waste reduction is volume based pricing. Volume based pricing means that the cost of collection and disposal of waste increases as the volume of waste collected and disposed increases. Haulers are required to offer volume based pricing.

Existing Solid Waste Reduction Practices:

- ✓ Summer interns at county fair distributing information 2012 & 2013
- ✓ School / 4H presentations by summer interns 2012 & 2013

Specific Programs to be developed:

- Develop a procurement policy regarding the purchase of materials with a long life, materials with recycled content, energy saving devices or materials, etc. Recycled materials will normally be specified in the process when putting out a bid. County offices will be required to use post-consumer recycled content copier paper, letterhead and stationary, other paper products, building or landscaping products and janitorial products.
- Distribute and provide technical assistance with "What a Waste" curriculum
- Promote materials exchange
- Develop waste reduction education programs for presentation to schools
- Continue to support the existing programs throughout the ten-year planning period.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN S6353 Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Pragram Budget: \$7,500

Schedule of Implementation: County Solid Waste staff will research and present to the County Board of Commissioners an implementation schedule for a county-wide source reduction education program and upgrade the progress through the planning period.

Pine County

Palicies and Goals: It is the goal and policy of the Commissioners to maintain this program in the most cost efficient manner possible and in a way consistent with Minnesota Statute and Rules. Waste reduction is at the top of the waste management hierarchy.

One of the most effective economic incentives to encourage waste reduction is volume based pricing. Volume based pricing means that the cost of collection and disposal of waste increases as the volume of waste collected and disposed increases. Haulers are required to offer volume based pricing.

The County encourages post-consumer recycled-content paper products such as notepads, tissue, etc., recycled-content building and landscaping products, recycled-content office/janitorial products such as recycling bins and trash liners, tire-derived paving materials and recycles anti-freeze.

Existing Solid Waste Reduction Practices:

✓ Residential waste reduction is achieved through education programs with the goal of getting residents to reduce the amount of waste they create and to properly manage their waste. Waste reduction is directly impacted by education. The education program utilizes a general media campaign with newspaper advertising, brochures, telephone assistance and education and presentations to public groups as requested. Specific Programs to be developed: Pine County will continue to investigate waste reduction efforts to include:

- Distribution of source reduction educational material to county staff
- Designate staff to provide telephone assistance with source reduction
- Distribute source reduction brochures and flyers to at least one percent of the County businesses
- Encourage businesses regarding source reduction by having them work with Pine Habilitation and Supported Employment (PHASE) directly.
- Distribute educational materials to residents
- Develop and advertised source reduction actions to reduce household hazardous waste

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$500

Schedule of Implementation: The County plans to continue with existing programs throughout the ten-year planning period. The County staff will continue to advise that a comprehensive solid waste management plan is necessary to provide direction to source reduction, education, recycling, and resource recovery for Pine County.

East Central Solid Waste Commission

East Central Solid Waste Commission will continue to provide support to the counties through education and advertising of various programs. ECSWC will continue to study and seek out new ventures to reduce the amount of solid waste through training provided to staff. ECSWC will continue to offer the ECSWC facilities for use for various programs and events that the counties may wish to hold for solid waste reduction activities.

ECSWC has made the decision that they will leave the responsibility of preparing educational materials to the Counties. ECSWC will distribute materials and host events at the three facilities.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle Trou

Janelle.Troupe@gmail.com

Estimated Program Budget: \$\$00

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

2. Solid Waste Education

Education is the key to successful source reduction and recycling programs. The ECSWC offers education through promotion and advertising of recycling programs. Each county individually offers education through their respective Environmental Services Offices. Education is considered the most significant activity for changing behavior and improving waste management alternatives. It is the policy of each of the individual County Board of Commissioners to ensure that communities are informed of existing solid waste programs.

Chisago County

Policies and Goals:

Education is considered the most significant activity for changing behavior and improving waste management alternatives. It is the policy of the County Board of Commissioners to ensure that all communities are informed of the solid waste programs.

Existing Solid Waste Education Programs:

- ✓ Repeated promotion and advertising, plus use of existing organizations have been the impetus for successful recycling. The County is using the following to provide waste education to residents and businesses:
- √ K-12 waste education for all schools within the county
- ✓ Burn barrel education program with brochures, video and table top display
- ✓ Public service announcement for newspapers on waste abatement programs at least once every three months
- ✓ Articles in local newspapers regarding problem materials and household hazardous waste
- ✓ Publish brochure on when, where and how to recycle within the county
- ✓ Provide brochures and fact sheets regarding household hazardous waste management and disposal
- ✓ Waste Source Reduction display at the Chisago County Government Center, Chisago Lakes Home Show, North Branch Community Connection Expo and Chisago County Fair.
- ✓ Waste management literature display located in the Chisago County Government Center and at the HHW Facility in North Branch
- ✓ Promotion of recycling by the independent waste haulers and recyclers licensed in Chisago County
- ✓ Provide information for participation in the Pesticide Container Collection Program
- ✓ Promote available waste disposal options with other organizations such as the Minnesota Technical Assistance Program, Minnesota Waste Wise, Department of Agriculture, the East Central Solid Waste Commission, and other local businesses.
- ✓ Distribute educational materials on source reduction to county staff
- ✓ Participate in annual Chisago County Water Festival for Fifth Graders in the county
- ✓ Designate staff to deliver ongoing source reduction technical assistance, including telephone assistance, to area residents and businesses.
- ✓ Publish "Environmental Connections" Newsletter semi-annually and send out to all residents by mail

- ✓ Distribute source reduction brochures, and posters to county residents and businesses
- ✓ Distribute and advertise source reduction ideas to reduce household hazardous waste
- Environmental education program for ECFE (Early Childhood Family Education) instructors and parents throughout Chisago County.

Specific Programs to be developed:

- Continue to support the existing education program
- Coordinate with the ECSWC to continue education on recycling opportunities for residents

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$24,000

Schedule of Implementation: County will continue to support the existing solid waste education programs throughout the ten-year planning period and maintain budget.

Isanti County

Policies and Goals: Education is considered the most significant activity for changing behavior and improving waste management alternatives. It is the policy of each of the County Board of Commissioners to ensure that communities are informed of the latest existing waste abatement programs.

Existing Solid Waste Education Programs: Repeated promotion and advertising, plus use of existing organizations have been the impetus for successful recycling. The county is using the following to provide waste education to residents and businesses:

- ✓ Provides the County Sheriff's Department with fact sheets and brochures about waste abatement for county fair week
- ✓ Designate staff to provide telephone assistance
- ✓ Support and promote annual township spring cleanup events
- ✓ County website is used to provide education to the public

Specific Programs to be developed:

- · Promote mercury education program for the health care industry
- Continue to support and expand the existing education program
- Continue to utilize website for education

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse S55 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us.

Estimated Program Budget: \$5,000

Schedule of Implementation: The County plans to continue with existing programs and budget throughout the ten-year planning period.

Kanabec County

Policies and Goals: Education is considered the most significant activity for changing behavior and improving waste management alternatives. It is the policy of each of the County Board of Commissioners to ensure that all communities are informed of the latest existing waste abatement programs. The goal and policy of the Commissioners is to maintain programs in the most cost efficient manner possible and in a manner consistent with Minnesota Statutes and Rules. Commissioners are committed to providing staff time and resources to insure that residents, businesses, schools and local units of government understand the State of Minnesota integrated waste management system and the hierarchy for waste disposal methods.

Existing Solid Waste Education Programs: Kanabec County publishes information about household hazardous waste collection events, waste reduction and recycling activities as needed. Repeated promotion, advertising, and leveraging the assistance of existing organizations helped to make recycling successful. The County is using the following to provide waste education to residents and businesses:

- ✓ Radio public service advertising for household hazardous waste collection events, recycling day and telephone advise
- ✓ Conduct county wide education programs, i.e. County Fair
- ✓ The County acts as an example for implementation of educational activities
- ✓ Continue outreach education for rural residents through University of Minnesota Extension Office with the 4H program and annual Clean-up Day.
- ✓ County Agriculture Inspector provides information for participation in the Department of Agriculture's Waste Pesticide collection program and Pesticide Container collection program and has a continuous contract with MDA.
- ✓ Coordinate with organizations such as the Minnesota Pollution Control Agency, Minnesota Technical Assistance Program, Minnesota Waste Wise, the Minnesota Rural Water Association, Department of Agriculture and local businesses to promote available waste disposal options
- ✓ County website is used to provide education to the public

Specific Programs to be developed:

- The county will increase public service announcements for all areas of the waste management program
- Coordinate with the University of Minnesota Extension Office to continue outreach education for rural residents through the 4H County Cleanup Day held annually in May.
- Continue to support the existing programs and utilize website for education.
- Distribute pamphlets detailing all new recycling opportunities in the area.
- Work on County Website to assure sharing of all recycling opportunities.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456 Arthur Township Contact: Arthur Township Clerk 1899 Frontage Road, Mora, MN 55051 Telephone 320-679-1347

Estimated Program Budget: \$1,434

Schedule of Implementation: The County plans to continue with existing programs and budget throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: Education is considered the most significant activity for changing behavior and improving waste management alternatives. It is the policy of the Commissioners to ensure that all communities are informed of the latest existing waste abatement programs. A high degree of emphasis will be placed on materials recovery and personal responsibility for alternate management of municipal solid waste. Education is the key to a successful source reduction and recycling program.

Existing Solid Waste Education Programs: Repeat promotion and advertising, plus use of existing organizations have been the impetus for successful waste education. The County is using the following to provide waste education to residents and businesses:

- ✓ Former Minnesota Office of Environmental Assistance (OEA's) "Source Reduction Now" video
- Provide businesses, institutions and residents with brochures and fact sheets about waste abatement programs
- ✓ Designate staff to provide telephone assistance
- Distribute waste education material to residents and businesses as requested
- ✓ Increased public service announcements for all areas of the waste management program
- ✓ Coordinate with the University of Minnesota Extension Office to continue outreach education for rural residents
- ✓ Provides information for participation in the Department of Agriculture's Waste Pesticide collection program and Pesticide Container collection program
- ✓ K-6 education program
- ✓ Distribute source reduction educational material to county staff
- ✓ Provide county staff with the OEA's "Source Reduction Now"
- ✓ Host training and workshops
- ✓ Distribute source reduction brochures and flyers to at least one percent of county businesses
- ✓ Distribute educational material to residents
- ✓ Develop and advertise source reduction actions to reduce household hazardous waste
- ✓ Actively promote and provide technical assistance for Minnesota Waste Wise
- ✓ Provide technical assistance with "What a Waste" curriculum
- ✓ Source Reduction video for county staff

Specific Programs to be developed: Distribute pamphlets detailing all new recycling opportunities in the area.

Responsible Persan:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.millelacs.mn.us

Estimated Program Budget: \$5,000

Pine County

Policies and Goals: Pine County considers education the most significant activity for changing behavior and improving waste management efficiency. It is the goal and policy of the County to maintain this program in the most cost efficient manner possible and in the manner consistent with Minnesota Statute and Rules. Education is the most significant activity for changing behavior and improving waste management alternatives. It is the policy of each of the County Board of Commissioners to ensure that all communities are informed of the latest existing waste abatement programs.

Existing Solid Waste Education Programs: The County provides the following assistance to residents, businesses and institutions:

- ✓ Has designated staff to provide telephone assistance for source reduction
- ✓ Distribute source reduction brochures, flyers and posters to county businesses and residents
- ✓ Has distributed and advertised source reduction actions to reduce household hazardous waste
- ✓ The County encourages use of post-consumer recycled content paper products
- ✓ Purchases recycled content janitorial products such as recycling bins and trash liners
- ✓ Educational materials on source reduction to county staff
- ✓ Designate staff to deliver ongoing source reduction technical assistance (i.e. telephone assistance and on-site advice of recycling and source reduction)
- ✓ Distribute source reduction brochures, flyers or posters to at least one percent of the county's businesses
- ✓ The County provides staff time and resources to insure that residents, businesses, schools and local units of government understand the State of Minnesota's integrated waste management system and the hierarchy for waste disposal methods. A high degree of emphasis will be placed on materials recovery and personal responsibility for alternate management of municipal solid waste.
- ✓ Pine County advertises waste abatement programs and other waste issues in the following newspapers: Askov American, the Hinckley News, Inc., The Pine County Courier, the Pine City Pioneer, the Star Gazette Publishing Company and the following shoppers: Starr Gazette/Evergreen and the Scotsman Publishing Company. The County Solid Waste Office publishes several articles annually in local newspapers advising of locations of recycling sheds, materials accepted, and procedures to follow.

Specific Programs to be developed: Promotion and advertising plus the cooperation of local organizations have been the key for successful recycling. The County will use the following to provide waste education to residents and businesses:

- Online availability of this Plan
- · Quarterly advertising new and existing programs in local newspapers and radio
- Advises that back yard burning is discouraged and encourages recycling, source reduction, household hazardous waste and proper management of solid waste
- The County acts as an example for implementation of educational activities
- Provides public access to waste abatement fact sheets and brochures.
- Publishes an article in the Bi-annual Soil and Water Conservation newsletter which is delivered to every property owner in the county
- Prepares and submits a public service announcement for collection of county household hazardous waste
- The County plans to continue its existing solid waste education program and implement changes consistent with any revisions resulting from the ongoing county solid waste planning and program evaluation.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$1,000

Schedule of Implementation: Implementation of the proposed programs and budgets will continue throughout the 10-year planning period.

East Central Solid Waste Commission

The East Central Solid Waste Commission will focus primarily on public education and institutional awareness. The integrated solid waste management system, in order to best serve homes and businesses, must be able to develop and explain best management practices which protect public health and the environment cost effectively. East Central serves as the regional manager when making application for various grants or opportunities such as Green Corps. ECSWC has received electronics recycling grant and burn barrel grants. In the 2012-2013 school years, ECSWC had a Green Corps member assigned to the area to assist with recycling in the schools. Maggie Barnick prepared a document, "Recycling in the Chisago Lakes School District" that is included as Appendix C.

Responsible Person:

Janelle Troupe, Executive Director PO Box 29 Mora MN 55051 320-679-4930 x 10 Janelle.Troupe@gmail.com

Estimated Program Budget: \$1,000

Schedule of Implementation: Implementation of the proposed programs and budgets will continue throughout the 10-year planning period.

3. Recycling Programs

Recycling programs provide opportunities for the generators in the five counties to reduce and reuse materials that would otherwise go into the landfill.

Chisago County

Policies and Goals: It is the policy of the Chisago County Commissioners to meet or exceed the state mandated recycling goals.

Existing Recycling Programs: The County participates in ECSWC mattress recycling program.

As a condition of licensure, all waste haulers operating in the county must offer residents curbside recycling for a minimum of 4 types of materials at least once per month. The following garbage haulers offer curbside recycling services in Chisago County.

Table 3-1

Ramsey, MN 55303	(763) 427-3110
Chisago City, MN 55013	(651) 257-6316
Chisago City, MN 55013	(651) 257-6316
Rush City, MN 55069	(320) 358-4078
Wyoming, MN 55069	(651) 462-5298
Harris, MN 55032	(651) 674-4053
Osceola, WI 54020	(888) 960-0008
	Chisago City, MN 55013 Chisago City, MN 55013 Rush City, MN 55069 Wyoming, MN 55069 Harris, MN 55032

The following Recycling Centers are also available in the County:

- ➤ SRC Recycling Center (651) 462-5298
- Chisago County Household Hazardous Waste Facility (651) 237-0912
- Recycling for Wildlife (651) 674-7268
- AAA Recycling (651) 238-0226
- > E Cycling Solutions (651) 815-0423
- Evergreen Recycling, LLC (320) 358-4266
- ➤ Cambridge and Hinckley Transfer Stations (763) 689-4056

Table 3-2
Chisago County Recycling Results 2008 - 2012

2008	2009	2010	2011	2012
4,626	3,715	5,016	4,401	7,717
2,836	3,462	2,151	2,835	2,981
1,186	1,543	1,189	1,100	1,112
8,648	8,720	8,356	8,336	11,810
26%	27%	26%	26%	30%
3%	3%	3%	3%	N/A
5%	5%	5%	5%	N/A
34%	35%	34%	32%	30%
	4,626 2,836 1,186 8,648 26% 3% 5%	4,626 3,715 2,836 3,462 1,186 1,543 8,648 8,720 26% 27% 3% 3% 5% 5%	4,626 3,715 5,016 2,836 3,462 2,151 1,186 1,543 1,189 8,648 8,720 8,356 26% 27% 26% 3% 3% 3% 5% 5% 5%	4,626 3,715 5,016 4,401 2,836 3,462 2,151 2,835 1,186 1,543 1,189 1,100 8,648 8,720 8,356 8,336 26% 27% 26% 26% 3% 3% 3% 3% 5% 5% 5% 5%

Source: MPCA SCORE Reports

Discussion of Recycling Rates: All recycling weights submitted for 5CORE reporting are documented by weight tickets received from Chisago County recyclers' end market receipts.

The County anticipates achieving its 35% recycling goal by 2017 and ultimately reaching a 40% recycling rate by the end of the planning period through the following actions:

Specific Programs to be developed:

- Expand existing programs as needed
- Identify businesses that are recycling but not reporting
- Assist business that could recycle but are currently not
- Look at "Resource Management" contracting with licensed haulers in order to increase recycling performance.
- Participate in the expansion of the ECSWC Carpet- Recycling Program in 2016.
- Continue to work with local haulers, recyclers, and other interested parties to facilitate development of local markets for recyclables.
- Implement an annual business/commercial/industrial survey to assure that all recycling is reported.

Responsible Person

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$52,000

Schedule of Implementation: Implementation of the proposed programs will begin in 2016 and budgets will continue throughout the 10-year planning period.

Isanti County

Policies and Goals: It is the policy of the Isanti County Commissioners to meet or exceed the state mandated recycling goals.

^{*}In 2012 Waste Reduction and Yard Waste credits were legislatively removed

Existing Recycling Programs: The County participates in ECSWC mattress recycling program.

As a condition of licensure beginning in 2005, all waste haulers operating in the county must offer residents and commercial customer's curbside recycling for a minimum of 4 types of materials at least on twice per month.

Table 3-3

Lind Recycling Center	1301 N. Cleveland Street	763-689-8497
	Cambridge, MN 55008	
East Central Sanitation	33368 Xylite 5treet NE	763-689-2171
	Cambridge, MN 55008	
East Central Solid Waste	Hwy 95 E	763-689-4056
Commission	Cambridge, MN 55008	
NRI	1505 11 th Av NE	651-407-0092
	Cambridge, MN 55008	

The following recycling facilities are privately owned and operated:

- > National Recycling Inc. (NRI) Recycling aluminum, brass, copper, steel and stainless steel
- ➤ Lind Recycling Center aluminum, tin, copper, brass
- > East Central Sanitation cardboard, office paper, computer paper, newsprint, glass, tin, aluminum, fluorescent lamps
- ➤ East Central Solid Waste Commission carpet, scrap metal, appliances, tires, mattresses, electronics

The following cities/townships in Isanti County offer spring clean-up events with opportunities for recycling: Athens, Springvale, Bradford, Stanford, Wyanett, Stanchfield and Spencer Brook. Isanti County subsidizes the cost of these cleanup events up to \$500 per township.

Table 3-4
Isanti County Recycling Results 2008 - 2012

	2008	2009	2010	2011	2012
Residential (tons)	3,529	3,461	3,675	3,564	5,925
Commercial (tons)	6,844	6,695	7,049	8,147	7,552
Problem Materials (tons)	665	642	645	623	1,141
Total	11,038	10,798	11,369	12,334	14,618
Percent MSW Recycled	32%	31%	30%	33%	37%
Waste Reduction Credit	3%	2%	2%	2%	N/A
Yard Waste Credit	5%	5%	5%	5%	N/A
Total Recycling Percent	40%	38%	37%	40%	37%

Source: MPCA SCORE Reports

Discussion of Recycling Rates: All recycling weights submitted for SCORE reporting are documented by weight tickets received from Isanti County recyclers' end market receipts.

^{*}In 2012 Waste Reduction and Yard Waste credits were legislatively removed

The County surpassed its 35% recycling goal and will ultimately achieve a 38% recycling goal by the end of the planning period. The recycling programs are currently on the webpage and will continually be updated with new programs and opportunities. The webpage also links to the MPCA webpage to include other available recycling opportunities.

Specific Programs to be developed:

- Continue to work with local haulers, recyclers, and other interested parties to facilitate development of local markets for recyclables.
- Implement an annual business/commercial/industrial survey to assure all recycling is reported and send it out annually in early January.
- Development of an annual newsletter that will be sent out along with the survey to businesses
 in January annually. ECSWC will accept the responsibility for developing the newsletter.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763.689.5165 www.co.isanti.mn.us

Estimated Progrom Budget: \$50,400

Schedule of Implementation: Implementation of the proposed programs will begin in 2016 and budgets will continue throughout the 10-year planning period.

Kanabec County

Policies and Goals: It is the goal and policy of the County to maintain this program in the most efficient manner possible and in a manner consistent with Minnesota Statute and Rules. The goal of the County's recycling program is to provide recycling opportunities to all residents and business owners in the County and to continue increasing the County's recycling rate each year.

Existing Recycling Programs: The County participates in ECSWC mattress recycling program.

Table 3-5

Arthur Township Recycling Facility	1899 Frontage Road Mora, MN 55051	(320) 679-1347
Quality Disposal Systems	225 East George Street Ogilvie, MN 56358	(320) 272-4692 or (800) 450-4692
J n J's Recycling	2208 Hwy 65 Mora, MN 55051	(320) 255-2267
ECSWC Landfill	1756-180 th Avenue Mora, MN 55051	(320) 679-4930

Arthur Township Recycling Facility, Mora – glass, aluminum, tin cans, paper, cardboard, plastic, florescent bulbs, oil, batteries.

Recycle Hours: Mon. 9 a.m. to noon, Wed. 9 a.m. to 5 p.m., Sat. 9 a.m. to noon Quality Disposal, Ogilvie – glass, aluminum, paper, cardboard, tin cans, plastic

Recycle Hours: Sat. 9 a.m. to 3 p.m., Tues. 11 a.m. to 4 p.m.

ECSWC Landfill accepts scrap metal, cardboard, mattresses, tires, appliances, batteries, carpet electronics for recycling Monday thru Friday 8:00 a.m. to 4:30 p.m. and Saturdays 8:00 a.m. to noon.

City of Mora requires all licensed haulers within the city limits to offer curbside recycling. It is not mandatory for Mora residents to recycle at the curb.

Table 3-6
Kanabec County Recycling Results 2008 - 2012

	2008	2009	2010	20 1 1	2012
Residential (tons)	1,633	1,539	1,292	1,415	1,465
Commercial (tons)	548	307	348	7 8 9	786
Problem Materials (tons)	332	521	348	318	114
Total	2,513	2,367	1,988	2,522	2,365
Percent MSW Recycled	24%	23%	20%	24%	24%
Waste Reduction Credit	2%	2%	2%	2%	N/A
Yard Waste Credit	5%	5%	5%	5%	N/A
Total Recycling Percent	31%	30%	27%	31%	24%

Source: MPCA SCORE Reports

As noted earlier, Kanabec County has had challenges with meeting its recycling goal of 35% but intends to take the following steps to achieve that level before the end of the planning period.

Specific Programs to be developed:

- Kanabec County will maintain the existing recycling program.
- Notify and educate the local hospitals, hotels, nursing homes, residents about the mattressrecycling program
- Provide residents with information on electronics recycling taking place at ECSWC.
- Kanabec County will continue to collect contact information from businesses that recycle.
 Businesses will be sent an annual recycling report to fill out indicating type and amount of materials recycled.
- ECSWC will promote recycling reporting through the use of newspapers.
- Kanabec County feels that with more accurate reporting of all recyclers that the counties
 recycling rates may increase significantly. This will be accomplished through a joint effort with
 East Central Solid Waste Commission to obtain information from all recyclers within the
 County.
- Development of an annual newsletter that will be sent out along with the survey to businesses
 in January annually. ECSWC will take on the responsibility of developing the newsletter.

Respansible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

^{*}In 2012 Waste Reduction and Yard Waste credits were legislatively removed

Estimated Program Budget: \$44,486

Specific Programs to be developed:

- Continue to work with local haulers, recyclers, and other interested parties to facilitate development of local markets for recyclables.
- Implement an annual business/commercial/industrial survey to assure all recycling is reported.

Schedule of Implementation: Implementation of the proposed programs will begin in 2016 and budgets will continue throughout the 10-year planning period.

Mille Lacs County

Policies and Gools: The goal of the County's recycling program is to provide recycling opportunities to all residents and business owners in the County and to continue increasing the County's recycling rate each year.

Existing Recycling Programs: The County participates in ECSWC mattress recycling program.

- The County currently contracts with J. Vanderpoel, Inc. to offer recycling services.
 This contract is an annual contract. There are two permanent recycling centers in Milaca and Princeton:
- Milaca: 565 8th Street Northeast, Milaca. This is the site of the Mille Lacs County Public Works Garage. Open 1-5 pm Wednesday and 9 am to 1 pm Friday and Saturday.
- Princeton: 907 1st Street. Open 1-5 pm Wednesday and 9 am to 1 pm Friday and Saturday.
- For residents residing at the north end of the County, recycling services are offered the 1st and 3rd Saturdays in Onamia at 35617 125th Avenue from 9 am to 1 pm.
- They are also offered the 2nd and 4th Saturdays in Isle at 400 West Isle Street from 9 am to 1 pm.

Table 3-7
Mille Lacs County Recycling Results 2008 - 2012

	2008	2009	2010	2011	2012
Residential/Commercial (tons)	892	651	183	136	163
Problem Materials (tons)	446	443	221	4 1 5	59
Total	1,338	1,094	404	551	222
Percent MSW Recycled	8%	6%	14%	9%	9%
Waste Reduction Credit	2%	2%	3%	3%	N/A
Yard Waste Credit	5%	5%	5%	5%	N/A
Total Recycling Percent	15%	13%	22%	17%	9%

Source: MPCA SCORE Reports

Recycling rates seem to have decreased over the past planning period due to the county's inability to annually track recycling at commercial entities.

^{*}In 2012 Waste Reduction and Yard Waste credits were legislatively removed

- The cities of Princeton, Milaca, Onamia, Isle and Foreston have curbside recycling for plastic, glass, aluminum, tin and newsprint. The City of Princeton has increased their recycling rates in recent years while the other cities stayed constant. The commercial waste haulers are responsible for reporting recycling tonnage data each
- Commercial recycling is managed by private haulers within the county and offers a variety of opportunities for businesses located within the municipalities of Mille Lacs County. Commercial businesses are responsible for reporting their recycling tonnage data to the county in a written report. Milaca Metal and Iron estimates recycling of aluminum cans in 2012 to be 13.97 tons and in 2013 to be 37.35 tons.
- The five (5) school districts within the County have coordinated with local haulers to recycle paper, cardboard, tin and aluminum.
- The recreational industry is a significant generator of waste and recyclables. There are many resorts in Mille Lacs County accounting for seasonal fluctuations of mixed municipal solid waste and recyclables. Most resorts within the County offer recycling opportunities for glass, aluminum, tin, plastic, and cardboard.

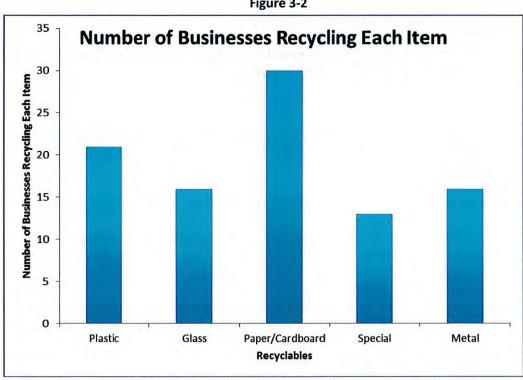


Figure 3-2

A high 88% recycle paper and/or cardboard, while 62% of the responding business recycle plastics. 47% recycle metals and glass. And finally, 38% recycle special items, including electronics and batteries. The business survey was completed by the Environmental Outreach and Education Intern in the summer of 2014. A subsequent survey was sent to approximately 150 businesses in 2015. In order to bolster reporting, the survey will need to be modified to reflect the information needed for the SCORE report and mailed in January in order to include the information in the report. Specific Programs to be developed:

- Work with recyclers to establish a convenient means to recycle electronics
- Work to seek out any businesses that may not be reporting to County
- Continue to support existing programs throughout the ten-year planning period.
- Annually survey commercial businesses to assure that they are accurately reporting recycling amounts

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353

Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimoted Program Budget: \$57,904

Specific Programs to be developed:

- Continue to work with local haulers, recyclers, and other interested parties to facilitate development of local markets for recyclables.
- Implement an annual business/commercial/industrial survey to assure all recycling is reported.
- Prepare a comprehensive disposal guide for residents with placement on Mille Lacs website in time for annual publication during Earth Week.

Schedule of Implementation: Implementation of the proposed programs will begin in 2016 and budgets will continue throughout the 10-year planning period.

Pine County

Policies and Goals: The goal of the County's recycling program is to provide recycling opportunities to all residents and business owners in the County and to continue increasing the County's recycling rate each year.

Existing Recycling Programs: The County participates in ECSWC mattress recycling program.

- Pine County Recycling Shed Program: Pine County provides 22 recycling sheds at various locations throughout the 10 towns for residential recycling. The Sheds are serviced by a private contractor on a weekly schedule. Materials collected include several types of paper and cardboard, several types of food containers.
- Hauler incentives, mandatory recycling ordinances, subsidies for haulers, county franchising with ordinance requirements for curbside collection in more densely populated areas, and county implementation of a recycled materials program should all be evaluated as the county solid waste management programs are evaluated.
- ✓ The private company that services our sheds may be moving towards changing out the sheds for roll-off dumpsters in the near future. The County Recycling Shed program is currently implemented as follows:

Three Simple Rules:

- Recyclable materials only;
- 2. Keep cans, glass, plastics separate from cardboard, paper, magazines;
- 3. No garbage or materials that are not on the list of recyclables.

Acceptable materials are:

- -Glass bottles and jars (all colors)
- -Cans (tin cans, steel cans, aluminum cans)
- -Plastic bottles and jugs with necks, molded plastic and plastic bags
- -Magazines
- -Corrugated cardboard
- -Newspaper and advertising inserts
- -Office paper
- -Cereal type food boxes, junk mail, paper plates.

No...scrap metal, aerosol cans, paint cans, drinking glasses, window glass, light bulbs.

Pine County encourages all homeowners to separate their recyclables and utilize the Recycling Sheds. If we follow the Three Simple Rules" the program will remain in effect and reduce our dependence on land filling. In particular, inappropriate garbage disposal continues to be an expense which could cause demise of the Shed program. In an effort to address inappropriate garbage disposal, a public education campaign of "Three Simple Rules" has been implemented.

Table 3-8
Pine County Recycling Results 2008 - 2012

	2008	2009	2010	2011	2012
Residential (tons)	537	944	1,226	1,139	2,104
Commercial (tons)	2,149	3,777	4,902	4,554	8,414
Problem Materials (tons)	1,466	1,578	484	606	2,666
Total	4,152	6,299	6,612	6,299	13,184
Percent MSW Recycled	17%	24%	25%	25%	41%
Waste Reduction Credit	1%	1%	0%	0%	N/A
Yard Waste Credit	5%	5%	5%	5%	N/A
Total Recycling Percent	23%	30%	30%	30%	41%

Source: MPCA SCORE Reports

In 2012, Pine County surpassed the 35% recycling goal with a 41% level of recovery. Going forward, the County will attempt to achieve higher levels of recycling throughout the planning period through the implementation of the programs below.

Specific Programs to be developed: Pine County will maintain the existing Recycling Shed program, until alternatives are evaluated and implemented. As mentioned previously the private contractor that services our sheds might be switching over to roll-off dumpsters in the near future to replace the sheds.

- Particular recycling programs that will be explored in the future include expansion of the electronic waste recycling program.
- Greater emphasis on recovery of ferrous metals through the annual appliance and scrap collection events held in Pine City and Sandstone.
- Investigate alternative household hazardous waste management with surrounding programs including Stearns County, Chisago and Carlton County.
- These kinds of cooperative ventures will be explored much more often in the future.

^{*}In 2012 Waste Reduction and Yard Waste credits were legislatively removed

- An additional recycling shed will be placed at the Hinckley Transfer Station in 2016.
- Development of an annual newsletter that will be sent out along with the survey to businesses in January. ECSWC will be responsible for development of the newsletter.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$108,207

Schedule of Implementation: The present Recycling Shed program will continue until eliminated or replaced with a more cost effective approach to providing recycling opportunities for county residents, business and industry. This budget will continue throughout the planning period.

East Central Solid Waste Commission

Policies and Goals: ECSWC will continue to provide information to residents about the different recycling programs that the counties offer and also continue to offer recycling at ECSWC facilities for cardboard, steel, electronics, appliances, mattresses and tires. ECSWC will provide the counties with information on any recycling opportunities that they find within each individual county. East Solid Waste Commission staff also attends training that provides information on new recycling or technologies that are shared with the Counties.

Specific Programs to be developed: ECSWC will be assisting Counties with acquiring information from businesses concerning recycling using a survey and making calls to businesses. East Central Solid Waste will also look at opportunities to provide drop off for recycling at the three sites such as a Pine County recycling shed at Hinckley.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051

Estimated Program Budget: \$5,000

320-679-4930 x 10

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

JanelleTroupe@gmail.com

Mattress Recycling Programs

Mattress recycling programs provide opportunities for the residents in the five counties to recycle bulky materials that would otherwise go into the landfill and occupy space that could be devoted to MMSW. The following is a brief overview of each county's participation in this program.

Chisago County

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill

Existing Program: A trailer is leased and shared between SRC's site in Wyoming, Minnesota and Recycling for Wildlife in Harris. Since 2010, the County has increased the number of units captured for recycling from 307 to 587 units in 2014 or 91 percent.

Specific Programs to be developed: The County has leased their existing mattress trailer to ECSWC so it can be moved around the County to additional locations.

Chisago County offers mattress recycling through several local recyclers: SRC, Inc. in Wyoming MN, Recycling for Wildlife in Harris MN, Evergreen Recycling in Rush City, as well as the ECSWC transfer station in Cambridge. A semi-trailer used exclusively for mattress recycling and owned by the County and leased to the ECSWC, is placed at the SRC recycling yard and is available to the public for fee-based drop off. When the trailer is nearing full, it is picked up by Evergreen Recycling LLC, out of Rush City, who runs a milk-run also picking up the mattresses at Recycling-for-Wildlife in Harris, on the way up to their facility in Rush City. Evergreen holds a Chisago County Solid Waste Recycling Facility license and is open to county residents for recycling a number of problem materials. They have developed their own process to efficiently and economically tear-down mattresses and box-springs into components for sale to commodities markets. The wood is separated from the metal frames, and used in outdoor furnaces to heat local farms in the winter. Evergreen has figured out how to bale the metal springs with other scrap steel, and hires DLTL to come up and periodically bale the steel springs. The separated foam and mattress topper materials are baled and sold to Reynolds Urethane Recycling Inc. in Middleton WI. Currently Evergreen is exploring markets for using the cotton as oil spill absorbent materials in the North Dakota oil fields. Unfortunately the current market for Shoddy is non-existent. Regionally, for 2014 Evergreen recycled 3,200 mattresses which they broke down into: 31 tons of steel, 20 tons wood, 20 tons of cotton, 15 tons foam/toppers, and about 8 tons shoddy. Regionally through the end of July 2015, Evergreen has recycled 2,100 mattresses which accounted for: 19 tons of Steel, 12 tons of wood, 12 tons of cotton, 8.5 tons foam and 6 tons of shoddy.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 <u>www.co.chisago.mn.us</u>

Estimated Program Budget: East Central Solid Waste charges \$11 per mattress to be recycled; \$15 per mattress that needs to be landfilled; this is paid by customer. Chisago budgets \$7,031

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Isanti County

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill.

Existing Program: Residents may bring their old mattresses and box springs for recycling to the ECSWC Cambridge Transfer Station. Since 2010, the County has increased the number of units recycled each year from 546 to 833 units in 2014 or 53 percent.

Specific Programs to be developed: The County will continue to use the ECSWC Cambridge Transfer Station for mattress recycling.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: East Central Solid Waste charges \$11 per mattress to be recycled; \$15 per mattress that needs to be landfilled. Isanti does not budget for this item.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Kanabec County

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill.

Existing Program: Residents may bring their old mattresses and box springs to the ECSWC Mora landfill site for recycling. With the exception of 2010, the County has recycled on average 360 units each year.

Specific Programs to be developed: The County will continue to use the ECSWC Mora site to recycle mattresses.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: East Central Solid Waste charges \$11 per mattress to be recycled; \$15 per mattress that needs to be landfilled. Kanabec County does not budget for this program.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill.

Existing Program: Originally, the County had an agreement with a waste hauler to locate a covered container for the recycling of mattresses. That arrangement was discontinued sometime in 2009.

Since then, the County only collects used mattresses for recycling during clean-up events. As such, the number of units collected has dropped significantly.

Specific Programs to be developed: The County will continue to provide information through the use of pamphlets to encourage residents to recycle mattresses and provide mattress box for recycling during residential recycling events.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353 Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: East Central Solid Waste charges \$11 per mattress to be recycled; \$15 per mattress that needs to be landfilled; the fee is paid by customer. Mille Lacs County does not budget for this program.

Schedule of Implementation: The aforementioned programs and budgets will be implemented throughout the ten-year planning period.

Pine County

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill.

Existing Program: Residents are allowed to bring used mattresses and box springs to the ECSWC Hinckley Transfer Station. From 2010 to 2014, the average number of units delivered to the transfer station each year is approximately 456 units.

Specific Programs to be developed: The County will continue to contribute to the cost of recycling residents mattresses at the Hinckley Transfer Station.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: East Central Solid Waste charges \$11 per mattress to be recycled; \$15 per mattress that needs to be landfilled. Pine County contributes ½ cost for residents of Pine County with a budget of \$2,744.

Schedule of Implementation: The aforementioned programs and budgets will be implemented throughout the ten-year planning period.

East Central Solid Waste Commission

Policies and Goals: The goal is to provide mattress-recycling opportunities to the Counties and to keep all mattresses out of the landfill.

Existing Recycling Programs: Thanks to a grant opportunity from the former Minnesota Office of Environmental Assistance (OEA), the ECSWC in conjunction with its five member counties expanded its recycling program in 2005 by including mattresses and box springs. Only dry mattresses and box springs can be recycled. The mattress recycling program includes the following steps:

- Educating retailers, residents and haulers of the mattress recycling program.
- Offering three mattress collection points: one at the East Central Sanitary Landfill in Mora and one at each of the ECSWC owned transfer stations in Hinckley and Cambridge.
- A trailer that is leased is used between SRC in Wyoming and Recycling For Wildlife in Chisago County
- A mattress roll-off container is taken to Mille Lacs County to be used for collection at city or county events.
- Storing the mattresses in dedicated trailers or on floor by dock for loading to transport.
- Transporting the mattresses to Goodwill Industries in Duluth. Chisago County, Isanti County, and Pine County mattresses are being recycled by Evergreen Recycling.

The deconstruction of mattresses results in several marketable by-products:

- Mattress covers or toppers are used to make low-end carpet pads.
- Mattress foam/polyurethane foam is used to manufacture high-end carpet pads.
- Cotton stuffing is used as filler for packaging, shipping pads, wall insulation and road noise abatement material in vehicles.
- Wood is shredded and used as mulch, composted or firewood.
- Steel is used to manufacture new steel products. In a typical innerspring mattress 50% of the weight is from steel, according to Natural Resources Research Institute, University of Minnesota Duluth.

The International Sleep Products Association (ISPA) maintains a list of about 40 recycling centers in North America. ISPA estimates 50,000 mattresses are discarded each day in the United States occupying as much as 23 cubic feet of landfill space apiece. Their long-term goal is to establish a national system for mattress recycling. (Sleepproducts.org)

Approximately 40 million mattresses are purchased annually in the United States. The typical life of a mattress is 11 years.

Approximately 100 mattresses are deconstructed daily at Goodwill Duluth.

(Natural Resources Research Institute, University of Minnesota Duluth http://www.nrri.umn.edu/news/mattress_springs.htm)

The table 3-9 on the following page illustrates the growth of mattress recycling from 2010 to 2014 within the region Mattresses do not compact well and it's estimated that by removing them from the landfill ECSWC saved 8,581 cubic yards of landfill space over the 5 year period.

Table 3-9
Mattress Recycling Five Year History

	2010	2011	2012	2013	2014
Chisago County	307	254	346	345	587
Isanti County	546	700	895	943	833
Kanabec County	528	243	312	374	341
Mille Lacs County	65	83	48	38	26
Pine County	249	609	499	560	364
Total Mattresses Collected	1,695	1,889	2,100	2,260	2,151
Est. Landfill Space Savings	1,441 CY	1,606 CY	1,785 CY	1,921 CY	1,828 CY
Avg. Weight of Mattresses ¹	93,225 lbs	103,895 lbs	115,500 lbs	124,300 lbs	118,305 lbs
Avg. Weight of Mattresses	46.61 tons	51.95 tons	57.75 tons	62.15 tons	59.15 tons
Est. Labor & Transportation Costs ²	\$6,780	\$7,556	\$8,400	\$9,040	\$8,604
Est. Processing Costs ³	\$11,865	\$13,223	\$14,700	\$15,820	\$15,057
Est. Gross Expenses ⁴	\$18,645	\$20,779	\$23,100	\$24,860	\$23,661
Est. Fee Revenue ⁵	\$18,645	\$20,779	\$23,100	\$24,860	\$23,661

- 1. Based on average 55 pounds per unit
- 2. Based on a fully loaded (i.e. staff, equipment, fuel, and maintenance) transportation cost estimate of \$4.00 per mattress
- 3. Based on per unit fee of \$7.00 paid to Goodwill Duluth
- 4. Excludes cost for collection trailers transported to and from Mille Lacs County Sites and McGregor site for Aitkin County
- 5. Based on \$11.00 per unit recycling fee charged at ECSWC disposal sites.

Specific Programs to be developed: ECSWC plans to continue the existing program. In 2012 the attempt was made by Lakes Sanitation to have our mattress trailer in Aitkin. However, after four months it collected only 20 mattresses. Lakes Sanitation is no longer contracted with ECSWC but Garrison Disposal in Aitkin has been offered a similar option and ECSWC will provide encouragement for them to accept this offer of a mattress trailer on-site.

Responsible Person:

Janelle Troupe, Executive Director

PO Box 29

Mora MN 55051

320-679-4930 x 10

Janelle.Troupe@gmail.com

Estimated Budget: On an annual basis, the program is estimated to cost over \$25,000 dollars but fees cover these expenses. ECSWC charges \$11 for recycled mattresses at all three facilities. ECSWC charges \$15 for mattresses that can't be recycled because they are in a garbage load or wet. The cost per mattress for recycling at Goodwill plus transportation to Duluth is \$11.

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

5. Carpet Recycling Programs

According to the MPCA, each person generates approximately 29 pounds of used carpet and pad each year. That number translates to 2,432 tons generated in the ECSWC service area for disposal each year based on 2012 population levels. Similar to mattresses, used carpet is bulky and consumes a lot of land space that could be otherwise devoted to non-recyclable MSW. Started in 2013, this new recycling program provides opportunities for the generators in the five counties to recycle used carpet and pad that would otherwise go into the landfill.

Chisago County

Policies and Goals: The goal is to provide carpet-recycling opportunities to the Counties and to keep all carpets out of the landfill.

Existing Program: It is estimated that Chisago County residents and businesses generated 803 tons of used carpet and pad in 2012. Approximately, one ton was captured at the Cambridge Transfer Station in 2013 for recycling.

Specific Programs to be developed: The County utilizes ECSWC collection of recyclable post- consumer carpet and pad. The covered enclosed box is located at the Cambridge Transfer Station. This program will be promoted by both Chisago County and East Central Solid Waste Commission through use of pamphlets along with the Bro-Tex self- haul option that is available to carpet/flooring stores and installers.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.co.chisago.mn.us

Estimated Program Budget: All costs for this program are paid by East Central Solid Waste Commission and a \$10 cubic yard charge to the generator. Chisago County does not budget for this program.

Schedule of Implementation: The aforementioned programs will continue throughout the ten-year planning period.

Isanti County

Policies and Goals: The goal is to provide carpet-recycling opportunities to the Counties and to keep all carpets out of the landfill.

Existing Program: It is estimated that Isanti County residents and businesses generated 563 tons of used carpet and pad in 2012, Approximately 4 tons was captured at the Cambridge Transfer Station in 2013.

Specific Programs to be developed: The County utilizes ECSWC collection of recyclable post -consumer carpet and pad. The covered enclosed box is located at the Cambridge Transfer Station. ECSWC will promote this program through newspaper advertising, webpage, and annual newspapers developed with Isanti County.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: All costs for this program are paid by East Central Solid Waste Commission and a \$10 cubic yard charge to the generator. Isanti County does not budget for this program.

Schedule of Implementation: The aforementioned programs will continue throughout the ten-year planning period.

Kanabec County

Policies and Goals: The goal is to provide carpet-recycling opportunities to the Counties and to keep all carpets out of the landfill.

Existing Program: It is estimated that Kanabec County residents and businesses generated 239 tons of used carpet and pad in 2012. Since then approximately 3 tons was captured at the ECSWC Landfill in Mora.

Specific Programs to be developed: The County utilizes ECSWC collection of recyclable post-consumer carpet and pad. The covered enclosed box for carpet recycling is located at the ECSWC Landfill. ECSWC will promote this program through newspaper advertising, webpage, and annual newspapers developed with Kanabec County.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: All costs for this program are paid by East Central Solid Waste Commission and a \$10 cubic yard charge to the generator. Kanabec County does not budget for this program.

Schedule of Implementation: The aforementioned programs will continue throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: The goal is to provide carpet-recycling opportunities to the Counties and to keep all carpets out of the landfill.

Existing Program: While it is estimated 387 tons of carpet and carpet pad were generated by Mille Lacs County in 2012, it is difficult to measure the demand by residents for a collection of carpet and carpet padding to the East Central Solid Waste facility, it is the only facility that can respond to residents' immediate desire to address this product.

Other options or alternatives, other than installers recycling carpet and padding, is to ask residents to store carpet and padding until such time that a collection could be organized, likely reducing the odds that the product could be recycled.

Specific Programs to be developed: The County utilizes ECSWC collection of recyclable post -consumer carpet and pad. The covered enclosed box for carpet recycling is located at the ECSWC Landfill. The County, beginning in 2016, will expand its annual survey of visitors to the recycling centers to determine the demand for carpet recycling.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353 Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$1,000 Additional costs for this program are paid by East Central Solid Waste Commission and a \$10 cubic yard charge to the generator.

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period.

Pine County

Policies and Goals: The goal is to provide carpet-recycling opportunities to the Counties and to keep all carpets out of the landfill.

Existing Programs: It is estimated that Pine County residents and businesses generated 444 tons of carpet and pad in 2012. Since then, the County has captured for recycling 1 ton of material at the Hinckley Transfer Station.

Specific Programs to be developed: The County utilizes ECSWC collection of recyclable post -consumer carpet and pad. The covered enclosed box for carpet recycling is located at the Hinckley Transfer Station. ECSWC will promote this program through newspaper advertising, webpage, and annual newspapers developed with Pine County.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250 Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: All costs for this program are paid by East Central Solid Waste Commission and a \$10 cubic yard charge to the generator. Pine County does not budget for this program.

Schedule of Implementation: The aforementioned programs will continue throughout the ten-year planning period.

East Central Solid Waste Commission

Policies and Goals: The goal is to provide post-consumer carpet and pad recycling opportunities to the Counties and to keep recyclable carpet out of the landfill.

Existing Recycling Programs: The carpet recycler ECSWC works with is Bro-Tex Inc. of St. Paul MN.

The ECSWC holds recyclable carpet and pads in three covered truck boxes used only for that purpose. The ECSWC transports the carpet at their expense to Bro-Tex Inc. 840 Hampden Avenue, St. Paul, MN. Carpet can only be transported during dry weather since the entire load is unrolled and inspected for compliance before being accepted into the recycling facility.

Per Bro-Tex Inc., for the recycling of post -consumer carpet and pad the material must meet the following requirements:

- Must be dry, not wet carpet or pad
- Rolled Residential carpet
- Commercial carpet accepted only with prior approval
- Separated urethane foam padding
- No rubber backed carpet or rubber pad
- No carpet tile or other rigid flooring
- No carpet scraps or trimmings
- Rolled by single material type (old, new, pad)
- Maximum 6 feet for width of carpet in rolls
- Rolls tied with string or twine (no duct tape)
- Cut out seaming tape as much as possible
- No tack strips, nails, staples, or knife blades
- No debris, refuse, rocks or caked mud
- Minimal loose dirt

Specific Programs to be developed: ECSWC plans to continue the existing program. During this testing period the program has been promoted only at the three scale houses.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Tr

Janelle.Troupe@gmail.com

Estimoted Budget: ECSWC charges \$10 per cubic yard for recycled carpet at all three facilities. ECSWC has been hauling to St. Paul with a 1991 roll-off truck that received extensive repairs in 2105. To expand this program and deliver several loads of carpet, a safe reliable truck is necessary or we will need to contract for hauling services. There is no cost to tip at Bro-Tex as long as the carpet meets the requirements. Transportation charges are being evaluated. \$10,000 is being budgeted to cover transportation costs and promotion of program through newspaper advertising and flyers.

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten year planning period.

6. Yard Waste Management

"Yard Waste" means the garden waste, leaves, lawn cuttings, weeds and pruning generated at residential and commercial properties. The member counties of the East Central Solid Waste Commission recognize that yard waste was banned from land disposal after January 1, 1992. Each county has encouraged the development of yard waste programs. The 5-member counties utilize the MPCA waste composition study as an indication of the yard waste it generates.

Chisago County

Policies and Goals: The Chisago County Board of Commissioners recognizes that yard waste is banned from land disposal and has encouraged development of yard waste programs throughout the county.

Existing Composting Programs:

- There are currently six, (6) yard waste compost sites within the County. Five are
 publicly owned and operated and one is privately owned and operated. Yard waste
 compost site locations are:
 - ✓ Chisago City, Wyoming, Stacy, and Lindstrom, located at the wastewater treatment facility north of Chisago City
 - ✓ North Branch, located at the wastewater treatment facility
 - ✓ Shafer, located at the wastewater treatment facility
 - ✓ Wyoming, operated by SRC, Inc.
 - ✓ Taylors Falls, located at the wastewater treatment facility
 - ✓ Rush City
- Each municipality received a start-up grant from Chisago County. Private operators
 charge a fee of \$.50 per bag. The county does not have an estimate of backyard
 composting. It can be assumed, due to the characteristics of this rural county, that
 backyard composting has been and will continue to be an essential part of most
 households' waste management activities.
- The composted material is utilized by residents for home projects and for each
 community in park and recreation areas and is available to residents at no cost. The
 County encourages all rural residents to compost yard waste and offers educational
 material to assist their efforts and takes part in the Recycling Association of MN's
 annual truck-load home composter / rain barrel sale. Additionally, the County
 provides technical assistance concerning site operation and maintenance.

Specific Programs to be developed: Chisago County has had discussions with the City of Lindstrom, who operates the Chisago Lakes Joint Sewage Treatment Plant compost site. The site is willing to stay open to township residents for a fee of .50 cents per bag. This location serves the southern half of the County. Chisago County is currently in discussions with the City of North Branch to open their site up to northern township residents. These two sites along with the small local city sites would offer a composting option to residents of the entire county.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: There is currently no budget for yard waste management

Schedule of Implementation: Continue to educate the public, encouraging back yard composting and source reduction through-out the ten-year planning period.

Isanti County

Policies and Goals: The goal of the County's yard waste programs are to achieve source reduction by encouraging homeowners to leave clippings on the lawn, to promote backyard composting through education.

Existing Composting Programs:

- East Central Sanitation, Cambridge MN has a yard waste drop off site for leaves, grass, and brush. The East Central Transfer Station on Hwy 95 east of Cambridge has a burn site for brush.
- The county does not have an estimate of backyard composting. It can be assumed, due to the characteristics of this rural county, that backyard composting has been and will continue to be an essential part of most households waste management activities. It is possible that the county will attempt to conduct a survey of residents to determine the extent of backyard composting.
- The County encourages all rural residents to compost yard waste and offers
 educational material to assist their efforts. Additionally, the County provides
 technical assistance concerning on site operation and maintenance.
- Master Gardeners place newspaper articles in the Isanti County Paper to provide direction on back-yard composting to residents.

Specific Programs to be developed:

- The County will provide each yard waste-compost site information regarding the
 potential environmental risks including odor and leachate generation of yard waste
 composting. It is the responsibility of each site to operate their respective programs in a
 manner consistent with Minnesota Rules and best management practices for composting to
 insure that environmental risk is minimized or eliminated.
- East Central Solid Waste Commission opened a burn site at the Cambridge Transfer Station on Highway 95 in 2006. Brush and stumps may be delivered to that site for a fee.
- The County intends to search for additional sites that may be available for yard waste composting during the 10-year planning period.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge MN 55008 Telephone 763-689-5165 www.co isanti.mn.us

Estimated Program Budget: \$500

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten year planning period.

Kanabec County

Policies and Goals: The goal and policy of the Commissioners is to maintain yard waste in the most cost efficient manner possible and in a manner consistent with Minnesota Statute and Rules.

Existing Composting Progroms:

- ✓ East Central Solid Waste Commission has a yard waste site at 1756 180th Avenue, Mora MN. It is open 8-4:30 Monday through Friday and 8-noon on Saturday.
- ✓ The County does not have an estimate of backyard composting. It can be assumed, due to the nature of this rural county, that backyard composting has and will continue to be an essential part of most households.
- ✓ It is the responsibility of these communities to operate their programs in a manner consistent with Minnesota Rules and best management practices for composting.
- ✓ The County encourages all rural residents to compost yard waste and offers an ongoing educational program to assist residents with on-site compost efforts. The County provides technical assistance concerning on site operation and maintenance. Residents have been notified of the prohibition on land disposal of yard waste.

Specific Programs to be developed: The County intends to maintain its current yard waste-composting program.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: None

Schedule of Implementation: Continue to educate the public, encouraging back yard composting and source reduction throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: The policy and goals of the Mille Lacs County Board of Commissioners is to continue with existing programs in a manner consistent with Minnesota Statute and rules. The Mille Lacs County Board of Commissioners acknowledges and supports the 1/1/92 ban on yard waste in the solid waste stream and supports staff efforts to educate residents in alternate yard waste disposal methods.

Existing Composting Progroms:

- The cities of Princeton, Milaca, Foreston and Onamia provide yard waste drop-off sites for all residents. Residents should contact the city offices for information. The composted material is utilized by each city at community parks and recreation areas and is also available to residents at no cost.
- The City of Milaca organizes a spring pick up of yard waste contracted to a licensed hauler. There is no charge to the property owner for this event. There is also a yard waste drop off that is open during the hours of recycling. There is no direct charge to the resident, but the county does pay a monthly fee to have the box taken to the City's composting site.

- It is the responsibility of these communities to operate their respective programs in a manner consistent with Minnesota Rules and best management practices for composting to insure that environmental risk is minimized or eliminated.
- It can be assumed, due to the nature of this rural county, that backyard composting has and will continue to be an essential part of most households.
- The County offers technical assistance concerning the operation and maintenance of city dropoff sites and backyard composting sites, including the distribution of educational material to the public promoting the sites and on-site composting efforts.

Specific Programs to be developed:

- The County encourages all rural residents to compost yard waste and offers educational material to assist compost efforts.
- The County will coordinate with each community hosting a yard waste compost program to provide technical assistance regarding the potential environmental risks that include, odor and leachate generation.
- The County intends to maintain its current yard waste-composting program throughout the ten-year planning period

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635-2nd st. SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: None

Schedule of Implementation: Continue to educate the public, encouraging back yard composting and source reduction through-out the ten-year planning period.

Pine County

Policies and Goals: It is the goal and policy of Pine County to maintain yard waste composting in the most cost efficient manner possible and in a manner consistent with Minnesota statute and rules. Pine County recognizes and supports the state policy of prohibiting disposal of yard waste in land disposal facilities. The state policy has been in effect since January 1992.

Existing Recycling Programs: There is no curbside collection of yard waste in Pine County, with the exception of one event Pine City holds in the spring. The County does not have an estimate of backyard composting. It can be assumed, due to the nature of this rural county, backyard composting has and will continue to be practiced by many households.

- The County encourages all rural residents to compost yard waste and offers
 educational material to assist compost efforts. Additionally, the County provides
 technical assistance concerning on site operation and maintenance and educational
 material to the public promoting the sites and on-site composting efforts.
- Hinckley, Pine City and Sandstone maintain yard waste composting sites. These
 materials are informally offered to area residents for landscaping and soil additives.
 Pine City utilizes the composted material in city-sponsored projects such as
 community parks and recreation areas.

The County provides each yard-waste compost site with information regarding
proper management to avoid odor and leachate generation resulting from
yard waste composting. It is the responsibility of each site to operate their
programs in a manner consistent with Minnesota rules and best management
practices for composting to insure that environmental risk is minimized or eliminated.

The County will continue to work with private composting interests to site and permit a more comprehensive yard waste compost site. One traditional barrier that has been encountered in Pine County includes difficulty in gaining township land use permitting approval. A conflict is noted in that the County is responsible for waste management (yard waste), offers yard waste facility licenses under a County Ordinance, but does not manage land use which remains the primary hurtle for implementing improved waste management facilities. As alternative waste management facilities are proposed in Pine County, the Department will continue efforts to site facilities; work with area residents and townships to gain a more informed position on citing, permitting, and managing waste facilities.

Specific Progroms to be developed:

The County encourages Hinckley, Pine City, Sandstone and other cities to maintain current yard waste-composting programs. The County will increase public education, ordinance amendments to facilitate reasonable waste management facilities and encourage back-yard composting efforts.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: No budget for this program. Some technical assistance offered to prepare township land use ordinances which can most effectively evaluate and positively react to reasonable waste management facility proposals.

Schedule of Implementation: Continue to educate the public, encouraging back yard composting, source reduction, and technical assistance in ordinance development. In the future more focused efforts will occur for improving yard waste management.

East Central Solid Waste Commission

Yard waste is accepted at the Mora facility for on-site composting. The yard waste composting area is located in an open area away from buildings, automobile exhaust, and residential or commercial neighborhoods, thus precluding odor or contamination issues. Operating procedures insures that grass is combined with leaves or wood chips. Due to the rural nature of the local area, the volume of grass clippings disposed of in the compost pile is limited. Lower volumes of grass clippings result in a less dense pile, which under normal precipitation conditions allows for adequate air circulation. Therefore the necessity of turning the pile frequently is unnecessary. Branches must be smaller than ½ inch in diameter to be disposed of in the compost pile. Currently food waste is not allowed in the compost pile. The compost pile is turned as needed to enhance decomposition. Turning the pile occasionally blends the more recently delivered yard waste with the material already naturally decomposing to significantly hasten the composting process.

Finished compost, or humus, is blended with on-site soils to create a topsoil mixture that is conducive to vegetative growth. The material is used primarily for soil amendment when vegetating landfill side slopes, as well as other landscaping activities.

ECSWC will continue to support the counties by assisting with education concerning yard waste composting and providing residents with materials to assist them in backyard composting.

Specific Programs to be developed: East Central Solid Waste Commission will continue the existing yard waste program throughout the ten-year planning period. This program has not been advertised but is used by many residents. Residents are encouraged to use other means of recycling yard waste if it is available. If the tonnage of yard waste increases to over two ton annually, the Commission will need to implement a more elaborate system of turning the compost and adding amendments to the mixture.

East Central Solid Waste Commission has a burn site at the Cambridge Transfer Station. Residents are able to dispose of brush, which is later burned.

The ECSWC gets information from residents upon delivery of yard waste in order to report yard waste tonnage amounts to the counties for their Score Report and for the ECSWC Yard Waste Report.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimated Program Budget: \$15,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

7. Source-Separated Organic Composting & Food Waste to Animals

There are no Source-Separated Organic Waste Composting sites in the five-county area at this time. However, there does exist a few counties who are diverting food waste to farmers to feed animals. Educational materials are provided by the counties to encourage residents to do organic waste composting on-site.

Chisago County

Existing & Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles to encourage residents to do organic waste composting on-site.

 Chisago County sends a significant amount of organics to Barthold for food to hogs, specifically the Chisago Lakes, North Branch, and Rush City School Districts. Hazelden are participating. www.bartholdrecycling.com Chisago Lakes School District #2144 serving an annual population of 2900, 13750 Lake Blvd., Lindstrom MN 55045, 651-213-2000, Total for last SCORE year 2013 = 121.2 ton

North Branch School District #138 serving an annual population of 2000, 38705 Grand Ave., North Branch MN 55056, 651-674-1000, Total for last SCORE year 2013 = 55.9 ton

Rush City School District #139 serving an annual population of 850, 51001 Fairfield Ave., Rush City MN 55069, 320-358-4795, Total for last SCORE year 2013 = 37.8 ton

Hazelden: was an estimated tonnage of 75 tons per year.

Chisago County has a new facility that is going to start organics composting. They are
working through a research project agreement with MPCA. The Facility is a private
organic farm, owned by Jessica Paul DBA JPS Farms and Richardo Piedade dba Bezzee
Worm Farm, at 38616 Pine Ave., Center City MN 55012. Solid Waste Management
Facility Permit: JPS Farms Demonstration Project Permit #UT0123, Action
PER001. They are permitted to a capacity of 20,000 tons total of which 12,000 tons
are source separated organics and 8,000 tons are yard waste. They are private so
they can take customers from other counties.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.co.chisago.mn.us

Estimated Program Budget: The combined School Districts of Chisago Lakes, North Branch, Rush City, have a Food to Animals Budget of \$6000. Chisago County's budget for Food-to-Animals is \$6000. Chisago County currently has no budget for participating in the new SSO facility

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Isanti County

Existing Program: There are no Organic Waste Composting sites in the county. However, the County does have an active Food to Animals Program which has been successful in diverting on average 495 tons of material each year from 2008 to 2012. Educational materials are provided to encourage residents to do organic waste composting on-site.

Specific Programs to be developed: The County will also continue to provide educational material and information through the use of pamphlets and newspaper articles to encourage residents to do organic waste composting on-site.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us Estimated Program Budget: The County does not budget for this.

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Kanabec County

Existing Program: There are no Source-Separated Organic Waste Composting sites in the county. However, the County is exploring the Food to Animals Program option and attempt to divert food waste to animal consumption during the planning period. Educational materials are provided to encourage residents to do organic waste composting on-site.

Specific Programs to be developed: Explore the development and implementation of a Food to Animals Program. The County will continue to provide educational material and information through the use of pamphlets and newspaper articles to encourage residents to do organic waste composting on-site.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$500

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Mille Lacs County

Existing Program: There are no Source-Separated Organic Waste Composting sites in the county. Educational materials are provided to encourage residents to do organic waste composting on-site.

Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles to encourage residents to do organic waste composting on-site.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353 Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$100

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Pine County

Existing Program: There are no Source-Separated Organic Waste Composting sites in the county. However, the County does divert food waste to area farmers where animals and farmers benefit from the material. Grand Casino Hinckley sent 4,680 barrels equaling a total of 421 tons of food waste to Barthold Farms in 2014. Educational materials are provided to encourage residents to do organic waste composting on-site.

Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles to encourage residents to do organic waste composting on-site.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$100

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

East Central Solid Waste Commission

Existing Program: There are no Source-Separated Organic Waste Composting sites in the five-county area.

Specific Programs to be developed: ECSWC will distribute pamphlets prepared by the Counties to residents concerning Organic Waste Composting. Staff is researching other vendors that may accept Organics with the main focus being on restaurants and schools.

Responsible Person:

ECSWC Executive Director
1756 180th Ave. PO Box 29 Mora, MN 55051
Telephone (320) 679-4930 x10

Janelle.Troupe@gmail.com

Estimated Program Budget: \$500

Schedule of Implementation: Educational materials concerning backyard composting will be available and distributed at all three ECSWC facilities. Budget will continue throughout the ten-year planning period.

8. MSW Land Disposal

Goal: The goal of the counties is to operate their solid waste programs in a manner that minimizes the volume of material requiring burial in a land disposal facility. It is the intent of the County Boards of the five member counties that all waste generated within the five member counties is delivered to the ECSWC.

Chisago County

Policies and Gools: It is the policy of the County Board of Commissioners to support the East Central Solid Waste Commission in the utilization of the landfill for disposal of mixed municipal solid waste in a manner consistent with Minnesota Statute and Rules. It is a long-term goal of the County to minimize the use of the landfill through materials recovery within economically feasible policies.

Existing Land Disposol Programs:

The County currently utilizes the East Central Sanitary Landfill (SW-17); 8%of the MSW is delivered to areas outside the ECSWC region. There are probably no residents or commercial haulers that are directly hauling MSW to Ladysmith, Wisconsin; instead they all go through the Osceola Transfer Station, a division of Waste Management. It is estimated that 3% of the County's MSW goes to Ladysmith, Wisconsin with less than 0.02% goes to Elk River. The actual price that commercial haulers pay at the Osceola Transfer Station is unknown.

Table 3-10

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East Central Solid Waste Commission Transfer Station (SW-400)	Hwy. 95, Cambridge, MN	(763) 689-4056
East Central Solid Waste Commission Transfer Station (SW-401)	Hwy. 61, Hinckley, MN	(320) 384-6596
East Central Solid Waste Commission Sanitary Landfill (SW – 17)	1756 180 th Avenue, Mora, MN	(320) 679-4930
Timberline Trail Landfill (W12)	Ladysmith, WI	No Direct Line
Osceola Transfer Station	Osceola, WI	(715) 294-3970
Elk River Sanitary Landfill (SW-017)	22460 Hwy 169, Elk River, MN	(763) 441-2106

In 2012, Chisago County sent 23,570 tons of MSW to the ECSWC Landfill located in Mora, Minnesota. The County anticipates that the tonnage amount landfilled will grow a modest five (5) percent over the first 5 years of the planning period and then decline because of new waste recovery programs coming on line.

Specific Programs to be developed:

- Continue educational efforts to maximize recycling and reuse to minimize amounts of waste requiring land disposal.
- Maintain a program of enforcement to insure inappropriate wastes are not delivered to land disposal facilities.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: MSW Disposal is funded through tipping fees.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Isanti County

Policies and Goals: It is the policy of the County Board of Commissioners to support the East Central Solid Waste Commission in the utilization of the landfill for disposal of mixed municipal solid waste in a manner consistent with Minnesota Statute and Rules.

Existing Land Disposal Programs: The County currently utilizes the East Central Sanitary Landfill (SW-17).

Table 3-11

East Central Solid Waste Commission Transfer Station (SW-400)	Hwy. 95, Cambridge, MN	(763) 689-4056
East Central Solid Waste Commission Sanitary Landfill (SW – 17)	1756 180th Avenue, Mora, MN	(320) 679-4930

In 2012, Isanti County sent 61 percent of its MSW (23,904 tons) to the ECSWC Landfill located in Mora, Minnesota. The County anticipates that the amount of tonnage landfilled will grow a modest seven (7) percent over the first five years of the planning period and then decline in the remaining 5 years due to new waste recovery programs coming on line.

Specific Programs to be developed:

- It is a long-term goal of the County to minimize the use of the landfill through materials recovery within economically feasible policies.
- Continue educational efforts to maximize recycling and reuse to minimize amounts of waste requiring land disposal.
- Maintain a program of enforcement to insure inappropriate wastes are not delivered to land disposal facilities.

Respansible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: Landfill disposal is funded through tipping fees.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Kanabec County

Policies and Goals: It is the policy of the County Board of Commissioners to support the East Central Solid Waste Commission in the utilization of the landfill for disposal of mixed municipal solid waste in a manner consistent with Minnesota Statute and Rules. Kanabec County adopted a Resolution in

2013 requiring all MSW to be disposed of, and prohibiting the illegal burning and burying of garbage on private property.

Existing Land Disposal Programs: In 2012, Kanabec County sent 72 percent of its MSW (7,249 tons) to the ECSWC Landfill in Mora, Minnesota. The County anticipates that this amount will decline each year over the planning period as new programs come on line to reduce the amount of material landfilled.

Table 3-12

East Central Solid Waste Commission	1756 180th Avenue, Mora,	(320) 679-4930
Sanitary Landfill (SW-17)	MN	(320) 6/9-4930

Specific Programs to be developed:

- It is a long-term goal of the County to minimize the use of the landfill through materials recovery within economically feasible policies.
- Continue educational efforts to maximize recycling and reuse to minimize amounts of waste requiring land disposal.
- Maintain a program of enforcement to insure inappropriate wastes are not delivered to land disposal facilities.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: Landfill disposal is funded through tipping fees.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: It is the policy of the County Board of Commissioners to support the East Central Solid Waste Commission in the utilization of the landfill for disposal of mixed municipal solid waste in a manner consistent with Minnesota Statute and Rules. It is a long-term goal of the County to minimize the use of the landfill through materials recovery within economically feasible policies.

Existing Land Disposal Programs:

Haulers from Mille Lacs County haul a significant amount (41%) of the County's MSW to the Elk River Sanitation Landfill, a division of Waste Management located in Elk River, MN. ECSWC is 16 miles from Milaca and Elk River is 30 miles from Milaca. Depending on which end of the county the hauler is coming from either facility may be closer. Some Commercial Haulers from the northern part of Mille Lacs County are under a hauler contract with ECSWC. Many residents continue to use ECSWC for self-hauling needs because Elk River states that their rate is \$125 per ton on their recorded telephone message.

• The cities of Onamia and Milaca have a contract with one hauler for exclusive rights to handle the refuse within the city limits. The contract hauler for the City of Onamia provides residential tag service, residential recycling, commercial container service, commercial cardboard recycling and entire roll off services for demolition and waste removal for the City of Onamia. The City of Milaca only licenses one hauler for the city limits. The Cities of Onamia and Milaca do not require the hauler to dispose of garbage at any specific location except that the facility is permitted by the MPCA.

Table 3-13

East Central Solid Waste Commission Sanitary Landfill (SW – 17)	1756 180 [™] Avenue, Mora, MN	(320) 679-4930
Elk River Sanitary Landfill (SW-017)	22460 Hwy 169, Elk River, MN	(763) 441-2106

Specific Programs to be developed: Maintain a program of enforcement to insure inappropriate wastes are not delivered to land disposal facilities.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN S6353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: Landfill disposal is funded through tipping fees

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Pine County

Policies and Goals: It is the policy of the County Board of Commissioners to support the East Central Solid Waste Commission in the utilization of the landfill for disposal of mixed municipal solid waste in a manner consistent with Minnesota Statute and Rules.

Pine County will continue to minimize the use of the landfill through the implementation of waste reduction, recycling and related waste reduction programs.

Existing Land Disposal Progroms:

Table 3-14

East Central Solid Waste Commission Transfer Station (SW-401)	Hwy. 61, Hinckley, MN	(320) 384-6596
East Central Solid Waste Commission Sanitary Landfill (SW – 17)	1756 180 [™] Avenue, Mora, MN	(320) 679-4930

In 2012, Pine County sent 16,536 tons of MSW to the ECSWC Landfill in Mora, Minnesota. In the future, the amount sent to ECSWC Landfill is expected to grow approximately 2 to 4 percent during the first two years of the planning period then grow at a slower rate of 1.5% each year afterward.

Specific Programs to be developed: Continue educational efforts to maximize recycling and reuse to minimize amounts of waste requiring land disposal.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: Landfill disposal is funded through tipping fees

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

East Central Solid Waste Commission

Waste disposal is primarily managed through land disposal at the ECSWC landfill located in Kanabec County, just west of Mora, Minnesota. Best management practices are being identified to reduce the overall sociological and environmental impact of the land disposal activity.

Existing MSW Land Disposal Programs:

The current MPCA-approved permit divides the Landfill into five MSW phases, identified as Phase 1 through 5 plus an old unlined landfill volume of 2,161,200 cubic yards. The current permit includes an additional Phase 6 that is divided into Phase 6A and 6B with a permitted disposal capacity of 710,000 CY. Phase 6A was constructed in 2010 with disposal beginning December 2010.

A Certificate of Need was granted by the MPCA that granted a capacity of 990,804 cubic yards, not including cover materials. A permit was issued in September 2004 that included five phases of landfill development with a vertical expansion. The permit allows for reopening the closed portions of Phases 1 and 2 to recapture unfilled air space and by increasing final slope in the five phases from 5:1 to 3:1. This modification provided a permitted volume of 1,784,200 cubic yards (inclusive of all cover soils), providing disposal capacity to ECSWC customers through December 2007.

Leachate generated within the lined landfill is collected continuously and pumped to an adjacent 28,000-gallon capacity above ground storage tank (AST). Leachate is also stored in Pond 1 a 550,000 gallon pond and Pond 2, a 1,000,000 gallon pond. In these ponds, leachate is treated to prepare for on-site land application, spray on the working face of the landfill and recirculation back into the landfill. Leachate is pumped from the tank as needed and transported to the Metropolitan Council Environmental Services (MCES) treatment facility in St. Paul, Minnesota. On December 15, 2011, the ECSWC was granted a permit modification form the MPCA for "full-scale" leachate recirculation into Phase 5, Phase 6A, and Phase 6B as well as the approval of treated leachate land application as an option for facility leachate management.

The Solid Waste Management Rules require that post closure funding consider inflation indexes as adjustment to the annual cost estimates over the 20-year post-closure period. Using a discount rate of 2.00 percent and an inflation rate of 1.55 percent, the value of the total post-closure care costs at the time of landfill closure can be calculated using simple "time-value of Money" equations. The present value of the amount required for post-closure care at the time of landfill closure is \$1,244,935.

Active Gas Callection System:

Installation of an active gas collection system at the ECSWC landfill began in 2004. All of the condensate generated by the active gas collection system will be drained back into the landfill and will be managed as leachate. A blower house and flare are located west of Phase 1. The Gas Collection System consists of 26 vertical LFG extraction wells installed to a depth of approximately 80% of the waste thickness, Landfill piping component connections, lateral and header piping, a condensate management system and a blower/fare system to collect and combust the LFG. The flare was started in fall of 2005. Construction on the ECSWC and Southern Minnesota Municipal Power Agency (SMMPA) joint LFG-to-energy project began in May 2011. A Caterpillar 3520 internal combustion engine (ICE) was installed at the site in June 2011. SIMPA owns and operates the engine and purchases the gas from the ECSWC. The engine uses approximately 600 standard cubic feet per minute of LFG to generate 1,600 kilowatts of electricity. The generated electricity is dispensed into the local city of Mora, Minnesota electrical grid system. The flare is maintained onsite as a backup LFG destruction device during downtimes of the combustion engine. Both SMMPA and ECSWC are responsible for the monitoring requirements and notification requirements detailed in individual Title V Air Emission Permits issued June 29, 2010.

Leachate Management:

Leachate generated from the landfill is stored in three areas: an above ground storage tank with a capacity of 28,000 gallons, Pond 1 with a capacity of 550,000 gallons, and Pond 2 with a capacity of 1,000,000 gallons. Leachate from the open M5W Landfill is treated in the leachate storage and treatment ponds prior to final disposal. The ECSWC currently uses three methods of leachate management: recirculation back into the MSW Landfill by spraying on the working face of the landfill or through recirculation laterals or leachate distribution points, or hauling to the Metropolitan Council Environmental Services (MCES) discharge point in St. Paul, MN, or land application of treated leachate out of Pond 2 on to an approved 7.2 acre parcel of land within the 160 acres of ECSWC property. The application system is a fixed sprinkler system consisting of approximately 27 stationary sprinklers spraying a radius of approximately 65 feet. The leachate is delivered to the spray field via a four-inch diameter, high-density polyethylene force main from the recirculation manifold in the landfill.

The ponds are designed to reduce the biochemical oxygen demand (BOD), chemical oxygen demand (COD), metals, and VOC concentrations of the leachate by mechanical aeration. General chemistry and metals are sampled at least three times per spray season at the discharge Pond. Land application of leachate requires sampling from pond, check of recent rainfall events. Using the accepted practice of the checkbook method, the operator will review rainfall and application events and determine the soil moisture deficit to evaluate if application of leachate may occur in a given day.

The landfill has been limited on the amount of leachate that can be land applied because of high concentrations of nitrogen in the pond leachate samples and high boron levels found in the soil samples. Through investigation it was realized that the boron was naturally in the soils. The landfill will develop and implement a de-nitrification process to reduce nitrogen concentrations.

Specific Programs to be developed and Schedule of Implementation:

- An additional 12 acres are being developed adjacent to the current 7.2 acres for land application of leachate and will be ready for land application of leachate in 2016.
- The landfill will develop and implement a de-nitrification process to reduce nitrogen concentrations in the leachate.
- Continued environmental review and permitting for Landfill Expansion

Responsible Person:

Janelle Troupe, Executive Director PO Box 29 Mora MN 55051 320-679-4930 x 10 Janelle.Tro

Janelle.Troupe@gmail.com

Estimated Program Budget:

- Land Application Site in 2015: \$275,000
- Landfill Expansion in 2015: \$2,800,000

9. Solid Waste Tire Management

Goal: It is the intent of the counties to continue to promote proper management of waste tires within its boundaries. Waste tires were banned from land disposal facilities in 1985 by Minnesota Statute 115A.904. Minnesota Laws Ch. 685, Section 28 (325E.32) requires tire dealers in Minnesota to accept old tires at the time new tires are purchased. Minnesota Law further regulates the storage, transfer and disposal of waste tires.

Chisago County

Policies and Goals:

The County established its goals and policies regarding wastes tire management in the 1993 Solid Waste Plan Update and in accordance with Minnesota Statute 115A.914 sub. 3 and will continue to comply with this statute throughout the planning period and beyond. Further, the County has established a waste tire section in its Solid Waste Ordinance. There are no known tire dumps within the County.

Existing Tire Management Programs:

 The County provides staff from the Environmental Services Office to conduct a variety of inspections. If during the course of these duties a county official notes an illegal tire dump, they are required to inform the Director of Environmental Services for further action.

Chisago County 2014 Residential Recycling Program



Chisage County 39649 Grand Ave. North Branch MN (651) 213-8923 lathibo@co.chisago.mn.us

- Residents: recycle Tires, Appliances, Mattresses and Electronics.
- County Solid Waste Fund pays part of the cost to make recycling affordable.
- Proof of county residency required, must fill this out.
- No commercial or business items accepted.
- Recycler and/or Chisago County reserves the right to refuse quantities and determine commercial or business class recyclables.
- Program terms and conditions subject to change.

Item	E-Cycling	ECSWC	Ever- green	RFW	SRC	Steel Chick	County Solid Waste Fund
APPLIANCES:		Residents	Dane				Pays:
w/o refrigerant	\$10	\$10	\$2	\$10	\$15	Free	\$5
w/ refrigerant	\$10	\$10	\$5	\$10	\$20	Free	\$5
ammonia (sm/lg)	N/A	\$75	\$100	N/A	\$25/\$100	Free	\$50
TIRES:			V.				
automobile	N/A	\$3	Free	Free	\$1/\$2	Free	\$3
truck w or w/o rim	N/A	\$3	Free	\$0.50	\$3/\$4	Free	\$3
semi w or w/o rim	N/A	\$15	\$ 5	\$5/\$6	\$15	Free	\$5
tractor/w rim	N/A	\$40	\$20	\$25/\$35	\$30/\$40	\$10	\$10
MATTRESSES:							
mattress or box spring	N/A	\$11	\$3	\$3	\$10	Free	\$10
ELECTRONICS:							
computer package	\$8	N/A	\$11	\$10	N/A	Free	\$5
monitor (sm / lg)	\$5	\$10	\$10	\$5	\$11	Free	\$5
CPU	Free	\$3	Free	\$1	\$9	Free	\$1
laptop	Free	\$3	Free	\$2	\$13	Free	\$3
"Covered" electronics	\$3	\$3	\$3	\$2	\$13	Free	\$3
large copier	\$10	\$30	\$20	\$25	\$45	\$10	\$5
"Non-covered" electronics	\$3	\$3	\$5	\$2	\$7	Free	\$3
TV - small <25"	\$3	\$10	\$ 5	\$10	\$15	Free	\$10
TV - large>25"	\$5/\$15	\$30	\$10/\$15	\$20	\$20	Free	\$20

Please refer to the chart above or call your local recycler for information:

- E Cycling Solutions 10544 Liberty Ln, Chisago City, 55013, 651-815-0423, www.ecyclingsolutions.com
- ECSWC Cambridge Transfer Station, Hwy 95 E. of Cambridge, 763-689-4056, www.ecswc.cog.mn.us/
- Evergreen Recycling 53427 Forest Blvd., Rush City, 55069, 320-358-3988, www.evergreenrecyclinglic.com
- RFW Recycling for Wildlife 42775 Forest Blvd., Harris, 55032, 651-674-7268
- SRC, Inc. East Viking Blvd., Wyoming, 55092, 651-462-5298, www.mytrashservice.com
- Steel Chick Pick-up only, 651-269-6412. www/steelchick.com
- The County has contracted with local companies listed on following page to provide county subsidized tire recycling for residents. Waste tires are brought by residents to one of these licensed tire contractors. The tires are transported for recycling regularly.

In 2012, Chisago County recycled 150 tons of waste tires representing 13 percent of the total tonnage of problem materials collected during that year.

Specific Programs to be developed:

- The County will continue to contract with local companies and will continue to provide staff to conduct the various inspection services.
- Continue to educate the general public as to proper methods of waste tire management. Provide the public with a convenient location for waste tire disposal.

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056 Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$15,835

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Isanti County

Policies and Goals:

The County established its goals and policies regarding waste tire management in the 1993 Solid Waste Plan Update and in accordance with Minnesota Statute 115.914 sub. 3 and will continue to comply with this statute throughout the planning period and beyond.

Existing Tire Management Programs:

- The County provides staff from the Zoning and Solid Waste Office to conduct a variety of inspection services. If during the course of these duties, a County official notes an illegal tire dump, they are required to inform the Director of the Zoning and Solid Waste Department for further action.
- The ECSWC Transfer Station located near Cambridge accepts tires for a fee ranging from \$1.00 for small RV tires to \$40 for tires over 22".
- In many instances residents may exchange their used tires during purchase of new tires. Many businesses have developed contracts with licensed tire haulers for management of their waste tires. Township spring cleanup events also collect and dispose of thousands of tires each year.

In 2012, Isanti County recycled 76 tons of waste tires representing 7 percent of the total tonnage of problem materials collected during that year.

Specific Programs to be developed:

- The county intends to maintain its current waste tire program throughout the planning period.
- Continue to educate the general public as to proper methods of waste tire management. Provide the public with a convenient location for waste tire disposal.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$775

Schedule of Implementation: The aforementioned programs and budgets will be implemented throughout the ten-year planning period.

Kanabec County

Policies and Goals: It is the goal and policy of the Kanabec County Board of Commissioners to maintain this program in the most cost efficient manner possible and consistent with Minnesota Statute and Rules.

Existing Tire Management Programs: The following locations accept used tires in the county:

Table 3-15

East Central Solid Waste Commission	1756-180th Ave	
	Mora MN	320-679-4930
Glen's Tire	800 East Forest	
	Mora MN	320-679-2500

- The waste tires disposed of at East Central Solid Waste Commission are picked up by a licensed tire contractor and transported for recycling to First State Tire Recycling located in East Bethel. The tires are chipped and used for road base. Some tire chips are returned to the ECSWC landfill for use as drainage material in the pilot leachate recirculation project that began in 2004. The fee for tires disposed of at ECSWC ranges from \$1 for small RV tires to \$40 for tires over 22".
- Glen's Tire accepts auto tires for \$2 but charges for other sizes vary significantly.
- Many businesses have developed contacts with licensed tire haulers for management of tires
- Additionally, the county has sponsored annual clean-up events, which include tire collection.

In 2012, Kanabec County recycled 32 tons of waste tires representing 28 percent of the total problem material tonnage collected during that year.

Specific Programs to be developed:

County intends to maintain its current waste tire program throughout the planning period. Continue to educate the general public as to proper methods of waste tire management. Provide the public with a convenient location for waste tire disposal.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$816

Schedule of Implementation: The aforementioned programs and budgets will be implemented throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: The policy and goals of the County regarding waste tire management were established during the previous planning period and remain consistent with statute and rules that prohibit disposal of tires in the waste stream. Fees are determined annually for costs of accepting tires.

Existing Tire Management Programs:

The County's Solid Waste Ordinance and Zoning Ordinance prohibit the illegal storage and disposal of waste tires. Enforcement of the ordinance is the responsibility of the County Land Services Office. There are no known tire dumps within the county at this time.

- The County provides an opportunity for residents to dispose of waste tires for a fee at the East Central Solid Waste Commission. The fee for tires disposed of at ECSWC is as follows:
 - √ \$1 for small RV Tires
 - √ \$4 for Car Tires
 - √ \$15 for Truck Tires 18" to 22"
 - √ \$40 for Tractor Tires
- Additionally, many businesses have developed contacts with licensed tire haulers for management of their tires.
- The Cities of Wahkon, Princeton, Foreston, Bock, Pease, and Milaca along with the Townships of Greenbush and Baldwin collect tires at their annual clean-up events.
 The county conducted a tire collection in 2012 and intends to intermittently offer this service during the planning period.

Specific Programs to be implemented:

- The County intends to maintain its current waste tire program throughout the ten-year planning period.
- Continue to educate the general public as to proper methods of waste tire management. Provide the public with a convenient location for waste tire disposal.

In 2012, Mille Lacs County recycled 31 tons of waste tires representing 52 percent of the total problem material tonnage collected during that year.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd 5treet 5E, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$500

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Pine County

Policies and Goals: It is the goal and policy of the County to maintain this program in a cost efficient manner and consistent with Minnesota statute and rules.

Existing Tire Management Programs: There are no known permitted tire disposal facilities in the County.

- The County encourages residents to dispose of waste tires at East Central Solid Waste Commission or Hinckley transfer station. Pine County residents receive 50% discount if disposal is through ECSWC. The fee for tires disposed of at ECSWC is as follows:
 - √ \$1 for small RV Tires

 - √ \$15 for Truck Tires 18" to 22"
 - ✓ \$40 for Tractor Tires

 Additionally, many businesses have developed contacts with licensed tire haulers for management of used tires. The County and city maintenance departments maintain tire exchange programs when purchasing tires.

In 2012, Pine County recycled 86 tons of waste tires representing 3 percent of the total problem material tonnage collected during that year.

Specific Programs to be developed:

- The County intends to maintain its current waste tire program throughout the planning period.
 Further investigations are needed to ensure that "beneficial use" is not abused.
- Continue to educate the general public as to proper methods of waste tire management.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$4,898

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

East Central Solid Waste Commission

Policies and Goals:

It is the goal and policy of the ECSWC to maintain this program in a cost efficient manner and consistent with Minnesota statute and rules.

Existing Tire Management Programs:

Tires are collected at all three sites belonging to the ECSWC. First State Tire picks up the tires from the three sites as shown below:

Table 3-16

	·u	one or no	
Site Name	Hours	Location	Fees Charged
Mora Landfill	8-4:30, Mon. – Fri 8 – noon, Sat.	1756 180th Avenue Mora, MN	\$1 for small RV tires to \$40 for tires over 22".
Cambridge Transfer Station	8-4:30, Mon. – Fri 8 – noon, Sat.	4194 Hwy 95 NE Cambridge, MN	\$1 for small RV tires to \$40 for tires over 22".
Hinckley Transfer Station	8-4:00, Mon. – Fri 8 – noon, Sat.	Highway 61, ½ mi. east of I-35, Hinckley, MN	\$1 for small RV tires to \$40 for tires over 22".

Specific Programs to be developed:

Currently ECSWC is finding beneficial uses for tire chips as part of landfill construction. ECSWC will continue to examine new uses for waste tires.

Costs for recycling tires are increasing. A new rate chart will be implemented in 2016 increasing the cost of truck, tractor, and equipment tires significantly. It is expected that a tractor tire will cost \$100 for recycling.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimated Budget: \$12,000. The ECSWC charges \$3 per auto tire, the cost of disposal at First State Tire is estimated to continue to be under \$2.00. There is no additional cost for transportation since First State Tire from East Bethel picks up the tires at the three ECSWC locations.

Schedule of Implementation:

The aforementioned programs and budget will be implemented throughout the ten-year planning period.

10. Major Appliance Management

Goal: The goal of future initiatives of the five (5) counties will be to continue to ensure through education and program development that adequate opportunities are available to meet the appliance disposal needs of resident within the five counties.

Minnesota Law (Minnesota Statute 115A.9561) prohibits the disposal of appliances in MSW, on land or in a solid waste processing facility. This law became effective July 1, 1990. The law further requires that the County provide residents with an opportunity to recycle used appliances. Programs have been designed to support and insure compliance with State laws regarding major appliance disposal.

Major Appliance is defined as clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, freezers, dehumidifiers.

Chisago County

Policies and Goals:

The County established its policies and goals regarding major appliances in the 1993 Solid Waste Plan Update and in accordance with Minnesota Statute.

Existing Appliance Recycling Programs:

Chisago County currently subsidizes the cost (\$5.00/appliance) of recycling resident's appliances at the following facilities:

Table 3-17

Name	Address	Phone
Evergreen Recycling	53427 Forest Blvd, Rush City, MN	320-358-3988
Recycling for Wildlife	42775 Forest Blvd, Harris, MN	651-674-7268
E-Cycling Solutions	10544 Liberty Lane, Chisago, MN	651-815-0423
SRC, Inc.	East Viking Blvd, Wyoming, MN	651-462-5298
Steel Chick	Pick-up only	651-269-6412
ECSWC Transfer Station	4194 Hwy 95, Cambridge, MN	763-689-4056

Appliance Recycling Program Fees

	w/o	w/	ammonia	
Evergreen	\$2	\$5	\$100	
Recycling for Wildlife	\$10	\$10	N/A	
E-Cycling	\$10	\$10	N/A	
SRC	\$15	\$20	\$25 /	
Steel Chick	Free	Free	Free	
ECSWC	\$10	\$10	\$75	

In 2012, Chisago County recycled 324 tons of used appliances representing 29 percent of the total problem material tonnage collected that year.

Specific Programs to be developed:

The county intends to maintain its current program throughout the 10-year planning period: continue to promote proper handling, management and disposal of major appliances through a coordinated educational campaign; offer disposal and recycling at affordable rates to encourage proper disposal; and support community efforts to clean up improperly managed appliances.

Responsible Persan:

Chisago County Environmental Services

39649 Grand Avenue, North Branch, MN 55056

Telephone 651-213-8920

www.chisagocounty.us

Estimated Program Budget: \$15,385

Staffing costs and disposal costs are supported through user fees and Solid Waste

Management Fee.

Schedule of Implementation: The aforementioned programs will be implemented throughout the ten-year planning period.

Isanti County

Policies and Goals:

The County established its policies and goals regarding major appliances in the 1993 Solid Waste Plan Update and in accordance with Minnesota Statute.

Existing Programs:

The East Central Solid Waste Commission Transfer Station in Cambridge accepts appliances for a fee of ten dollars (\$10).

In 2012, Isanti County recycled 674 tons of used appliances representing 59 percent of all problem materials collected during that year.

Specific Programs to be developed:

- The County intends to maintain its current major appliance program throughout the planning period.
- Continue to promote proper handling, management and disposal of major appliances through a coordinated educational campaign.
- Offer disposal and recycling at affordable rates to encourage proper disposal. Support community efforts to clean up improperly managed appliances.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$775

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Kanabec County

Policies and Goals: It is the goal and policy of the Commissioners to maintain this program in the most cost efficient manner possible and consistent with Minnesota Statute and Rules.

Existing Appliance Recycling Programs: In accordance with County policy all major appliances are accepted at the ECSWC landfill for a unit fee of ten dollars (\$10). The County has and will continue to sponsor an annual appliance clean-up event.

In 2012, Kanabec County recycled 27 tons of used appliances representing 24 percent of all problem material tonnage collected that year.

Specific Programs to be developed:

- The county intends to maintain its current major appliance program throughout the planning period.
- Continue to promote proper handling, management and disposal of major appliances through a coordinated educational campaign.

 Offer disposal and recycling at affordable rates to encourage proper disposal. Support community efforts to clean up improperly managed appliances.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$816

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: It is the policy of the Mille Lacs County Board of Commissioners that all major appliances are managed in accordance with Minnesota Statute and Rules. It is the goal of the Commissioners to support County staff with the continued education of all residents in the proper disposal of major appliances. This is affected through public service announcements, newspaper advertising and pamphlets.

County Land Services staff coordinates with representatives from the Minnesota Pollution Control Agency to ensure that appliances are recycled or disposed of in a manner consistent with statute and rules and that appropriate licenses and disposal techniques are in place.

In 2012, Mille Lacs County recycled 9 tons of used appliances representing 15 percent of all problem material tonnage collected that year.

Existing Appliance Recycling Programs:

- ✓ In accordance with County policy all major appliances are accepted for a fee at ECSWC, Mora approximately 16 miles east of Milaca on Highway 23. The typical charge for a major household appliance is \$10.00.
- ✓ The Land Services Office operates an annual clean-up day that provides an
 opportunity for residents to dispose of major appliances. The clean-up day is held in
 Milaca. Milaca Metal & Iron will accept appliances for recycle. The typical charge for
 a major household appliance is \$10.00.
- ✓ Several townships and cities hold annual clean-up events within Mille Lacs County: the Cities of Wahkon, Princeton, Foreston, Bock, Pease, Onamia and Milaca; the Townships of Baldwin and Greenbush. Charges at city clean-up events vary from city to city and from year to year. These events are open to city residents only, and proof of residency must be established before people are able to participate in the event.
- ✓ Businesses selling appliances within the County accept old appliances for recycling. Private haulers and hardware stores offer disposal of major appliances for a fee.
- ✓ Milaca Metal and Iron estimates 10% of their steel shipments are appliances. They estimate 250 ton in 2012 and 533 ton in 2013.

Specific Programs to be implemented:

- The County intends to maintain its current appliance program throughout the ten-year planning period.
- Continue to promote proper handling, management and disposal of major appliances through a coordinated educational campaign.
- Offer disposal and recycling at affordable rates to encourage proper disposal. Support community efforts to clean up improperly managed appliances.
- Implement an annual recycling survey to determine the amount and type of materials collected within the County for recycling each year.

Responsible Person:

Mille Lacs County Environmental Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$500

Schedule of implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Pine County

Policies and Gools: It is the policy of the Pine County Board of Commissioners that all major appliances are managed in accordance with Minnesota Statute and Rules. It is the goal of the Commissioners to support County staff with the continued education of all residents in the proper disposal of major appliances. This is affected through public service announcements, newspaper advertising and pamphlets.

Existing Appliance Recycling Programs:

In accordance with County policy, all major appliances are accepted at the ECSWC Hinckley transfer station located 1 block from Interstate 35 on County Road 61 going east. The typical charge for a major household appliance is \$10.00.

- Private haulers and hardware stores offer disposal of major appliances for a fee.
- The City of Hinckley and Pokegama Township hold annual appliance collections.

In 2012, Pine County recycled 68 tons of used appliances representing 3 percent of all problem material tonnage collected that year.

Specific Programs to be developed:

- The County intends to maintain its current major appliance program throughout the 10- year planning period.
- Continue to promote proper handling, management, and disposal of major appliances through a coordinated educational campaign.
- Support community efforts to clean up improperly managed appliances and scrap metal.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$100

Schedule of implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

East Central Solid Waste Commission

Policies and Goals: The goal is to provide appliance-recycling opportunities to the Counties and to keep all major household appliances out of the landfill.

Existing Programs: Appliances are collected at all three (3) sites belonging to the ECSWC. They are picked up by an appliance recycler and transported to the recycler's facility. ECSWC will continue this program and also will continue to work with the counties by offering our facilities for any one-day events for appliance recycling that the counties may wish to hold. (See Table 22 for a complete list of fees).

Table 3-18

Site Name	Hours	Location	Fees Charged
Cambridge	8-4:30, Mon. – Fri	4194 Hwy 95 NE	\$10
Transfer	8 – noon, Sat.	Cambridge, MN	Residential
Hinckley Transfer	8-4:00, Mon. – Fri	Highway 61, ½ mi.	\$10
Station	8 – noon, Sat.	east of I-35,	Residential
		Hinckley, MN	Appliances
Mora Landfill	8-4:30, Mon. – Fri	1756 180th Ave.	\$10
	8 – noon, Sat.	Mora, MN	Residential
			Appliances

Specific Programs to be developed: ECSWC plans to continue the existing program.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051

320-679-4930 x 10

Janelle.Troupe@gmail.com

Estimated Program Budget: \$5,000. ECSWC charges \$10 for appliances at all three facilities. Gas and ammonia refrigerators cost \$75 to recycle.

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

11. Used Oil and Anti-freeze Management

Goal: The goal is to prevent improper disposal of waste oil, oil filters, and antifreeze. Used oil includes petroleum or synthetic oil used as a lubricant, heat transfer fluid, hydraulic fluid or any similar use. Engine oil, transmission fluid, lubricating oil, hydraulic oil, gear oil, brake fluid and grease are all considered "used oil."

Used oil must be burned for energy recovery or re-refined so it can be used as virgin product. In Minnesota, most used oil is collected by haulers and taken to asphalt plants to be burned for energy. It is illegal to place used oil in the trash or in or on land or water – including use as a dust suppressant.

Minnesota State law prohibits disposal of oil and filters, and automotive fluids in solid waste. In 1987, legislation was passed in Minnesota requiring all retailers of motor oil to collect used oil or post signs saying where the nearest location for acceptance of used oil is found. In addition, Motor Oil Legislation was passed in Minnesota in 1997 specifically requiring the industry to ensure each County has at least one free site, in addition to any free government site. A statewide disposal ban on antifreeze in water treatment works went into effect December 31, 1996.

Used oil filters must be drained for 24 hours before storing (puncturing the filter will aid draining.) Filters don't need to be crushed unless your collector requires it. Store them in a closed, leak-proof container labeled *Used Oil Filters*. Then, transport them or send them with an oil filter collector that is licensed by the MPCA.

Chisago County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to ensure that residents are informed of used oil and oil filter disposal locations and provide information directed at the proper management of the same.

Existing Programs:

Table 3-19
Chisago County Oil and Anti-Freeze Management Locations

Business	Location	Materials Collected	Fees
Mally Carley O. Carra	ria data a	Oil	Free
Wally Carlson & Sons	Lindstrom	Oil Filters	\$1
Daniela Canana	M/manalum	Oil	Free
Berry's Garage	Wyoming	Oil Filters	\$1
Olean Fuel	Namb Duanah	Oil	Free
Olson Fuel	North Branch	Oil Filters	Free
SRC Inc.	Wyoming	Oil	Free
SKC IIIC.	(route only)		19 1 2
Terry's Disposal	North Branch	Oil	Free
Terry's Disposal	NOTHI BIAIICH		
Steve's Radiator	North Branch	Oil	Free
Steve's Radiator	North Branch		
Chisago Co. HHWF	North Branch	Oil	Free
	NOTHI DIAIRCI	Oil Filters	Free

Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles informing residents and businesses of proper disposal and sites.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: Until 2014 Chisago County was paid for used oil depending on the commodities market; used oil is currently picked up at no charge. Anti-freeze recycling budget is \$200 per year.

Schedule of Implementation: Over the next ten years the County intends to maintain its existing collection program for used oil, filters and vehicle fluids.

Isanti County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to ensure that residents are informed of used oil and oil filter disposal locations and provide information directed at the proper management of the same.

Existing Programs: The County provides telephone assistance and guidance for management of used oil and oil filters. Collection and disposal of used oil and oil filters are usually managed by the private sector. The Minnesota Pollution Control Agency has an industry contact list of businesses managing used oil and oil filters which is provided to residents and businesses upon request and as part of the waste reduction education process.

The County will continue to provide educational material and information through PSA's and newspaper articles.

Table 3-20
Isanti County Oil and Anti-Freeze Management Locations

Business	Location	Materials Collected	Fees
Braham Motor Service, Inc.	Braham	Oil	Free
		Oil Filters	\$1
Checker Auto Parts	Cambridge	Oil	Free
		(5 gal. per month)	
John Hirsch's	Cambridge	Oil	Free
Cambridge Motor		Oil Filters	Free
East Bradford Garage, Inc.	Isanti	Oil	Free
		Oil Filters	\$0.50
East Bradford Garage, Inc.	Cambridge	Oil	Free
		Oil Filters	\$0.23
		Anti-Freeze	Free

Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles informing residents and businesses of proper disposal and sites.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$500

Schedule of Implementation: Over the next ten years the County intends to maintain its existing collection program and budget for used oil, filters and vehicle fluids.

Kanabec County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to maintain this program in the most cost efficient way possible and consistent with Minnesota Statute and Rules.

Existing Programs: The County provides telephone assistance and guidance for management of used oil and oil filters. Collection and disposal of used oil and oil filters are generally managed by the private sector. The Minnesota Pollution Control Agency has an industry contact list of businesses managing used oil and oil filters.

The County will continue to provide educational material and information through PSA's and newspaper articles.

The following table illustrates those businesses that provide oil/oil filter recycling and the respective charges.

Table 3-21
Kanabec County Oil and Anti-Freeze Management Locations

Business	Location	Materials Collected	Fees
Arthur Township	Mora	Oil	Free
		Oil Filters	Free
		Anti-Freeze	Free
	Mora	Oil	Free
Federate Coops		Oil Filters	\$1
		Anti-Freeze	\$1.50/Gallon
	Mora	Oil	Free
Tinker & Larson, Inc.		Oil Filters	\$1
		Anti-Freeze	Free
	Mora	Oil	Free
Mora Motors		Oil Filters	\$1
		Anti-Freeze	\$0.50/Gallon

In 2012, Kanabec County collected for recycling 33 tons of used oil and filters representing 28% of all problem material tonnage collected that year.

Specific Programs to be developed: The County will continue to provide educational material and information through the use of pamphlets and newspaper articles informing residents and businesses of proper disposal and sites.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$100

Schedule of Implementation: Over the next ten years the County intends to maintain its existing collection program for used oil, filters and vehicle fluids.

Mille Lacs County

Policies and Goals: Policies and goals for management of used oil and oil filters are in compliance with Minnesota Statute and Minnesota Rules. It remains the goal of the Mille Lacs County Board of Commissioners to encourage business to offer waste oil and oil filter disposal options for all residents and to provide educational materials for proper management and disposal of waste oil and filters.

Existing Programs:

- The current operator of the Milaca recycling site is J. VanderPoel Inc. J. VanderPoel has contracted with a provider to accept used oil and oil filters. Estimated 2012 2013 amounts are 5,750 gallons recycled and an additional 3,850 gallons collected and used for heating.
- The County provides telephone assistance and guidance for management of used oil and oil filters. The County Highway Department collects the County's waste oil for incineration in an approved incinerator to heat the shop area. Collection and disposal of used oil and oil filters are generally managed by the private sector. Generally, waste oil is collected by licensed waste oil haulers for processing as fuel.
- Oil is accepted during the Household Hazardous Waste pick-up which occurs twice each year within the county. Events occur annually in Milaca and at the county's highway maintenance facility near Wahkon.

Table 3-22
Mille Lacs County Oil and Anti-Freeze Management Locations

Business	Location	Materials Collected	Fees
Jim Mille Lacs Disposal	Milaca	Oil & Oil Filters	Oil - Free
			Filters - \$1
North Star Garage, Inc.	Milaca	Oil & Oil Filters	Oil - Free
			Filters - \$0.50 - \$1
Johnson Oil Company	Milaca	Oil & Oil Filters	Oil - Free
			Filters - Free
Hy-Tech Automotive	Princeton	Oil & Oil Filters	Oil - Free
			Filters - \$0.75
Princeton Auto	Princeton	Oil & Oil Filters	Oil - Free
Center, Inc.			Filters - \$0.50
Rum River	Princeton	Oil & Oil Filters	Oil - Free
Automotive, Inc.			Filters - \$1
Central Rivers	Princeton	Rivers Oil 8 Oil Filters	Oil - Free
Cooperative		Oil & Oil Filters	Filters - \$1

Specific Programs to be developed: The County will continue to provide educational material and information through PSA's and newspaper articles. Explore the option of a third party contractor managing drop-off sites and implement an improved reporting system to track and record the amount of these materials captured.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$1,000

Schedule of Implementation: Over the next ten years the County intends to maintain its existing collection program and budget for used oil, filters and vehicle fluids. A process of surveying and updating businesses providing disposal service will be developed.

Pine County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to maintain this program in the most cost efficient way possible and consistent with Minnesota Statute and Rules.

Existing Programs: The County provides telephone assistance and guidance for management of used oil and oil filters. Collection and disposal of used oil and oil filters are generally managed by the private sector at automobile service stations. The Minnesota Pollution Control Agency maintains an industry contact list of businesses managing used oil and oil filters.

In 2012, Pine County collected 44 tons of used oil and filters representing 2 percent of all problem materials collected in that year.

Specific Programs to be developed: The County will continue to provide educational material and information through PSA's and newspaper articles, and offer telephone and in-person assistance for proper management of oil.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: None

Schedule of Implementation: Over the next ten years the County intends to maintain its existing education and technical assistance programs for used oil, filters and vehicle fluids. An ongoing current updated list of oil recyclers will be developed and updated as necessary.

East Central Solid Waste Commission

ECSWC provides phone assistance to residents about businesses that collect oil, filters, and antifreeze for proper disposal and reporting assistance as the Regional Program Manager.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimated Program Budget: No additional cost

Estimated Frogram Budget. No additional cost

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

12. Household Hazardous Waste Management

Goal: The goal of the Regional Household Hazardous Waste (HHW) program is to provide environmentally sound and safe management options for hazardous waste and to encourage, to the extent feasible, reuse, recycling, or safe home disposal of hazardous waste. The five counties have chosen to have ECSWC be the sponsoring organization to establish procedures for reporting and act as a liaison between the County and the State for Household Hazardous Waste (HHW) Programs according to the guidelines and procedures established by the Minnesota Pollution Control Agency.

Each of the counties is responsible for determining the best alternative for their County to handle HHW.

Chisago County built a facility in 2000 to accept HHW through a State of Minnesota \$110,000 CAP grant. Isanti County, through a voucher system, has used the Chisago County Facility to dispose of their waste since 2003. The other counties have continued to hold HHW collection events at a location within their respective County.

The Architectural Paint Product Stewardship law was passed in 2013 by the MN Legislature, and the program launched in November of 2014. The law required the paint industry to set up a program to manage and pay for the recycling of waste architectural paint throughout the state. PaintCare Inc. was created by the American Coatings Association as a non-profit 501(c) (3) organization to conduct the program. The transportation and disposal/recycling costs for architectural paint collected by the 5-counties of the ECSWC through ongoing HHW programs and events, will now be reimbursed by PaintCare. Paint typically accounts for half of the disposal costs associated with Household Hazardous Waste collections, and so the counties should see disposal costs decrease.

Chisago County

Policies and Goals: The goals of the program are to remove all hazardous materials from the waste stream and to ensure that they are properly managed; to maximize reuse and recycling of the collected materials; and to achieve source reduction by educating the public about Household Hazardous Waste issues.

Existing Household Hazardous Waste Management Programs:

- Unwanted household chemicals may be brought to the Chisago County Household Hazardous Waste Facility for free disposal. The program is open to residents of Chisago County and is funded by the Chisago County Waste Management Fee. To participate in the program, residents need to bring proof of County residency.
- The Chisago County Household Hazardous Waste (HHW) Facility is open for Chisago County residential hazardous waste on Mondays not including holidays from 12:00-7:00 p.m. The facility is also open on the last Saturday of each month from 9:00 a.m.-1:00 p.m. The building is located in the North Branch Industrial Park at 39649 Grand Ave. Items accepted at the Chisago County Household Hazardous Waste Collection Facility include automotive/petroleum products, building products, household cleaners, pesticides and other chemicals. Call 651-213-8920 for further information.
- The Chisago County Board passed a resolution authorizing residents from non-contracted counties (e.g. Pine, Kanabec and Mille Lacs) to bring HHW to Chisago County HHW facility for a minimum fee of \$70 to be paid by the individual. If the waste delivered costs more than \$65 to dispose of, the individual would also be responsible for the excess amount. Call 651-213-8920 for further information.
- The Chisago County HHWF accepts sharps (needles and syringes) from the public.
- In 2012, Chisago County collected 40 tons of HHW representing 4 percent of all problem materials collected that year.

Specific Programs to be developed: The County intends to maintain its current household hazardous waste program and will look for ways to better ways to educate its residents about purchasing in smaller quantities and using less toxic alternatives.

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056 Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$86,000

Schedule of Implementation: The aforementioned programs and budget will be

implemented though out the ten-year planning period.

Isanti County

Policies and Goals: The goals of the program are to remove all hazardous materials from the waste stream and to ensure that they are properly managed; to maximize reuse and recycling of the collected materials; and to achieve source reduction by educating the public about Household Hazardous Waste issues.

Existing Household Hazardous Waste Management Programs: Isanti County has partnered with Chisago County for Household Hazardous Waste Collection since 2003. Isanti County residents utilize the Chisago County HHW drop off site in North Branch through a voucher system. Isanti County reimburses Chisago County at \$70.00 per voucher. This system has worked well for Isanti County and it expects to continue with this arrangement. It provides year round and on demand disposal at a reasonable rate. In 2012 Isanti County collected 8 tons of HHW.

Specific Programs to be developed: The County intends to maintain its current household hazardous waste program throughout the 10-year planning period.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$8,190

Schedule of Implementation: The County intends to maintain its current household hazardous waste program and budget over the next ten years.

Kanabec County

Policies and Goals: The goals of the program are to remove all hazardous materials from the waste stream and to ensure that they are properly managed; to maximize reuse and recycling of the collected materials; and to achieve source reduction by educating the public about household hazardous waste issues.

Existing Household Hazardaus Waste Management Programs: Kanabec County holds a Household Hazardous Waste Collection event, hosted by ECSWC, annually. Participation in the HHW Collection event has been around 20 households from 2008 – 2013. The County does require residents to sign up for the event in advance showing approximately quantities and kinds of materials to be disposed of.

In 2012, Kanabec County collected 2 tons of HHW representing one percent of all problem materials collected that year.

Specific Programs to be developed: The County intends to maintain its current household hazardous waste program throughout the 10-year planning period.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$3,043

Schedule of Implementation: The County intends to maintain its current household hazardous waste program and budget.

Mille Lacs County

Policies and Goals: The goals of the program are to remove all hazardous materials from the waste stream and to ensure that they are properly managed; to maximize reuse and recycling of the collected materials; and to achieve source reduction by educating the public about Household Hazardous Waste issues.

Existing Household Hazardous Waste Management Programs: Mille Lacs County holds two (2) Household Hazardous Waste Collection events annually in Milaca and at the county's highway maintenance facility near Wahkon.

In 2012, Mille Lacs County collected 7 tons of HHW representing 11 percent of all problem materials collected during the year.

Specific Programs to be developed: The County plans to continue to contract for services with Stearns County or another licensed facility throughout the ten-year planning period.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$23,444

Schedule of Implementation: The County intends to maintain its current household hazardous waste program and budget over the next ten years.

Pine County

Policies and Goals: The goals of the program are to remove all hazardous materials from the waste stream and to ensure that they are properly managed; to maximize reuse and recycling of the collected materials; and to achieve source reduction by educating the public about Household Hazardous Waste issues.

Existing Household Hazardous Waste Management Programs: Pine County's recent policy has been to advise the public that the following is the appropriate management hierarchy: avoid purchase, waste exchange with neighbor, manage HHW to remove the hazard, then landfill, finally seek management by professional waste management companies. However Pine County does hold two (2) HHW events free of charge for residents. Pine County entered into a contract with the Minnesota Department of Agriculture in 2013 to provide reimbursement of the pesticide collections which will help the bottom line of the HHW events

In 2012, Pine County collected 2 tons of HHW.

Specific Programs to be developed: Pine County will investigate more cost effective options including evaluation of participating in regional household hazardous waste programs beyond the five county ECSWC, including possible contracts with Chisago County and Carlton County. These contracts could include a voucher system that would be cost effective and beneficial to Pine County since it wouldn't be limited to just two (2) days.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$8,081

Schedule of Implementation: The County intends to explore a voucher arrangement with Chisago County and Carlton County.

East Central Solid Waste Commission

The five counties chose ECSWC to be the Sponsoring Organization to establish procedures for reporting and act as a liaison between the county and the State for HHW Programs including the new PaintCare program according to the guidelines and procedures established by the Minnesota Pollution Control Agency.

Responsible Person:

Janelle Troupe, Executive Director

PO Box 29

Mora MN 55051

320-679-4930 x 10

Janelle Troupe@gmail.com

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Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

13. Battery Management

Minnesota law established a five-dollar refundable surcharge when a motor vehicle battery is purchased. The law also requires motor vehicle battery retailers to accept up to five (5) motor vehicle batteries free of charge, whether or not the consumer is making a purchase. When a new battery is purchased, the customer may avoid the surcharge by turning in a used motor vehicle battery.

Goal: The goal is to encourage proper disposal of motor vehicle batteries and household batteries and to ensure that citizens are educated about proper disposal of batteries.

Chisago County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to ensure that residents are informed of battery disposal locations and provide information directed at the proper management of the same.

Existing Programs:

- When requests for automotive battery disposals arise, referrals are made to area retailers – car parts, businesses and other retailers that sell automotive batteries.
- All alkaline and rechargeable batteries, including those from handheld tools, are accepted for disposal at the Chisago County HHW Facility.
- Button batteries are accepted for disposal at the Chisago County HHW Facility, the County Senior Centers, and at many retail stores.

In 2012, Chisago County collected 331 tons of vehicle batteries representing 30 percent of all problem materials collected in the year.

Specific Programs to be developed: The County intends to maintain its current waste battery program throughout the 10-year planning period.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$1,000

Schedule of Implementation: Over the next ten years the County intends to maintain its existing battery collection and education program.

Isanti County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to ensure that residents are informed of battery disposal locations and provide information directed at the proper management of the same.

Existing Programs

- The County will continue to promote the return of batteries to the retailer.
- The County provides educational material and information through PSA's and newspaper articles.
- The County will accept prohibited batteries through the use of the Household Hazardous Waste Program.
- · Clarence's Recycling and Lind Recycling accept car batteries.

In 2012, Isanti County collected 235 tons of vehicle batteries representing 21 percent of all problem materials collected in the year.

Specific Programs to be developed: The County intends to maintain its current waste battery program throughout the 10-year planning period.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$100

Schedule of Implementation: Over the next ten years the County intends to maintain its existing battery collection and education program.

Kanabec County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to maintain this program in the most cost efficient way possible and consistent with Minnesota Statute and Rules.

Existing Programs:

- The County provides telephone assistance and guidance for management of batteries.
- Batteries are collected during the Kanabec County Clean-up Day event and HHW.
- Arthur Township recycling center accepts batteries
- ECSWC accepts batteries for recycling

In 2012, Kanabec County collected 4 tons of vehicle batteries representing 3 percent of all problem materials collected that year.

Specific Programs to be developed: The County intends to maintain its current waste battery program throughout the planning period.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$100

Schedule of Implementation: Over the next ten years the County intends to maintain its existing battery collection and education program.

Mille Lacs County

Policies and Goals: It is the policy and goal of the Mille Lacs County Board of Commissioners to ensure that waste batteries are managed in a manner consistent with statute and rules and to provide educational opportunities to all residents for the same.

Existing Programs:

- Dealers and service stations recycle lead acid batteries.
- Other banned batteries are accepted through the Household Hazardous Waste
- Collection events held twice annually rotated throughout the County.
- Dry cell batteries are recycled by some retailers who provide a collection point for button batteries.
- Jim's Mille Lacs Disposal located in Milaca accepts car batteries.
- Milaca Iron & Metal

In 2012, Mille Lacs County did not implement an effort to contact businesses to determine the number and tonnage of vehicle batteries collected during the year.

Specific Programs to be developed: The County intends to do a concerted effort going forward to collect information on the number of batteries recycled by local businesses.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$500

Schedule of Implementation: Over the next ten years the County intends to maintain its existing battery collection and education program and budget.

Pine County

Policies and Goals: It is the goal and policy of the County Board of Commissioners to maintain this program in the most cost efficient way possible and consistent with Minnesota Statute and Rules.

Existing Pragroms:

- Many dealers and service stations recycle lead acid batteries
- Rechargeable batteries are recycled by some retailers.
- Other banned batteries are accepted through the Household Hazardous Waste program in Chisago County.

In 2012, Pine County collected 2,430 tons of vehicle batteries representing 91 percent of all problem materials collected in that year. Generally, the County collects anywhere from 174 to 183 tons of vehicle batteries per year but in this extreme case the business was liquidating all inventory.

Specific Programs to be developed: The County intends to support the current waste battery program throughout the 10-year planning period and implement alternative management as results from development of the County Solid Waste Management Plan. In particular a more comprehensive public education and services, location, best management practices campaign will be implemented.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$100

Schedule of Implementation: Over the next ten years the County intends to maintain this, or revise depending on the outcome of the County solid Waste Management Plan, a battery management and education program.

East Central Solid Waste Commission

ECSWC provides direction as to where to properly dispose of batteries. ECSWC does accept batteries at the Mora Landfill site and gets paid for them.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.

0 x 10 <u>Janelle.Troupe@gmail.com</u>

Estimated Program Budget: No additional cost

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

14. Construction and Demolition Debris Management Chisago County

Policies and Goals: The goal of the County is to minimize the amount of demolition and construction debris requiring land disposal through education and facility management.

Existing Programs: Demolition debris generation and disposal varies with construction and demolition activity and weather related cleanup.

In 2012, the County sent 39,696 tons of construction and demolition (C&D) waste to the DKV Landfill in Rush City.

There are few sites within the 5-county area listed below that accept demolition debris. Demolition may be hauled to neighboring counties.

- DKV (Demolition Landfill) Rush City
- SRC (Transfer Station) Wyoming
- ECSWC Mora

Specific Programs to be developed: Three Chisago County Environmental Services staff visited the Green Institute in Minneapolis in 2004 to look at options for construction and demolition materials recycling. No developments to date but discussion continue.

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056 Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: Chisago County has no budget for C&D management

Schedule of implementation: The County expects no changes to this policy during the 10-year planning period.

Isanti County

Policies and Goals: The goal of the County is to minimize the amount of demolition and construction debris requiring land disposal through education and facility management.

Existing Programs: There are no publicly or privately owned demolition debris land disposal sites in Isanti County. The County coordinates with the Minnesota Pollution Control Agency regarding a limited number of permit-by-rule demolition debris sites.

- The county provides information fact sheets to residents with types of material acceptable and telephone numbers to call for residents requiring more information.
- Residents and businesses have utilized the ECSWC for both self-haul of demolition debris
 and by contractor. Approximately 435 tons of demolition waste is disposed of at ECSWC and
 6,522 tons of demolition debris goes to DKV in Rush City annually from Isanti County.

Specific Programs to be developed: There are no expected changes to this program.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$100

Schedule of Implementation: The County expects no changes to this policy during the 10-year planning period.

Kanabec County

Policies and Gools: The goal of the County is to minimize the amount of demolition and construction debris requiring land disposal through education and facility management.

Existing Demolition and Construction Debris Management Programs: Demolition debris is accepted in the ECSWC demolition landfill.

Residents and businesses have utilized the ECSWC for both self-haul of demolition debris and by contractor. Approximately 17,812 tons of demolition waste is disposed of at ECSWC.

Specific Programs to be developed: County will continue to direct residents to ECSWC demolition landfill for disposal of their demolition debris.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Progrom Budget: \$100

Schedule of Implementation: The County expects no changes during the 10-year planning period.

Mille Lacs County

Policies and Goals: The goal of the Mille Lacs County Board of Commissioners is to minimize the amount of demolition and construction debris requiring land disposal through education and facility management.

Existing Demolition and Construction Debris Management Programs: There are no demolition landfills in Mille Lacs County. Demolition waste can be disposed of at the ECSWC demolition landfill for \$10 per yard plus .60 SWM Tax. However, Elk River is the site mostly likely used by residents for demolition debris disposal. Residents and businesses have the opportunity to self-haul demo debris to both the ECSWC and the Elk River landfill. It is estimated that 1,680 yards of demolition debris are disposed of the at Elk River demolition landfill. The answering machine recorded cost of disposing of demolition at the Elk River landfill is \$75 per ton.

Residents are directed to the ECSWC Landfill in Mora to properly dispose of demolition and construction debris.

Specific Programs to be developed: Provide phone information concerning the ECSWC demolition landfill location, hours, and cost.

Responsible Person

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353

Telephone 320-983-8308

www.co.mille-lacs.mn.us

Estimated Program Budget: \$250

Schedule of Implementation: The County expects no changes to this program or budget during the 10-year planning period.

Pine County

Policies and Gools: The goal of the County is to minimize the amount of demolition and construction debris requiring land disposal through education and facility management.

Existing Demolition and Construction Debris Management Programs: There are no publicly or privately owned demolition debris land disposal sites in Pine County. Demolition material from Pine County is hauled to the ECSWC demolition landfill or DKV in Rush City for disposal. It is estimated that 300 yards are disposed of at ECSWC demolition landfill and approximately 600 yards are disposed of at DKV in Rush City. Smaller loads of demolition may be disposed at the Hinckley Transfer Station, direct hauled to the Mora Landfill or disposed of in Chisago County, Carlton County, Aitkin County and likely Wisconsin. The County coordinates with the Minnesota Pollution Control Agency regarding permit-by-rule demolition debris sites. Pine County routinely discourages on-site disposal due to surface waters, soils and hydrogeologic concerns.

The County provides information fact sheets to residents with types of material acceptable and telephone numbers to call for residents requiring more information and how to properly manage demolition material. Several licensed solid waste haulers provide demolition transportation services. Adequate private capacity exists to respond to demolition transport requests.

Specific Programs to be developed: There are no specific changes to this program anticipated, pending routine, ongoing planning discussions and program evaluations.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimoted Program Budget: Pine County has no budget for this program

Schedule of Implementation: The County expects no changes to this program during the 10-year planning period, unless alternative management results from continued discussions relative to solid waste management and ongoing program evaluations.

East Central Solid Waste Commission

Existing Demolition and Construction Debris Management Programs: The C&D Landfill was developed as a Class I disposal area north of the MSW Landfill through a major permit modification to SW-17 in 2007. The permitted capacity for the C&D Landfill is 40,000 cubic yards granted in the permit dated November 2, 2007. Based on the 2012 Annual Report for the Landfill, it is estimated that 15,500 CY of permitted C&D disposal fill remain for the site. The current C&D landfill annual airspace usage (encompassing cover soils and C&D waste) of 5,300 CY shows the Landfill will be out of capacity in 2015.

Schedule of Implementation: The C&D Landfill is developed to provide fill for the establishment of the MSW Landfill northern subgrade slopes. A minimum of 10 feet of soil cover is placed between the C&D fill material and the designed subgrade of the MSW Landfill. To prepare for an upcoming MSW landfill expansion ECSWC will adjust the C&D fill boundary. The ECSWC will need to place an estimated 64,180 CY of material within the proposed C&D expansion area. The demolition permit expires in July 2015 and will be submitted along with the SW-17 permit in December 2014. Remaining capacity will not exceed 38,500 CY through July 2015. At that time a new permit with new capacity will be provided.

Responsible Person:

Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimated Program Budget: \$20,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

15. Solid Waste Ordinance(s) and Licensing

Goal: The goal is to develop and maintain a system of rules and procedures for waste management, which will insure proper management, and disposal of waste materials. See County Ordinances Appendix I through M.

Chisago County

Policies and Goals: It is the goal and policy of the Chisago County Board of Commissioners to maintain this program in the most cost efficient manner possible and consistent with Minnesota Statute and Rules.

Existing Programs: The current revised solid waste ordinance was adopted in 2008. The County based the new solid waste ordinance on the Model Solid Waste Ordinance developed by the State of Minnesota in cooperation with the SWAA. The existing ordinance provides terms for the proper management and disposal of all solid waste within the County and is used as a means for enforcement. The solid waste ordinance is available at the Environmental Services Department. There are no problems associated with implementing and enforcing the County's Solid Waste Ordinance.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimate Program Budget: \$1,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

Isanti County

Policies and Goals: It is the policy and goal of the Isanti County Board of Commissioners to maintain this program in the most cost efficient manner possible and consistent with Minnesota Statute and Rules.

Existing Programs: The Solid Waste Ordinance was established in January 1991 and has not been updated. The existing ordinance provides terms for the proper management and disposal of all solid waste within the County and is used as a means for enforcement. (See Appendix J). There are no problems associated with implementing and enforcing the County's Solid Waste Ordinance.

Specific Programs to be developed: The Commissioners and the Environmental Services Officer will update the County's Solid Waste Ordinance to reflect any changes in statute and rules and the needs of the County.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$3,300

Schedule of Implementation: As the plan is amended to respond to changing solid waste management concerns, the solid waste ordinance will be evaluated and a determination made if any changes are required in the ordinance. Budget will remain throughout the ten-year planning period.

Kanabec County

Policies and Goals: It is the goal and policy of the Kanabec County Board of Commissioners to maintain this program in the most cost efficient manner possible and consistent with Minnesota Statute and Rules.

Existing Programs: The Solid Waste Ordinance was established in August 1990. This ordinance was reviewed in 1999 and the appropriate amendments were made to it. This ordinance provides terms for the proper management and disposal of all solid waste within the County is used as a means of enforcement. This ordinance is provided in Appendix K.

Specific Programs to be developed: The Commissioners and the Solid Waste Officer will update the solid waste ordinance to reflect any changes in statute or rules as required.

Responsible Person:
Kanabec County Environmental Services
903 Forest Avenue East, Mora, MN 55051
Telephone 320-679-6456

Estimated Program Budget: \$1,000

Schedule of Implementation: As the plan is amended to respond to changing solid waste management concerns, the solid waste ordinance will be evaluated and a determination made if any changes are required in the ordinance. Budget will remain throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: It is the policy and goal of the Mille Lacs County Board of Commissioners to support solid waste staff with the enforcement of the solid waste ordinance and in the event changes to the ordinance are needed.

Existing Programs: The solid waste ordinance was established in 1990; amendments to this ordinance were made in 1999. This ordinance provides terms for the proper management and disposal of all solid waste within the County and is used as a means of enforcement (Appendix L.)

Specific Programs to be developed: The County Board of Commissioners anticipates continued examination of the ordinance and development of amendments that reflect the public entities law. Two staff hold Operator's Certifications which require annual training.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353 Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$1,000

Schedule of implementation: As the plan is amended to respond to changing solid waste management concerns, the solid waste ordinance will also be amended as necessary. The budget will be continued throughout the ten-year planning period.

Pine County

Policies ond Goals: It is the policy and goal of Pine County to maintain programs in the most cost efficient manner possible and in a manner consistent with Minnesota statute and rules. Improvements to the County Solid Waste Ordinance have been recommended since budget year 2000. In 2005, the County attempted to update the County Solid Waste Management Ordinance, however it was unsuccessful.

Existing Programs: The current Pine County Solid Waste Ordinance was adopted in 1991. This ordinance provides terms for the proper management and disposal of all solid waste within the County, and provides for review and licensing procedures for the broad range of solid waste management facilities. This ordinance has limited used as a means for enforcement.

Specific Programs to be developed:

 The Planning, Zoning and Solid Waste Department's annual Work Programs have called attention to lack of enforcement capability as well as specific language improvements to more clearly establish policy and practice concerning enforcement of solid waste violations.

Pine County's main challenge is nuisances, blight and enforcement of junkyards.
 Many townships and cities have also voiced their concern in this area.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$23,389

Schedule of Implementation: The County is currently active in the process of updating the Pine County Comprehensive Plan and that will hopefully lead to a county-wide zoning effort. This may result in changes to the Pine County Solid Waste Ordinance.

East Central Solid Waste Commission

The ECSWC will continue to provide on an as requested basis any support pertaining to the development and implementation of solid waste ordinances and or licensing of waste haulers. ECSWC provides information to the Counties when a new hauler enters their area assuring that they are licensed.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimated Program Budget: \$500

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

16. Waste Electronics Management

Policies & Goals: The goal is to eliminate all electronics from being disposed of in landfills and use electronics recycling.

Electronics are a fast growing portion of America's trash – more than 3 million tons of electronic waste is discarded in landfills annually. These electronics contain many toxic materials including lead, mercury, copper, chromium, cadmium, nickel and zinc. Recycling helps insure these hazardous materials are kept out of landfills.

Nearly 250 million computers will became obsolete from 2005 to 2010. Mobile phones were discarded at a rate of 130 million per year by 2005 resulting in 65,000 tons of waste containing lead and brominated flame-retardants. TVs and computers can contain an average of 4 pounds of lead as well as other toxins like chromium, cadmium, mercury, nickel, zinc and flame-retardants. Under

state environmental laws, CRTs and monitors were banned from landfills beginning in July 2006. However, the ECSWC banned CRT's in July 2005.

Chisago County

Policies and Goals: The goal is to eliminate all electronics from being disposed in landfills and using mainly electronics recycling, but also encouraging alternatives such as leasing equipment, avoiding "gadgets", buying durable products, repairing or upgrading equipment, and dealer take-back.

Existing Programs: Chisago County currently subsidizes the cost of recycling resident's electronics, and the price to residents depends on the item and the facility. Recycling Locations:

- E Cycling Solutions, 10544 Liberty Lane, Chisago City, MN
- Evergreen Recycling, LLC, 53427 Forest Boulevard, Rush City, MN
- Recycling for Wildlife, 42775 Forest Blvd, Harris, MN
- SRC, Inc., 6320 East Viking Boulevard, Wyoming, MN
- The Steel Chick, LLC, Pick-up service only, 10896 243rd Street, Scandia, MN

In 2012, Chisago County collected 117 tons of waste electronic representing 11 percent of all problems materials collected that year.

Specific Programs to be developed: Chisago County Environmental Services will continue to work with local businesses to offer reasonably priced electronics recycling within the County.

Responsible Person:

Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.chisagocounty.us

Estimated Program Budget: \$30,000

Schedule of implementation: The County will continue to work with the East Central Solid Waste Commission on electronic waste recycling and to encourage local haulers to offer electronic waste recycling opportunities, as well as with local private recycling businesses.

Table 3-23
Chisago County Electronics Recycling 2014

	E-Cycling	Evergreen	RFW	SRC	Steel Chick	County Subsidy
	\$8	\$11	\$10	N/A	Free	\$5
Monitor	\$5	\$10	\$5	\$11	Free	\$5
CPU	Free	Free	\$1	\$9	Free	\$1
Laptop	Free	Free	\$2	\$13	Free	\$3
	\$3	\$3	\$2	\$13	Free	\$3
Large	\$10	\$20	\$25	\$45	\$10	\$5
Non	\$3	\$5	\$2	\$7	Free	\$3
TV	\$3	\$5	\$10	\$15	Free	\$10

Isanti County

Policies and Goals: The goal is to eliminate all electronics from being disposed of in landfills and use electronics recycling.

Existing Programs: The East Central Solid Waste Commission is one of the local recyclers of electronic equipment serving the five counties that form the ECSWC (See Table 22 for a list of Fees). East Central Solid Waste Commission Recycling Locations:

- Mora Facility Minnesota Highway 23 & County Road 60
- Cambridge Transfer Station 4194 Highway 95 NE
- Hinckley Transfer Station Highway 61-½ mile east of I-35

In 2012, Isanti County collected 99 tons of waste electronic representing 9 percent of all problem materials collected that year.

Specific Programs to be developed: Electronics Recycling is done at ECSWC; the County will direct residents to the ECSWC for their recycling needs.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$775

Schedule of Implementation: The County will continue to work with the East Central Solid Waste Commission on electronic waste recycling. This budget will continue throughout the ten-year planning period.

Kanabec County

Policies and Goals: The goal is to eliminate all electronics from being disposed of in landfills and use electronics recycling.

Existing Programs: The East Central Solid Waste Commission is one of the local recyclers of electronic equipment serving the five counties that form the ECSWC (See Table 22 for a list of Fees). East Central Solid Waste Commission Recycling Locations:

- Mora Facility Minnesota Highway 23 & County Road 60
- Cambridge Transfer Station 4194 Highway 95 NE
- Hinckley Transfer Station Highway 61-½ mile east of I-35

In 2012, Kanabec County collected 16 tons of waste electronics representing 14 percent of all problem materials collected that year.

Specific Programs to be developed: Electronics Recycling is done at ECSWC; the county will direct residents to the ECSWC for their recycling needs.

Responsible Person:
Kanabec County Environmental Services
903 Forest Avenue East, Mora, MN 55051
Telephone 320-679-6456

Estimated Program Budget: The County has no budget for electronics recycling.

Schedule of Implementation: On July 1, 2005 – CRTs (cathode ray tubes) were banned from disposal at the ECSWC. These items are to be recycled. The County will continue to work with the East Central Solid Waste Commission on electronic waste recycling.

Mille Lacs County

Policies and Goals: The goal is to eliminate all electronics from being disposed of in landfills and use electronics recycling.

Existing Programs: The East Central Solid Waste Commission is one of the local recyclers of electronic equipment serving the five counties that form the ECSWC (See Table 22 for a list of Fees). East Central Solid Waste Commission Recycling Locations:

- Mora Facility Minnesota Highway 23 & County Road 60
- Cambridge Transfer Station 4194 Highway 95 NE
- Hinckley Transfer Station Highway 61-½ mile east of I-35

In 2012, Mille Lacs County collected 3 tons of waste electronics representing 5 percent of all problem materials collected that year.

Specific Programs to be developed:

- Electronics Recycling is done at ECSWC, the county will direct residents to the ECSWC for their recycling needs.
- The County conducts annual electronics recycling in conjunction with its annual HHW collections.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Program Budget: \$816

Schedule of Implementation: The County will continue to work with the East Central Solid Waste Commission on electronic waste recycling. The budget will continue throughout the ten-year planning period.

Pine County

Policies and Gaals: The goal is to eliminate all electronics from being disposed of in landfills and use electronics recycling.

Existing Programs: The East Central Solid Waste Commission is one of the local recyclers of electronic equipment serving the five counties that form the ECSWC. Recycling Locations:

- Chisago County Facility
- East Central Solid Waste Commission
- Mora Facility Minnesota Highway 23 & County Road 60
- Cambridge Transfer Station 4194 Highway 95 NE
- Hinckley Transfer Station Highway 61-½ mile east of I-35

In 2012, Pine County collected 31 tons of waste electronics representing one percent of all problem materials collected in that year.

Specific Programs to be developed: Electronics Recycling is done at ECSWC; the county will direct residents to the ECSWC for their recycling needs. The County provides a 50% subsidy for electronic recycling at the Hinckley Transfer Station.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Program Budget: \$2,216

Schedule of Implementation: The County will continue to work with the East Central Solid Waste Commission on electronic waste recycling. The budget will continue throughout the ten-year planning period.

East Central Solid Waste Commission

The East Central Solid Waste Commission is one of the local collectors of electronic equipment to be recycled serving the five counties that form the ECSWC. On July 1, 2005 – CRT electronics was banned from disposal in the ECSWC Sanitary Landfill. Recycling Locations:

- Mora Facility Minnesota Highway 23 & County Road 60
- Cambridge Transfer Station 4194 Highway 95 NE
- Hinckley Transfer Station Highway 61-½ mile east of I-35

ECSWC is working hard to encourage residents and businesses to recycle all electronics. Electronics recycling is offered at all three ECSWC locations. ECSWC will continue to educate the public on managing their electronics disposal properly and provide a program that will result in a cleaner and healthier environment. ECSWC is a registered collector with the MPCA and uses a registered recycler to pick up electronics. ECSWC discourages recycling of electronics by anyone that is not properly registered with the MPCA.

Responsible Person: Janelle Troupe, Executive Director PO Box 29 Mora MN 55051

320-679-4930 x 10 Janelle.Troupe@gmail.com

Estimated Program Budget: \$26,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

17. Solid Waste Program Staffing Chisago County

Policies and Goals: The County Board of Commissioners is committed to maintaining the necessary staffing levels to support the planned solid waste programs over the 10-year planning period.

Existing Programs:

- A Solid Waste Deputy
- A Household Hazardous Waste Facility Coordinator
- An Environmental Tech/Materials Exchange Coordinator

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056 Telephone 651-213-8920 www.co.chisago.mn.us

Estimated Program Budget: \$92,500

Schedule of Implementation: This staff time is divided between the following activities: waste reduction, recycling collection and processing, recycling administration/support staff, yard waste, waste education, household hazardous waste, score planning.

Isanti County

Policies and Goals: The County Board of Commissioners is committed to maintaining the necessary staffing levels to support the planned solid waste programs over the 10-year planning period.

Existing Programs: Staffing consists of the Solid Waste Officer and Zoning Technician and an office secretary to relay messages and provide limited telephone guidance.

Specific Programs to be developed: Staffing levels will be evaluated periodically to ensure that sufficient staff is available to meet the demands of County residents.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Program Budget: \$62, 704

Schedule of Implementation: Staff time is divided between the following activities: waste reduction, recycling collection and processing, recycling administration/support staff, yard waste, waste education, household hazardous waste, SCORE planning.

Kanabec County

Policies and Goals: It is the goal and policy of the Kanabec County Board of Commissioners to insure that solid waste disposal and waste abatement programs are appropriately funded and staffed.

Existing Programs: Staffing for solid waste related issues consists of recycling administration, Household Hazardous Waste Management, and other County support staff.

Specific Progroms to be developed: Staffing levels will be evaluated periodically to ensure that sufficient staff is available to meet the demands of County residents.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Estimated Program Budget: \$3,386

Schedule of Implementation: Staff time is divided between the following activities: waste reduction, recycling administration/support staff, household hazardous waste, and SCORE planning.

Mille Lacs County

Policies and Goals: It is the goal and policy of the Mille Lacs County Board of Commissioners to insure that solid waste disposal and waste abatement programs are appropriately funded and staffed.

Existing Programs: Staffing for solid waste related issues consists of recycling administration, Household Hazardous Waste Management and other County support staff.

Specific Programs to be developed: The Commissioners recognize that a need may exist to increase staff but must limit Department expansion due to limited financial resources. The Commissioners will assist existing staff in determining innovative methods for staffing needs.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353 Telephone 320-983-8308 www.co.mille-lacs.mn.us Estimated Program Budget: \$5,950

- .05 Source Reduction
- .2 Recycling administration/support staff
- .1 Waste Education
- .1 Household Hazardous Waste & Problem Materials
- .2 SCORE program planning and administration

Total FTE's = 0.65

Schedule of implementation: Staff - time is divided between the following activities: waste reduction, recycling administration/support staff, household hazardous waste, and SCORE planning.

Pine County

Policies and Goals: It is the goal and policy of Pine County to insure that all solid waste disposal and waste abatement programs are appropriately funded and staffed.

Existing Programs: Efforts will be maintained to allocate the following staff resources to County Solid Waste Management. These individuals have and will continue to implement County solid waste management policy and programs:

- Land Services Director
- Environmental Technician / Solid Waste Officer
- Secretary

Estimated Program Budget: \$23,389

Pine County's recycling program staffing levels are identified below. This does not reflect solid waste ordinance implementation or updating

Likewise this budget does not reflect the costs associated with continued evaluations of solid waste management and program revisions as necessary.

- .12 Source Reduction
- .2 Recycling administration/support staff
- .01 Waste Education
- .2 Household Hazardous Waste & Problem Materials
- .1 SCORE program planning and administration
- .01 Tire Management
- .01 Major Appliance
- .01 Electronics

Total FTE's = 0.65

Specific Programs to be developed: It has been recommended that additional staff will be needed to implement the updated Solid Waste Management Ordinance and manage ongoing evaluations of County programs.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us Schedule of Implementation: As this Plan is amended to respond to changing solid waste management concerns, the staffing plan will be amended as necessary.

East Central Solid Waste Commission

The East Central Solid Waste Commission employs an Executive Director, a part-time Fiscal Officer, six full-time and two part-time Heavy Equipment Operators, one full-time and seven part-time scale operators and a part-time clerk-typist. There are no anticipated changes to staffing throughout the period covered by this update.

The Executive Director is the person responsible for completing the duties required by MPCA, EPA, and ECSWC Board. The Executive Director provides information about new programs available and provides fiscal services for the five counties during reporting for various grant opportunities and household hazardous waste. The Executive Director attends meetings held by various entities in order to bring back information to the Board, residents, and counties. It is estimated that ten percent of the Executive Director's time is spent carrying out such duties or \$17,000.

Responsible Person:

Janelle Troupe, Executive Director PO Box 29 Mora MN 55051

320-679-4930 x 10

Janelle.Troupe@gmail.com

Estimated Program Budget: Landfill employee expense \$263,000

Transfer stations employee expense \$280,000 Administrative Employee expense \$151,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

18. Solid Waste Program Funding

Chisago County

Policies and Goals: The County Board has the goal to manage programs in the most costefficient and environmentally responsible manner.

Existing Funding Program:

Solid Waste Management Fee: \$210,000

Solid Waste License Fee: \$8,000

SCORE Funds: \$124,000

Minimal Generator Fees: \$4000

Intergovernmental Revenue: \$10,000

Responsible Person:

Chisago County Environmental Services

39649 Grand Avenue, North Branch, MN 55056

Telephone 651-213-8920 wv

www.co.chisago.mn.us

Schedule of Implementation: Funding Programs are currently implemented and will continue throughout the ten-year planning period.

Isanti County

Policies and Goals: The County Board has the goal to manage programs in the most costefficient and environmentally responsible manner.

Existing Funding Program:

General Fund: \$71,672

Solid Waste License Fee: \$1,750

SCORE Funds: \$93,423

Household Hazardous Waste Disbursement: \$1,403

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse

555 18th Avenue SW, Cambridge, MN 55008

Telephone 763-689-5165

www.co.isanti.mn.us

Schedule of Implementation: Funding Programs are currently implemented and will continue throughout the ten-year planning period.

Kanabec County

Policies and Gools: The County Board has the goal to manage programs in the most cost-efficient and environmentally responsible manner.

Existing Funding Program:

General Fund: \$32,768

Solid Waste License Fee: \$500 MPCA Grant Funds: \$55,950

Household Hazardous Waste Disbursement: 0

Specific Funding Programs to be developed: Additional funding programs will be developed if needed.

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456

Schedule of Implementation: Funding Programs are currently implemented and will continue throughout the ten-year planning period.

Mille Lacs County

Policies and Goals: The County Board has the goal to manage programs in the most costefficient and environmentally responsible manner. Existing Funding Program:

General Fund: 0

Solid Waste Management Fee: \$30,400

Solid Waste License Fee: \$4,225 (13 haulers x \$325)

SCORE Funds: \$64,000

Household Hazardous Waste Disbursement: \$1,000

Specific Funding Programs to be developed: No additional

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353

Telephone 320-983-8308 www.co.mille-lacs.mn.us

Schedule of Implementation: Funding Programs are currently implemented and will continue throughout the ten-year planning period.

Pine County

Policies and Goals: The County Board has the goal to manage programs in the most costefficient and environmentally responsible manner.

Existing Funding Program:

General Levy: \$195,732

Solid Waste License Fee: \$2,800 (14 haulers licensed at \$200 per hauler)

SCORE Funds: \$70,000

Household Hazardous Waste Disbursement: 0

Specific Funding Programs to be developed: Additional funding programs will be developed if needed.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Schedule of Implementation: Funding Programs are currently implemented and will continue throughout the ten-year planning period.

East Central Solid Waste Commission

Policies and Goals: The Board of the ECSWC works hard to operate the ECSWC facilities and programs in the most cost-efficient and environmentally responsible manner.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051

320-679-4930 x 10 <u>Janelle.Troupe@gmail.com</u>

Estimated Program Budget: The existing program of self-support will continue throughout the tenyear planning period.

INCOME	89,220 tons
Greater MN Cleanup Fee	595,098.07
Interest Earned	32,506.46
Other Income and Expense	70,219.46
	Removed
	HHW
Sale of Recyclables (Scrap Metal,	
Batteries)	15,689.90
Landfill Gas Income	42,097.05
Tipping Fees - MSW	4,246,815.59
Scale Fee Income	163,505.00
Tire Disposal Income	11,923.86
Appliance Disposal Income	19,575.00
Contaminated Soil Income	21,708.86
Electronics Waste Income	32,040.00
Carpet Recycling	1,753.00
Demolition Income	60,887.50
Burnsite Income	840.00
Mattress Disposal Income	65,781.50

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

19. On-Site and Illegal Disposal - Mitigation of Public Health and Environmental Risk Chisago County

Policies and Goals: It is the intent of the counties to discourage illegal disposal of waste materials by providing access to disposal services for all residents. All waste generated by public entities, within the counties must be disposed of in accordance with the Solid Waste Management Plan.

Existing Program: Continue enforcement of County Board Resolution prohibiting on-site disposal of garbage to include both burying and burning. A part-time Deputy Sheriff hired to enforce program.

Specific Programs to be developed: Continue with the existing program.

Responsible Person:

Chisago County Environmental Services 39649 Grand Avenue, North Branch, MN 55056

Telephone 651-213-8920

www.co.chisago.mn.us

Estimoted Budget: \$32,500

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period.

Isanti County

Policies and Gaals: It is the intent of the counties to discourage illegal disposal of waste materials by providing access to disposal services for all residents. All waste generated by public entities, within the counties must be disposed of in accordance with the Solid Waste Management Plan.

Existing Program: The County subsidizes the Spring Clean-up Programs provided by the Townships to discourage illegal disposal of waste. County Board Resolution passed to prohibit burning or burial of solid waste in 2013.

Specific Programs to be developed: The County will continue the above programs throughout the ten-year planning period.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-516S www.co.isanti.mn.us

Estimated Budget: \$3,000

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period

Kanabec County

Policies and Goals: It is the intent of the counties to discourage illegal disposal of waste materials by providing access to disposal services for all residents. All waste generated by public entities, within the counties must be disposed of in accordance with the Solid Waste Management Plan. In 2013, the County Board adopted a resolution that prohibits on-site garbage burning.

Existing Pragram: The County subsidizes the 4H Clean-up Day to discourage illegal disposal of waste. The County pays to dispose of garbage that is found along the County ditches. In 2013, the County Board adopted a resolution that prohibits on-site garbage burning.

Specific Programs to be developed: The County will continue the above programs throughout the ten-year planning period.

Responsible Person:
Kanabec County Environmental Services
903 Forest Avenue East, Mora, MN 55051
Telephone 320-679-6456

Estimated Budget: \$5,000

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period

Mille Lacs County

Policies and Goals: It is the intent of the counties to discourage illegal disposal of waste materials by providing access to disposal services for all residents. All waste generated by public entities, within the counties must be disposed of in accordance with the Solid Waste Management Plan.

Existing Program: Continue enforcement of the County's Solid Waste and Nuisance Ordinance including civil abatement of violators. On-site and illegal dumping are handled on a complaint basis. Very few are received annually in Mille Lacs County. Investigations of such complaints are completed by staff with Operator's Certifications and often referred to MPCA.

Specific Programs to be developed: Increase public education regarding proper solid waste disposal and the benefits associated.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353

Telephone 320-983-8308 www.co.mille-lacs.mn.us

Estimated Budget: \$250 - \$500

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period.

Pine County

Policies and Goals: It is the intent of the counties to discourage illegal disposal of waste materials by providing access to disposal services for all residents. All waste generated by public entities, within the counties must be disposed of in accordance with the Solid Waste Management Plan.

Existing Program: Pine County maintains an ordinance to discourage on-site disposal provides assistance to cleanup violations. Garbage service is available county wide.

Specific Programs to be developed: The County Board is currently investigating the adoption of a Resolution prohibiting on-site disposal of garbage to include both burying and burning.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimoted Budget: \$926

Schedule of Implementation: The aforementioned programs and budget will continue throughout the ten-year planning period. The Resolution prohibiting on-site disposal or burning will be presented to the Board for vote and approval in 2016.

East Central Solid Waste Commission

Policies ond Gools: It is the policy of the East Central Solid Waste Commission and the policy of each county, individually, to protect the health and safety of its residents and to conserve natural resources through the efficient operations and recycling opportunities.

Burn barrels and on-site disposal of municipal solid waste has been banned by the State of Minnesota for residents and businesses excluding farmers. Farmers may burn or bury garbage on their premises in an environmentally safe manner unless the County they live in has determined that county-wide garbage service is available and therefore banned the burning or burying of garbage by all residents of the county. State law does not permit the open burning of oils, rubber plastics, chemically treated materials or other materials that produce excessive or noxious smoke. This includes, but is not limited to, items such as tires, railroad ties, treated lumber, shingles, tar paper, insulation, composition or particle board, sheetrock, wiring, paint or paint filters.

Existing Program: Pamphlets are available to the public to notify them of the toxic chemicals caused by burning garbage.

Specific Programs to be developed: Billboards on transfer trailers showing the dangers of burning garbage.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Janelle.Troupe@gmail.com

Estimoted Budget: \$5,000 in the 2016 budget and annually throughout the ten-year planning period

Schedule of Implementation: The aforementioned programs and budgets will continue throughout the ten-year planning period.

Chapter 4: Program Management & Administration

A. Plan Review and Public Participation Program Chisago County

Policies and Goals: This plan was developed with input from the Chisago County Board of Commissioners and the Minnesota Pollution Control Agency. It will be presented to the County Board in its final form for comment. The public and other interested parties have the opportunity to comment on this plan during County Board meetings and at the final public hearing. Comments and concerns are documented in the Board minutes.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member County; and in the Office of the East Central Solid Waste Commission. This document will be placed on public notice for 30 days and all interested parties notified. The public is invited to comment on the plan before and at the public hearing.

Existing Program: The County has utilized public surveys in the past. As issues arise, public notices are sent out to local papers. Stakeholder Committees are formed for various issues. Solid waste programs are discussed in *Environmental Connections*, the semiannual County newsletter and in a property tax statement insert. Public opinions are sought and acted upon.

Chisago County holds bi-annual meetings of the Solid Waste Advisory Committee (SWAC) to discuss current solid waste issues. The SWAC members consist of county and ECSWC staff, public officials, local haulers and recyclers, and meets twice a year. The 10-year update to the solid waste management plan was on the Thursday December 12, 2013 SWAC meeting agenda of the meeting in North Branch. ECSWC Director Janelle Troupe along with Henry Fisher from the MPCA held a discussion on how the plan update outlined waste and recycling management in the 5-ECSWC counties, that the plan was integral to the ECSWC Landfill receiving CON, and how the plan would outline Chisago County's recycling rate rising to meet the State mandated 35% recycling goal. The committee will be asked to comment on the final form of the plan.

Specific Programs to be developed: Committees will be formed on an as-needed basis.

Responsible Person:
Chisago County Environmental Services
39649 Grand Avenue, North Branch, MN 55056
Telephone 651-213-8920 www.co.chisago.mn.us

Estimated Budget: No additional budget.

Schedule of Implementation: The aforementioned programs will continue throughout the tenyear planning period.

Isanti County

Policies and Goals: This plan was developed with input from the Isanti County Board of Commissioners and the Minnesota Pollution Control Agency. It will be presented to the County Board in its final form for comment. The public and other interested parties have the opportunity to comment on this plan

before and during County Board meetings and at the final public hearing. Comments and concerns are documented in the Board minutes.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member County; and in the Office of the East Central Solid Waste Commission. This document will be placed on public notice for 30 days and all interested parties notified. The public is invited to comment on the plan before and at the public hearing.

Existing Program: The County has utilized public surveys in the past. As issues arise, public notices are sent out to local papers. Stakeholder Committees are formed for various issues. Public opinions are sought and acted upon.

Specific Programs to be developed: Committees are formed on an as-needed basis.

Responsible Person:

Isanti County Zoning Office, Isanti County Courthouse 555 18th Avenue SW, Cambridge, MN 55008 Telephone 763-689-5165 www.co.isanti.mn.us

Estimated Budget: No additional budget

Schedule of Implementation: The aforementioned programs will continue throughout the tenyear planning period.

Kanabec County

Policies and Goals: This plan was developed with input from the Kanabec County Board of Commissioners and the Minnesota Pollution Control Agency. It will be presented to the County Board in its final form for comment. The public and other interested parties have the opportunity to comment on this plan before and during County Board meetings and at the final public hearing. Comments and concerns are documented in the Board minutes.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member County; and in the Office of the East Central Solid Waste Commission. This document will be placed on public notice for 30 days and all interested parties notified. The public is invited to comment on the plan before and at the public hearing.

Existing Program: The County has utilized public of surveys in the past. As issues arise, public notices are sent out to local papers. Stakeholder Committees are formed for various issues. Solid waste programs are discussed through property tax statement inserts. Public opinions are sought and acted upon.

Specific Programs to be developed: Committees are formed on an as needed basis

Responsible Person:

Kanabec County Environmental Services 903 Forest Avenue East, Mora, MN 55051 Telephone 320-679-6456 Estimated Budget: No additional budget.

Schedule of Implementation: The aforementioned programs will continue throughout the tenyear planning period.

Mille Lacs County

Policies and Goals: This plan was developed with input from the Mille Lacs County Board of Commissioners and the Minnesota Pollution Control Agency. It will be presented to the County Board in its final form for comment. The public and other interested parties have the opportunity to comment on this plan before and during County Board meetings and at the final public hearing. Comments and concerns are documented in the Board minutes.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member County; and in the Office of the East Central Solid Waste Commission. This document will be placed on public notice for 30 days and all interested parties notified. The public is invited to comment on the plan update before and at the public hearing.

Existing Program: The County has utilized public surveys in the past. As issues arise, public notices are sent out to local papers.

Specific Programs to be developed: Committees will be formed on an as-needed basis.

Responsible Person:

Mille Lacs County Land Services, Mille Lacs County Courthouse 635 2nd Street SE, Milaca, MN 56353
Telephone 320-983-8308 www.co.mille-lacs.mn.us Estimated Budget: No additional budget.

Schedule of Implementation: The aforementioned programs will continue throughout the tenyear planning period.

Pine County

Policies and Goals: This plan was coordinated by the East Central Solid Waste Commission with input from the Pine County Board of Commissioners, through its Pine County Board member, the County Solid Waste Officers and the Minnesota Pollution Control Agency. It is presented to the Pine County Board of Commissioners for adoption to:

- Submit to the Minnesota Pollution Control Agency, for their approval as required by statute
- Seek public comment during a 30 day comment period. Both Pine County and MPCA
 are interested in securing public comment on this plan. The public and other interested
 parties have the opportunity to comment on this plan during the 30-day period.
- Following this 30-day period, comments and issues raised will be documented in County Board minutes with amendments made to this plan as appropriate, before implementation.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member county; in the Office of the East Central Solid Waste Commission, and in all local libraries. This document will be placed on public notice and all interested parties notified. The public is encouraged and invited to comment on the plan during the comment period but more importantly comments are encouraged at any time during the 10-year planning period.

Existing Program: When appropriate, the Planning Commission recommends issues to the County Board for consideration and resolution. All programs offered by the County such as recycling shed policies, proper management of household hazardous waste or avoidance of illegal burning and burying of waste, are advertised with request for public comment on program improvements. Input from the public is sought through all programs offered.

Specific Programs to be developed: Planning Commission discussion relative to solid waste management programs will continue The County is committed to promoting public input and public education to implement the most effective solid waste management programs practical.

Responsible Person:

Pine County Planning, Zoning and Solid Waste Department 635 Northridge Dr. NW, Suite 250, Pine City MN 55063 Telephone 320-216-4220 www.co.pine.mn.us

Estimated Budget: To be determined by County Board actions

Schedule of Implementation: The aforementioned programs will continue throughout the tenyear planning period.

East Central Solid Waste Commission

Policies and Goals: This plan was developed with input from all the County Board of Commissioners and the Minnesota Pollution Control Agency. It will be presented to the County Boards in its - final form for comment. The public and other interested parties have the opportunity to comment on this plan before and during County Board meetings and throughout the 30 day public comment period and at the final public hearing. Comments and concerns are documented in the Board minutes.

The plan and accompanying documentation will be located at the MPCA offices located in Brainerd, St. Paul and Duluth; the Environmental Services Office of each member county; and in the Office of the East Central Solid Waste Commission. This document will be placed on public notice for 30 days and all interested parties notified. The public is invited to comment on the plan before and at the public hearing.

The East Central Solid Waste Commission Board will annually review the plan and progress made concerning implementation.

Responsible Person:
Janelle Troupe, Executive Director
PO Box 29
Mora MN 55051
320-679-4930 x 10
Jan

Janelle.Troupe@gmail.com

Estimated Program Budget: \$10,000

Schedule of Implementation: The aforementioned programs and budget will be implemented throughout the ten-year planning period.

B. Plan Review and 10-Year Update

Environmental Services staff from each of the five counties along with staff of the East Central Solid Waste Commission will review the Solid Waste Management Plan at least annually. As programs develop and various rules and regulations change or are implemented, it may become necessary to review and amend the plan. Any items needing change are documented and any modifications or amendments to this plan will be submitted in writing to the MPCA for review and approval. A new plan will be required in 10 years.

C. Contingencies to Proposed System

Currently, the majority of the MSW is delivered to the East Central Solid Waste Commission Sanitary Landfill. If the East Central Solid Waste Commission landfill cannot accept waste, it would be delivered to landfills elsewhere. The short-term option chosen would be based on convenience, tipping fees, transportation and the potential long-term liability. The long-term option would be based on several criteria including tipping fees, contract arrangements, transportation, management of the waste and potential long-term liability.

D. Goal - Volume Table

The Goal Volume Tables for each of the five counties are found in Appendices T-X.

E. Itemized Solid Waste Budget

The projected itemized budget for each county over the ten-year planning period is found in Appendix Y.

F. County Solid Waste Ordinance

The County Solid Waste Management Ordinance for each of the five counties is found in Appendices I – M.

Appendix A: Household Hazardous Waste Amendment #1 with State of Minnesota



Professional/Technical Contract Amendment #1

State of Minnesota

SWIFT Contract No.: 000000000000000000055526

Agreement Start Date:	January 1, 2013	Total Agreement Amount:	\$ N/A
Original Agreement Expiration Date:	December 31, 2017	Original Agreement:	\$ N/A
Current Agreement Expiration Date:	December 31, 2017	Previous Amendment(s) Total:	\$ N/A
Requested Agreement Expiration Date:	N/A	This Amendment:	\$ N/A

This amendment is by and between the State of Minnesota, through its Commissioner of the **Minnesota Pollution Control Agency**, 520 Lafayette Road North, St. Paul, MN 55155 (hereinafter "the State") and **East Central Solid Waste Commission**, PO Box 29, Mora, MN 55051, (hereinafter the "Commission").

Amendment Recitals

- 1. The State has an agreement with the Commission identified as SWIFT Contract No.: 0000000000000000000055526, to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans.
- 2. This Amendment will incorporate the Paint Care requirements into the JPA and change the reporting methods
- 3. The State and the Commission are willing to amend the Original Agreement as stated below

Agreement Amendment

In this Amendment, changes to pre-existing Agreement language will use strike through for deletions and <u>underlining</u> for insertions.

REVISION 1. "Recitals" are amended as follows:

WHEREAS, This Agreement is made under the State's authority of Minn. Stat. §§115A.46, 115A.96, 116.03 and 471.59, and under the Commission's authority of Minn. Stat. §§375.21, 473.801 through 473.834 and 471.59, and Minn. Stat. Ch. 400.

WHEREAS, The Minnesota Pollution Control Agency is required by Minn. Stat. §115A.96 to establish a statewide program to manage household hazardous wastes ("HHW"). Minn. Stat. §115A.96, Subd. 3, provides that the statewide HHW program may be provided directly by the State or by contract with public or private entities.

WHEREAS, The Commission wishes to partner with the MPCA to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans. The Commission will comply with the terms of this Agreement and all applicable Federal, State and local rules, regulations, ordinances and permit

CR 5183

conditions and provide environmentally sound and safe management options for Program Wastes and encourage, to the extent feasible, reduction, reuse, recycling and safe storage and management of Program Wastes.

WHEREAS, the parties wish to allocate the risks and responsibilities resulting from operation of the HHW program, and to incorporate the provisions of Minn. Stat. §115A.96, Subd. 7, into this Agreement.

WHEREAS, The parties wish to incorporate payment terms into this Agreement regarding the Commission's participation in a product stewardship program for architectural paint.

NOW, THEREFORE, The parties, for valuable consideration received, make the following Agreement:

REVISION 2. Clause 1. "Definitions" is amended as follows:

Terms as used in this Agreement shall have the following meanings:

- **1.1 Agency's Authorized Transporter.** A transporter authorized to provide transportation or waste management services pursuant to a State Contract for transportation or management of Program Wastes as referred to in Minn. Stat. §115A.96, Subd. 7.
- **1.2** Architectural Paint. Interior and exterior coatings listed in the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- **1.3** Authorized Activities. The list of activities contained in Exhibit A that may be performed by the Commission for compensation in accordance with this Agreement.
- **1.4** Authorized Facility or Authorized Facilities. A facility or facilities authorized by the State to store, blend, treat, reclaim, recycle, incinerate or dispose of Program Waste in accordance with State Contracts and this Agreement.
- **1.5 Bulking.** The activity of opening individual cans of any product, including architectural paint, and consolidating them into 55-gallon drums.
- 1.6 Collected/Collection. The activity of accepting products from the public at a household hazardous waste Collection Site or Event, and then packing those products for transportation.
- Collection Site. A permanent or temporary designated location with scheduled hours for collection where the public may bring household hazardous wastes, including architectural paint.
- 1.8 Co-Sponsoring Commission. A Commission or other governmental unit located partially or completely within the Service Area or Regional Program that has signed an agreement for participation in the Program. The Co-Sponsoring Counties for this Agreement include those listed in Exhibit C.
- **1.9 Electronic Waste.** Devices containing complex circuitry, circuit boards and/or signal processing capabilities for processing and/or displaying information. Electronic waste may include, but is not limited to, computers and computer peripherals and laboratory, communications, audio, video and office equipment.
- 1.10 Event. A temporary Collection Site that accepts Authorized Wastes (Program Products) for a limited period of time. Event Collection. An Event Collection is a collection site temporarily designed and set up to safely and efficiently collect and package Program Wastes for reuse or for transportation to a permanent Management Facility or a permitted waste management facility.
- **1.11** Hazardous Waste. Waste as defined in Minn. Stat. §116.06, Subd. 11.
- **1.12 Household.** Household as defined in Minn. Stat. §115A.96, Subd. 1(a).

- 1.13 Household Hazardous Waste (HHW). Waste as defined in Minn. Stat. §115A.96, Subd. 1(b).
- **1.14 ID Number.** The site-specific identification number that the State obtains for the Program in accordance with Clause 7.2 of this Agreement.
- 1.15 Internal Transportation. The use of Commission employees or independent contractors selected by the authorized Commission to transport Program Products from one Collection Site or Event to be consolidated at another Collection Site or Event.
- **1.16 Management Facility.** One or more permanent, temporary, mobile, satellite, or event collection sites located in the Service Area that accept Program Wastes for proper collection, management and storage. A Management Facility may be publicly or privately owned and/or operated.
- **1.17** Optional Program Wastes. Wastes listed in Clause 7.3 of this Agreement.
- **1.18 Processing.** The bulking, treatment or recycling, and/or disposal of Program Products.
- **1.19 Processing Facility.** A non-Collection Site where Processing occurs.
- 1.20 Product Stewardship. A product-centered approach to environmental protection that calls on those in the product life cycle manufacturers, retailers, users, and disposers to share responsibility for reducing the environmental impacts of products.
- **1.21 Program.** The Program operated by the Commission and the State, pursuant to this Agreement, which shall include the following major elements: (1) an HHW education and waste reduction program; and (2) a Management Facility or Facilities.
- **1.22** Program Products. The products collected under the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.23 Program Wastes. HHW and Optional Program Wastes listed in Clause 7.3 of this Agreement.
- **1.24 Reciprocal Use Agreements.** Agreements entered into by the Commission allowing use of a Management Facility for Program Waste generated outside the Service Area.
- **1.25 Regional Program.** The Program or services provided by two or more counties acting jointly to manage a Program.
- **1.26 Regional Sponsor.** The lead Commission or governmental unit of a Regional Program that has an Agreement contract with the State to operate a Program.
- **1.27** Reuse. The activity of providing or donating collected architectural paint to the public for its original purpose.
- **1.28 Service Area.** The area included within the boundaries of the Commission or Regional Program.
- 1.29 State Contract. Contracts entered into by the State of Minnesota and that are made available for the off-site management of HHW generated by Commission HHW Programs under the State's Cooperative Purchasing Venture established pursuant to Minn. Stat. §16C.03, subdivision 10. Entities eligible to participate under the cooperative purchasing venture are described in Minn. Stat. §16C.105.
- 1.30 State Contracts. Contracts entered into by the State and that are made available for the management of Program Wastes. These include: H-69(5) Hazardous Waste Management; H-79(5) Fluorescent Lamp, Lamp Ballast and Mercury Containing Materials and Residuals Transportation and Management; H-90(5) Used Electronic and Electronic Component Recycling and Management; Waste Disposal; W-192(5) Infectious (Biomedical); and H-94(5) Used Oil, Filter, Absorbent and Antifreeze Management.
- **1.31 State Contractor Services.** Waste management services performed for Program activities and made available by the State through its contracts with waste management firms. Waste management services include supplying materials, receiving and sorting Program Wastes,

CR 5183

- packaging, repackaging, consulting, training, sampling, analysis, treatment, transportation, storage, recycling, processing and disposal.
- **1.32 State Hazardous Waste Rules.** The Minnesota Pollution Control Agency Rules, Chapters 7045 and 7001.
- **1.33 State's Authorized Transporter.** Has the same meaning as the Agency's Authorized Transporter.
- 1.34 Universal Waste. Universal Waste has the meaning given at Code of Federal Regulations, title 40, section 273.9. Minnesota adopted the Federal Universal Waste Regulations in accordance with M. R. Part 7045.1400.
- **1.35 VSQG or Very Small Quantity Generator.** A Hazardous Waste generator who is classified as a VSQG in accordance with M. R. Part 7045.0206, and who has not lost VSQG status due to quantity of generation or over-accumulation.
- **1.36 VSQG Wastes.** Hazardous Wastes generated by a VSQG.

REVISION 3. Clause 2 "TERM OF AGREEMENT" is amended as follows:

- **2.1 Effective date: January 1 3**, **2013** *or* the date the State obtains all required signatures under Minn. Stat.s § Section 16C.05, Subd. 2, whichever is later.
- **2.2 Expiration date: December 31, 2017**, unless earlier terminated by law or in accordance with Clause 23 or 24 of this Agreement. It is the intent of the parties that termination or expiration of this Agreement shall not relieve the parties of the obligations assumed under this Agreement that occur after termination or expiration, including without limitation, the obligations to properly close the Management Facility or Facilities, to pay costs incurred during the term of this Agreement and to defend, indemnify and hold harmless pursuant to Clause 20 of this Agreement.

REVISION 4. Clause 3 "Payment" is renamed and amended as follows: Payment, Reporting and Funding

- **3.1.1.** Payment. The total obligation of the State under this Agreement will not exceed \$600,000 annually (between 14 Regional Programs), unless the MPCA determines to distribute uncommitted appropriations remaining after settlement of MPCA expenses at the end of a biennium or if 3.1.2. applies.
- **3.1.2.** If the MPCA enters into income agreements with a 3rd-party funding entity or receives additional appropriations to fund work that is done by the Commission, the Commission shall be reimbursed per the income agreement or appropriation allocation formula.
- **3.2 Funding Terms for** HHW Program Operations. The terms outlined in t This section describes the method used to determine the amount paid to the Commission for the purpose of funding HHW activities Program Operations in the Region as a whole. The Commission may allocate the funding provided by the MPCA among the Co-Sponsoring Counties in any manner agreeable to the Co-Sponsoring Counties and the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.
 - Subject to the eligibility conditions in this Agreement and the amount appropriated to the MPCA for operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the Commission to reimburse a portion of the Regional HHW Program's expenses. The MPCA may periodically adjust the

amount payable to the Commission, based on the total funds available to the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement. Payment amounts are not guaranteed.

The Base Funding Amount for each state fiscal year will be determined and communicated to the Commission on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount the MPCA dedicates to the Regional HHW Programs to provide a HHW Program in accordance with Minn. Stat. §115A.96.

The MPCA will utilize the completed and certified reports Program data submitted by the Commission's Authorized Representative as described in Clause 3.4 below to make payments of the Regional Program Operation and Waste Management for the Program Operations Stipend and the Supplemental Stipend as described in Clause 3.3.

The MPCA may allocate uncommitted appropriations remaining after settlement of MPCA expenses to Supplemental Stipends within 60 30 days of the end of the biennium, on or before August July 31. The MPCA will pay the Supplemental Stipend Amount in full to the Commission by August 31 after the end of each biennium.

If MPCA budgetary reductions occur after payments have been made that result in excessive payments, the Commission agrees to return the excess amount to the MPCA within 60 days of the date of MPCA's written notice to the Commission of the budget reduction and the excess amount to be returned.

3.3 Funding Formula for HHW Program Operations.

The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = ((Base Funding Amount x ½)/80) x 5

+

(Base Funding Amount x ½) x

[(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

The MPCA will determine the Supplemental Stipend Amount by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x ½) / 80) x 5

+

[(Supplemental Funding Amount x ½) x

(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

If a Co-Sponsoring Commission changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated between the Regional Programs that the Co-Sponsoring Commission was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a Co-Sponsoring Commission was affiliated with a Regional Program and on the participants

served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and the affected Regional Programs.

3.4 Annual Reporting for HHW Program Operations.

The MPCA will provide electronic copies of the Participation, Program Cost and Waste Management Report forms (Report) in **Attachment A** to the Commission. The Commission will forward the Report to all Co-Sponsoring Counties listed in Definition 1.3 of this Agreement and instruct them on how to complete the Report. The Commission will collect Reports from all Co-Sponsoring Counties and verify that the Reports are complete and that the participation totals are accurate. The Commission will complete the Participation Certification and Invoice Form (Form) and submit the Form and all electronic Reports to the State's Authorized Representative on or before April 1st of each year.

The Commission shall enter calendar year participation, financial, and waste stream data for its HHW and VSQG Programs into the Agency's HHW and VSQG Report Database (Database) at least annually. The Database access will be provided by the State's Authorized Representative (SAR) by January 1 of each year. The Commission will forward access information to all Co-Sponsoring Counties and instruct them on how to enter Program data. The Commission will verify that the Program data entered for or by each Co-Sponsoring Commission is complete and that the participation totals are accurate. Alternately, the Commission may enter HHW and VSQG data into the Database for each of the counties listed in Clause 1.8 of this Agreement. Annual data entry shall be completed by April 1 of each year. Upon completion of Regional Program data entry, the Program's Authorized Representative shall notify the SAR that data entry is complete by providing a signed certification form provided by the SAR. The SAR may review the Program data and may require the Commission to make corrections to the data if errors are found.

Participation will be determined by the State's Authorized Representative and will be based on the Program data provided in accordance with Clause 3.4 of this Agreement using the following:

- Qualified Participating Households are as follows: O only those participants delivering residential Household Hazardous Waste generated within Minnesota to a Regional Program or Co-Sponsoring Commission such that they may will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of
 households may be counted <u>as qualified participating households</u>, provided proper
 documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted.
- Participants that <u>only</u> deliver only one or more of the following wastes will not be counted <u>as qualified participating households</u>: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events, compressed gas cylinders, pharmaceuticals, sharps, ammunition and/or fireworks.

- Participants that only come to remove items from product exchange shelves will not be counted as qualified participating households.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.
- Participants from HHW collection efforts related to natural disasters will be evaluated by the State for qualification on a case-by-case basis.
- Business Waste-Very Small Quantity Generators will not be counted.

The Form and Reports submitted Program data provided and certified as complete by the Commission by on or before April 1 of each year will be considered final. If the Commission does not submit Reports to the MPCA provide Program data using the access system and certify completion on or before April 1, the Commission will not be eligible for the Stipend Amounts for that fiscal year. If the Commission does not submit and certify Reports Program data from one or more Co-Sponsoring Counties, the amount of the Stipend received by the Commission will be reduced based on the formulas in Clause 3.3 of this Agreement. The State's Authorized Representative will review and confirm the participation numbers received from each Regional Sponsor and pay the Stipend Amount to the Commission by June 30 of each state fiscal year.

The State shall compile and prepare reports including the information received from the Commission, which will be available to the public in accordance with Clause 16 of this Agreement. The State shall provide the Commission's Authorized Representative with a copy of any reports it prepares for the legislature or other entities that includes data submitted by the Commission. The State shall compile and prepare reports summarizing information received on the statewide Program, subject to the limitations of the State's database, available staff time and the quality of report data received from Programs.

3.5 Reporting for Product Stewardship Activities.

<u>The Commission shall provide the reporting information outlined in Exhibit A per the format</u> described in Exhibit B to the State within 30 days of the end of each calendar year quarter.

3.6 Funding Terms for Reimbursement of Product Stewardship Activities.

The MPCA will reimburse the Commission for approved Product Stewardship Authorized Activities listed in Exhibit A in accordance with the associated rate.

To receive payment for Product Stewardship Activities, the Commission shall provide the MPCA an invoice for the appropriate coverage period, Product Stewardship Authorized Activities, and the amount of payment being requested. Each invoice shall contain appropriate documentation justifying the payment request. The documentation may include shipping documents that show what was completed for the appropriate Product Stewardship Activity, summarized waste reports, and itemized expenses that are eligible for reimbursement.

The reporting and invoice information outlined in Exhibit B for Authorized Activities shall be submitted to the MPCA per the following schedule:

- 1. For the initial invoice period, November 1, 2014 through June 30, 2015 by August 31, 2015;
- 2. Successive invoice periods are as follows:
 - a. July 1 through December 31: by January 31 of the succeeding year, and
 - b. January 1 through June 30: by July 31 of the current year.

3.7 Reimbursement Process for completion of Authorized Activities

Within 30 days of receipt of the required information from the Commission, the MPCA shall prepare a summary invoice representing the cost of all counties seeking payment for the management of Authorized Activities. The MPCA shall deliver the summary invoice with all information submitted by the counties to the product stewardship representative for review. All invoice discrepancies or questions for specific Commission invoices shall be resolved between the product stewardship representative and the appropriate Commission. The Product Stewardship entity shall forward, within 60 days of the MPCA summary invoice date, payment for work performed and all documentation of the final-approved payments. The MPCA shall distribute this payment to the Commission per the final-approved payment. The Commission is responsible for distributing payments to Co-Sponsoring Counties within the Regional Program.

REVISION 5. Clause 5 "Education and Waste Reduction Program" is amended as follows:

The Commission shall operate an education and waste reduction program in coordination with the State and in accordance with Minn. Stat. §115A.96, Subd. 6(a). The purpose of the program is to assist and inform the public concerning the proper management, identification, and reduction of Program Wastes. The State shall make education and waste reduction materials available to the Commission. The Commission may work with a Product Stewardship entity to develop, share or use materials with that entity. The Commission shall not utilize the name of the Product Stewardship entity, their mark, or their logo without first obtaining written consent from the Product Stewardship entity.

REVISION 6. Clause 6 "**Program Operations and Training**" is amended as follows:

6.1 Training.

The State and the Commission will jointly develop a training program that may be accessed by the Commission staff. This training program may contain information from Product Stewardship entities or other entities that partner with Counties in managing Program Wastes or Program Products.

6.2 Standard Operating Procedures.

The State shall work with the Commission to develop and make available generic standard operating procedures. The Commission shall develop Program specific standard operating procedures based on the generic standards available on the MPCA's website. The Program specific standards shall not be less restrictive than the generic standards.

REVISION 7. Clause 7 "Waste Acceptance and Management" is amended as follows:

- 7.1 The Commission shall provide for the operation of Management Facilities in accordance with this Agreement and all applicable <u>federal and state</u> rules, regulations, standards, and permit requirements. If a Management Facility is privately owned or operated, the Commission shall require the private owner or operator to meet the conditions and requirements set forth in this Agreement.
- 7.2 The Commission shall collect, store or otherwise manage HHW and may collect, store or otherwise manage Optional Program Wastes listed in Clause 7.3 below upon obtaining all applicable governmental approvals. The Commission may manage any waste listed below and commingle said wastes with HHW and manage said wastes under the ID Number acquired by the State. The State shall complete the "Notification of Regulated Waste Activity" form and acquire the ID Number solely in the name of the State for each Management

CR 5183

Facility that requires an ID Number. The ID Number shall be used for transportation and disposal of all Program Wastes collected at a Management Facility. The Commission may also choose to obtain or retain its own ID Numbers for its Management Facilities, if the wastes are managed in accordance with this Agreement and all applicable rules, regulations, permits, and policies.

- **7.3** Program Wastes which may be accepted and commingled with HHW and which may be shipped under the State's ID number include:
 - (a) HHW generated outside the service area and which is accepted in accordance with M.R. Part 7045.0310, subp 6;
 - (b) Hazardous wastes generated by a VSQG;
 - (c) Abandoned wastes that the Commission agrees to manage;
 - (d) Federal Universal Waste, defined in the Code of Federal Regulations, title 40, section 273.9, and in M.R. Part 7045.1400 including: fluorescent or high-intensity discharge lamps, mercury-containing devices, pesticides, and batteries; and any additional waste streams added to the Federal Universal Waste list that are adopted by the State during the term of this Agreement;
 - (e) Architectural Paint or Program Products;
 - (f) Electronic Waste; and
 - (g) Latex wastes, used oil and used oil filters, antifreeze, sharps and any other wastes managed under the State Contracts listed in 1.4929 through 1.31.

However, if the Commission seeks reimbursement under Clause 3.6, Architectural Paint and Program Wastes may not be commingled.

- At the expiration of this Agreement, or at the time of cancelation of this Agreement by either party, the Commission and its contractor shall cease to use the ID Number acquired by the State. If Hazardous Waste will no longer be manifested from the Management Facility, the State will cancel the ID number. If the Commission plans to continue to manifest Hazardous Waste from a Management Facility the Commission shall, within 7 days of cancellation or non-renewal, submit a "Subsequent Notification" form to the entity authorized to assign ID Numbers. The Commission shall provide, to the State's Authorized Representative, documentation confirming that the number has been reassigned within 30 days of expiration or cancellation of this Agreement.
- **7.5** Nothing in this Agreement is intended to preclude the collection, management, or storage of waste which is not Program Wastes at the Management Facility, provided that the Commission neither commingles the waste with Program Wastes nor uses the State's ID number when shipping said waste.

REVISION 8. Clause 8 "Manifesting" is renamed as follows: Manifesting Manifest Signature. The content of the clause is unchanged.

REVISION 9. Clause 11 (11.4 and 11.6) "State Contractor Services" is amended as follows:

11.4 The State shall investigate and resolve matters related to the failure of the State's Authorized Transporters to perform services in accordance with the terms of the State Contracts listed in Clause 1.4930. The State shall notify the Commission when it receives notice of a release to the environment by a State's Authorized Transporter.

CR 5183

11.6 The Commission is encouraged, but not required, to use State Contractor Services for the operation of a Management Facility. If the Commission chooses to use a transporter other than the State's Authorized Transporter for the management of Program Wastes, the provisions of Clause 20.2 of this Agreement shall not apply to such Program Wastes. The Commission and Co-Sponsoring Counties shall use State Contractor Services for the off-site management of Architectural Paint or Program Products for which the Commission and Co-Sponsoring Counties seek reimbursement in accordance with Clause 3.6 of this Agreement.

REVISION 10. Attachment A, "Annual Household Hazardous Waste Reporting Form for Metropolitan Counties" is hereby removed in its entirety from the Agreement.

REVISION 11. Exhibit A "Authorized Activity List and Pricing Formulas", Exhibit B, "Reporting and Invoicing Information", and Exhibit C "Participating Authorized Counties" are added. All Exhibits referenced in this amendment are made part of this agreement.

Except as amended herein, the terms and conditions of the Original Agreement and all previous amendments remain in full force and effect.

Document Signature Details -- External User

Order	Ext. User	Status	Actual Singer	Name	Title	Date/Time	Comments
1	VN0000212783_1	Signed	VN0000212783_1	JANELLE	EXTERNAL	08/28/2015 at	
				TROUPE		01:02 PM	

Document Signature Details -- Internal Users

Order	Туре	Role/User	Status	Actual Signer	Name	Title	Date/Time	Comments
1	Role	M_FS_WF _SC_DOC_ SIGNER_0 1	Signed	01039179	Mary T Ecker	Encumbrance VerificationSi gner	August 28, 2015 at 03:18 PM	
2	Role	M_FS_WF _SC_DOC_ SIGNER_0 2	Signed	01024689	Myrna Halbach	State Agency Signer	August 28, 2015 at 03:39 PM	
3	Role	M_FS_WF _SC_DOC_ SIGNER_0 3	Signed	01155053	Christina K Wong	MMD P/T Dept of Admin Signer	August 31, 2015 at 03:05 PM	MMD NO. 32371 - DESPITE AMENDME NT DRAFTING ERRORS, APPROVED UPON RECEIVING MPCA'S DETERMINA TION OF THE RISK LEVEL



Professional/Technical Contract Amendment #1

State of Minnesota

SWIFT Contract No.: 000000000000000000055526

Agreement Start Date:	January 1, 2013	Total Agreement Amount:	\$ N/A
Original Agreement Expiration Date:	December 31, 2017	Original Agreement:	\$ N/A
Current Agreement Expiration Date:	December 31, 2017	Previous Amendment(s) Total:	\$ N/A
Requested Agreement Expiration Date:	N/A	This Amendment:	\$ N/A

This amendment is by and between the State of Minnesota, through its Commissioner of the **Minnesota Pollution Control Agency**, 520 Lafayette Road North, St. Paul, MN 55155 (hereinafter "the State") and **East Central Solid Waste Commission**, PO Box 29, Mora, MN 55051, (hereinafter the "Commission").

Amendment Recitals

- The State has an agreement with the Commission identified as SWIFT Contract No.:
 00000000000000000000055526, to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans.
- 2. This Amendment will incorporate the Paint Care requirements into the JPA and change the reporting methods.
- 3. The State and the Commission are willing to amend the Original Agreement as stated below

Agreement Amendment

In this Amendment, changes to pre-existing Agreement language will use strike through for deletions and underlining for insertions.

REVISION 1. "Recitals" are amended as follows:

WHEREAS, This Agreement is made under the State's authority of Minn. Stat. §§115A.46, 115A.96, 116.03 and 471.59, and under the Commission's authority of Minn. Stat. §§375.21, 473.801 through 473.834 and 471.59, and Minn. Stat. Ch. 400.

WHEREAS, The Minnesota Pollution Control Agency is required by Minn. Stat. §115A.96 to establish a statewide program to manage household hazardous wastes ("HHW"). Minn. Stat. §115A.96, Subd. 3, provides that the statewide HHW program may be provided directly by the State or by contract with public or private entities.

WHEREAS, The Commission wishes to partner with the MPCA to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans. The Commission will comply with the terms of this Agreement and all applicable Federal, State and local rules, regulations, ordinances and permit

conditions and provide environmentally sound and safe management options for Program Wastes and encourage, to the extent feasible, reduction, reuse, recycling and safe storage and management of Program Wastes.

WHEREAS, the parties wish to allocate the risks and responsibilities resulting from operation of the HHW program, and to incorporate the provisions of Minn. Stat. §115A.96, Subd. 7, into this Agreement.

<u>WHEREAS</u>, The parties wish to incorporate payment terms into this Agreement regarding the Commission's participation in a product stewardship program for architectural paint.

NOW, THEREFORE, The parties, for valuable consideration received, make the following Agreement:

REVISION 2. Clause 1. "Definitions" is amended as follows:

Terms as used in this Agreement shall have the following meanings:

- **1.1** Agency's Authorized Transporter. A transporter authorized to provide transportation or waste management services pursuant to a State Contract for transportation or management of Program Wastes as referred to in Minn. Stat. §115A.96, Subd. 7.
- **1.2** Architectural Paint. Interior and exterior coatings listed in the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.3 Authorized Activities. The list of activities contained in Exhibit A that may be performed by the Commission for compensation in accordance with this Agreement.
- <u>1.4</u> Authorized Facility or Authorized Facilities. A facility or facilities authorized by the State to store, blend, treat, reclaim, recycle, incinerate or dispose of Program Waste in accordance with State Contracts and this Agreement.
- 1.5 <u>Bulking.</u> The activity of opening individual cans of any product, including architectural paint, and consolidating them into 55-gallon drums.
- 1.6 Collected/Collection. The activity of accepting products from the public at a household hazardous waste Collection Site or Event, and then packing those products for transportation.
- 1.7 Collection Site. A permanent or temporary designated location with scheduled hours for collection where the public may bring household hazardous wastes, including architectural paint.
- 1.8 Co-Sponsoring Commission. A Commission or other governmental unit located partially or completely within the Service Area or Regional Program that has signed an agreement for participation in the Program. The Co-Sponsoring Counties for this Agreement include those listed in Exhibit C.
- 1.9 Electronic Waste. Devices containing complex circuitry, circuit boards and/or signal processing capabilities for processing and/or displaying information. Electronic waste may include, but is not limited to, computers and computer peripherals and laboratory, communications, audio, video and office equipment.
- 1.10 Event. A temporary Collection Site that accepts Authorized Wastes (Program Products) for a limited period of time. Event Collection. An Event Collection is a collection site temporarily designed and set-up to safely and efficiently collect and package Program Wastes for reuse or for transportation to a permanent Management Facility or a permitted waste management facility.
- 1.11 Hazardous Waste. Waste as defined in Minn. Stat. §116.06, Subd. 11.
- 1.12 Household. Household as defined in Minn. Stat. §11SA.96, Subd. 1(a).

- 1.13 Household Hazardous Waste (HHW). Waste as defined in Minn. Stat. §115A.96, Subd. 1(b).
- **1.14 ID Number.** The site-specific identification number that the State obtains for the Program in accordance with Clause 7.2 of this Agreement.
- 1.15 Internal Transportation. The use of Commission employees or independent contractors selected by the authorized Commission to transport Program Products from one Collection Site or Event to be consolidated at another Collection Site or Event.
- <u>1.16</u> Management Facility. One or more permanent, temporary, mobile, satellite, or event collection sites located in the Service Area that accept Program Wastes for proper collection, management and storage. A Management Facility may be publicly or privately owned and/or operated.
- 1.17 Optional Program Wastes. Wastes listed in Clause 7.3 of this Agreement.
- 1.18 Processing. The bulking, treatment or recycling, and/or disposal of Program Products.
- 1.19 Processing Facility. A non-Collection Site where Processing occurs.
- 1.20 Product Stewardship. A product-centered approach to environmental protection that calls on those in the product life cycle manufacturers, retailers, users, and disposers to share responsibility for reducing the environmental impacts of products.
- 1.21 Program. The Program operated by the Commission and the State, pursuant to this Agreement, which shall include the following major elements: (1) an HHW education and waste reduction program; and (2) a Management Facility or Facilities.
- **1.22** Program Products. The products collected under the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.23 Program Wastes. HHW and Optional Program Wastes listed in Clause 7.3 of this Agreement.
- **1.24 Reciprocal Use Agreements.** Agreements entered into by the Commission allowing use of a Management Facility for Program Waste generated outside the Service Area.
- **1.25 Regional Program.** The Program or services provided by two or more counties acting jointly to manage a Program.
- **1.26 Regional Sponsor.** The lead Commission or governmental unit of a Regional Program that has an Agreement contract with the State to operate a Program.
- **1.27** Reuse. The activity of providing or donating collected architectural paint to the public for its original purpose.
- 1.28 Service Area. The area included within the boundaries of the Commission or Regional Program.
- 1.29 State Contract. Contracts entered into by the State of Minnesota and that are made available for the off-site management of HHW generated by Commission HHW Programs under the State's Cooperative Purchasing Venture established pursuant to Minn. Stat. §16C.03, subdivision 10. Entities eligible to participate under the cooperative purchasing venture are described in Minn. Stat. §16C.105.
- 1.30 State Contracts. Contracts entered into by the State and that are made available for the management of Program Wastes. These include: H-69(5) Hazardous Waste Management; H-79(5) Fluorescent Lamp, Lamp Ballast and Mercury Containing Materials and Residuals Transportation and Management; H-90(5) Used Electronic and Electronic Component Recycling and Management; Waste Disposal; W-192(5) Infectious (Biomedical); and H-94(5) Used Oil, Filter, Absorbent and Antifreeze Management.
- 1.31 State Contractor Services. Waste management services performed for Program activities and made available by the State through its contracts with waste management firms. Waste management services include supplying materials, receiving and sorting Program Wastes,

- packaging, repackaging, consulting, training, sampling, analysis, treatment, transportation, storage, recycling, processing and disposal.
- 1.32 State Hazardous Waste Rules. The Minnesota Pollution Control Agency Rules, Chapters 7045 and 7001.
- 1.33 State's Authorized Transporter. Has the same meaning as the Agency's Authorized Transporter.
- 1.34 Universal Waste. Universal Waste has the meaning given at Code of Federal Regulations, title 40, section 273.9. Minnesota adopted the Federal Universal Waste Regulations in accordance with M. R. Part 7045.1400.
- 1.35 VSQG or Very Small Quantity Generator. A Hazardous Waste generator who is classified as a VSQG in accordance with M. R. Part 7045.0206, and who has not lost VSQG status due to quantity of generation or over-accumulation.
- 1.36 VSQG Wastes. Hazardous Wastes generated by a VSQG.

REVISION 3. Clause 2 "TERM OF AGREEMENT" is amended as follows:

- **2.1 Effective date: January 4 3, 2013** *or* the date the State obtains all required signatures under Minn. Stat.s § Section 16C.05, Subd. 2, whichever is later.
- 2.2 Expiration date: December 31, 2017, unless earlier terminated by law or in accordance with Clause 23 or 24 of this Agreement. It is the intent of the parties that termination or expiration of this Agreement shall not relieve the parties of the obligations assumed under this Agreement that occur after termination or expiration, including without limitation, the obligations to properly close the Management Facility or Facilities, to pay costs incurred during the term of this Agreement and to defend, indemnify and hold harmless pursuant to Clause 20 of this Agreement.

REVISION 4. Clause 3 "Payment" is renamed and amended as follows: Payment, Reporting and Funding

- 3.1.1. Payment. The total obligation of the State under this Agreement will not exceed \$600,000 annually (between 14 Regional Programs), unless the MPCA determines to distribute uncommitted appropriations remaining after settlement of MPCA expenses at the end of a biennium or if 3.1.2. applies.
- 3.1.2. If the MPCA enters into income agreements with a 3rd-party funding entity or receives additional appropriations to fund work that is done by the Commission, the Commission shall be reimbursed per the income agreement or appropriation allocation formula.
- **3.2** Funding Terms for HHW Program Operations. The terms outlined in t This section describes the method used to determine the amount paid to the Commission for the purpose of funding HHW activities Program Operations in the Region as a whole. The Commission may allocate the funding provided by the MPCA among the Co-Sponsoring Counties in any manner agreeable to the Co-Sponsoring Counties and the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.

Subject to the eligibility conditions in this Agreement and the amount appropriated to the MPCA for operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the Commission to reimburse a portion of the Regional HHW Program's expenses. The MPCA may periodically adjust the

CR 5183 4

amount payable to the Commission, based on the total funds available to the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement. Payment amounts are not guaranteed.

The Base Funding Amount for each state fiscal year will be determined and communicated to the Commission on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount the MPCA dedicates to the Regional HHW Programs to provide a HHW Program in accordance with Minn. Stat. §115A.96.

The MPCA will utilize the completed and certified reports Program data submitted by the Commission's Authorized Representative as described in Clause 3.4 below to make payments of the Regional Program Operation and Waste Management for the Program Operations Stipend and the Supplemental Stipend as described in Clause 3.3.

The MPCA may allocate uncommitted appropriations remaining after settlement of MPCA expenses to Supplemental Stipends within 60 30 days of the end of the biennium, on or before August July 31. The MPCA will pay the Supplemental Stipend Amount in full to the Commission by August 31 after the end of each biennium.

If MPCA budgetary reductions occur after payments have been made that result in excessive payments, the Commission agrees to return the excess amount to the MPCA within 60 days of the date of MPCA's written notice to the Commission of the budget reduction and the excess amount to be returned.

3.3 Funding Formula for HHW Program Operations.

The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = $((Base Funding Amount \times \frac{1}{2})/80) \times 5$

+

(Base Funding Amount x 1/2) x

[(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

The MPCA will determine the Supplemental Stipend Amount by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x 1/2) / 80) x 5

+

[(Supplemental Funding Amount x ½) x

(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

If a Co-Sponsoring Commission changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated between the Regional Programs that the Co-Sponsoring Commission was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a Co-Sponsoring Commission was affiliated with a Regional Program and on the participants

5

served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and the affected Regional Programs.

3.4 Annual Reporting for HHW Program Operations.

The MPCA will provide electronic copies of the Participation, Program Cost and Waste Management Report forms (Report) in Attachment A to the Commission. The Commission will forward the Report to all Co-Sponsoring Counties listed in Definition 1.3 of this Agreement and instruct them on how to complete the Report. The Commission will collect Reports from all Co-Sponsoring Counties and verify that the Reports are complete and that the participation totals are accurate. The Commission will complete the Participation Certification and Invoice Form (Form) and submit the Form and all electronic Reports to the State's Authorized Representative on or before April 1st of each year.

The Commission shall enter calendar year participation, financial, and waste stream data for its HHW and VSQG Programs into the Agency's HHW and VSQG Report Database (Database) at least annually. The Database access will be provided by the State's Authorized Representative (SAR) by January 1 of each year. The Commission will forward access information to all Co-Sponsoring Counties and instruct them on how to enter Program data. The Commission will verify that the Program data entered for or by each Co-Sponsoring Commission is complete and that the participation totals are accurate. Alternately, the Commission may enter HHW and VSQG data into the Database for each of the counties listed in Clause 1.8 of this Agreement. Annual data entry shall be completed by April 1 of each year. Upon completion of Regional Program data entry, the Program's Authorized Representative shall notify the SAR that data entry is complete by providing a signed certification form provided by the SAR. The SAR may review the Program data and may require the Commission to make corrections to the data if errors are found.

Participation will be determined by the State's Authorized Representative and will be based on the Program data provided in accordance with Clause 3.4 of this Agreement using the following:

- Qualified Participating Households are as follows: O only those participants delivering residential Household Hazardous Waste generated within Minnesota to a Regional Program or Co-Sponsoring Commission such that they may will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of
 households may be counted as qualified participating households, provided proper
 documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted.
- Participants that <u>only</u> deliver only one or more of the following wastes will not be counted <u>as qualified participating households</u>: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events, compressed gas cylinders, pharmaceuticals, sharps, ammunition and/or fireworks.

CR 5183 6

- Participants that only come to remove items from product exchange shelves will not be counted as qualified participating households.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.
- Participants from HHW collection efforts related to natural disasters will be evaluated by the State for qualification on a case-by-case basis.
- Business Waste-Very Small Quantity Generators will not be counted.

The Form and Reports submitted Program data provided and certified as complete by the Commission by on or before April 1 of each year will be considered final. If the Commission does not submit Reports to the MPCA provide Program data using the access system and certify completion on or before April 1, the Commission will not be eligible for the Stipend Amounts for that fiscal year. If the Commission does not submit and certify Reports Program data from one or more Co-Sponsoring Counties, the amount of the Stipend received by the Commission will be reduced based on the formulas in Clause 3.3 of this Agreement. The State's Authorized Representative will review and confirm the participation numbers received from each Regional Sponsor and pay the Stipend Amount to the Commission by June 30 of each state fiscal year.

The State shall compile and prepare reports including the information received from the Commission, which will be available to the public in accordance with Clause 16 of this Agreement. The State shall provide the Commission's Authorized Representative with a copy of any reports it prepares for the legislature or other entities that includes data submitted by the Commission. The State shall compile and prepare reports summarizing information received on the statewide Program, subject to the limitations of the State's database, available staff time and the quality of report data received from Programs.

3.5 Reporting for Product Stewardship Activities.

The Commission shall provide the reporting information outlined in Exhibit A per the format described in Exhibit B to the State within 30 days of the end of each calendar year quarter.

3.6 Funding Terms for Reimbursement of Product Stewardship Activities.

The MPCA will reimburse the Commission for approved Product Stewardship Authorized Activities listed in Exhibit A in accordance with the associated rate.

To receive payment for Product Stewardship Activities, the Commission shall provide the MPCA an invoice for the appropriate coverage period, Product Stewardship Authorized Activities, and the amount of payment being requested. Each invoice shall contain appropriate documentation justifying the payment request. The documentation may include shipping documents that show what was completed for the appropriate Product Stewardship Activity, summarized waste reports, and itemized expenses that are eligible for reimbursement.

The reporting and invoice information outlined in Exhibit B for Authorized Activities shall be submitted to the MPCA per the following schedule:

- 1. For the initial invoice period, November 1, 2014 through June 30, 2015 by August 31, 2015;
- 2. Successive invoice periods are as follows:
 - a. July 1 through December 31: by January 31 of the succeeding year, and
 - b. January 1 through June 30: by July 31 of the current year.

3.7 Reimbursement Process for completion of Authorized Activities

Within 30 days of receipt of the required information from the Commission, the MPCA shall prepare a summary invoice representing the cost of all counties seeking payment for the management of Authorized Activities. The MPCA shall deliver the summary invoice with all information submitted by the counties to the product stewardship representative for review. All invoice discrepancies or questions for specific Commission invoices shall be resolved between the product stewardship representative and the appropriate Commission. The Product Stewardship entity shall forward, within 60 days of the MPCA summary invoice date, payment for work performed and all documentation of the final-approved payments. The MPCA shall distribute this payment to the Commission per the final-approved payment. The Commission is responsible for distributing payments to Co-Sponsoring Counties within the Regional Program.

REVISION 5. Clause 5 "Education and Waste Reduction Program" is amended as follows:

The Commission shall operate an education and waste reduction program in coordination with the State and in accordance with Minn. Stat. §115A.96, Subd. 6(a). The purpose of the program is to assist and inform the public concerning the proper management, identification, and reduction of Program Wastes. The State shall make education and waste reduction materials available to the Commission. The Commission may work with a Product Stewardship entity to develop, share or use materials with that entity. The Commission shall not utilize the name of the Product Stewardship entity, their mark, or their logo without first obtaining written consent from the Product Stewardship entity.

REVISION 6. Clause 6 "Program Operations and Training" is amended as follows:

6.1 Training.

The State and the Commission will jointly develop a training program that may be accessed by the Commission staff. This training program may contain information from Product Stewardship entities or other entities that partner with Counties in managing Program Wastes or Program Products.

6.2 Standard Operating Procedures.

The State shall work with the Commission to develop and make available generic standard operating procedures. The Commission shall develop Program specific standard operating procedures based on the generic standards available on the MPCA's website. The Program specific standards shall not be less restrictive than the generic standards.

REVISION 7. Clause 7 "Waste Acceptance and Management" is amended as follows:

- 7.1 The Commission shall provide for the operation of Management Facilities in accordance with this Agreement and all applicable <u>federal and state</u> rules, regulations, standards, and permit requirements. If a Management Facility is privately owned or operated, the Commission shall require the private owner or operator to meet the conditions and requirements set forth in this Agreement.
- 7.2 The Commission shall collect, store or otherwise manage HHW and may collect, store or otherwise manage Optional Program Wastes listed in Clause 7.3 below upon obtaining all applicable governmental approvals. The Commission may manage any waste listed below and commingle said wastes with HHW and manage said wastes under the ID Number acquired by the State. The State shall complete the "Notification of Regulated Waste Activity" form and acquire the ID Number solely in the name of the State for each Management

Facility that requires an ID Number. The ID Number shall be used for transportation and disposal of all Program Wastes collected at a Management Facility. The Commission may also choose to obtain or retain its own ID Numbers for its Management Facilities, if the wastes are managed in accordance with this Agreement and all applicable rules, regulations, permits, and policies.

- 7.3 Program Wastes which may be accepted and commingled with HHW and which may be shipped under the State's ID number include:
 - (a) HHW generated outside the service area and which is accepted in accordance with M.R. Part 7045.0310, subp 6;
 - (b) Hazardous wastes generated by a VSQG;
 - (c) Abandoned wastes that the Commission agrees to manage;
 - (d) Federal Universal Waste, defined in the Code of Federal Regulations, title 40, section 273.9, and in M.R. Part 7045.1400 including: fluorescent or high-intensity discharge lamps, mercury-containing devices, pesticides, and batteries; and any additional waste streams added to the Federal Universal Waste list that are adopted by the State during the term of this Agreement;
 - (e) Architectural Paint or Program Products;
 - (f) Electronic Waste; and
 - (g) Latex wastes, used oil and used oil filters, antifreeze, sharps and any other wastes managed under the State Contracts listed in 1.1929 through 1.31.

However, if the Commission seeks reimbursement under Clause 3.6, Architectural Paint and Program Wastes may not be commingled.

- 7.4 At the expiration of this Agreement, or at the time of cancelation of this Agreement by either party, the Commission and its contractor shall cease to use the ID Number acquired by the State. If Hazardous Waste will no longer be manifested from the Management Facility, the State will cancel the ID number. If the Commission plans to continue to manifest Hazardous Waste from a Management Facility the Commission shall, within 7 days of cancellation or non-renewal, submit a "Subsequent Notification" form to the entity authorized to assign ID Numbers. The Commission shall provide, to the State's Authorized Representative, documentation confirming that the number has been reassigned within 30 days of expiration or cancellation of this Agreement.
- 7.5 Nothing in this Agreement is intended to preclude the collection, management, or storage of waste which is not Program Wastes at the Management Facility, provided that the Commission neither commingles the waste with Program Wastes nor uses the State's ID number when shipping said waste.

REVISION 8. Clause 8 "Manifesting" is renamed as follows: Manifesting Manifest Signature. The content of the clause is unchanged.

REVISION 9. Clause 11 (11.4 and 11.6) "State Contractor Services" is amended as follows:

11.4 The State shall investigate and resolve matters related to the failure of the State's Authorized Transporters to perform services in accordance with the terms of the State Contracts listed in Clause 1.1930. The State shall notify the Commission when it receives notice of a release to the environment by a State's Authorized Transporter.

11.6 The Commission is encouraged, but not required, to use State Contractor Services for the operation of a Management Facility. If the Commission chooses to use a transporter other than the State's Authorized Transporter for the management of Program Wastes, the provisions of Clause 20.2 of this Agreement shall not apply to such Program Wastes. The Commission and Co-Sponsoring Counties shall use State Contractor Services for the off-site management of Architectural Paint or Program Products for which the Commission and Co-Sponsoring Counties seek reimbursement in accordance with Clause 3.6 of this Agreement.

REVISION 10. Attachment A, "Annual Household Hazardous Waste Reporting Form for Metropolitan Counties" is hereby removed in its entirety from the Agreement.

REVISION 11. Exhibit A "Authorized Activity List and Pricing Formulas", Exhibit B, "Reporting and Invoicing Information", and Exhibit C "Participating Authorized Counties" are added. All Exhibits referenced in this amendment are made part of this agreement.

Except as amended herein, the terms and conditions of the Original Agreement and all previous amendments remain in full force and effect.

Document Signature Details -- External User

Order	Ext. User	Status	Actual Singer	Name	Title	Date/Time	Comments
1	VN0000212783_1	Signed	VN0000212783_1	JANELLE	EXTERNAL	08/28/2015 at	
				TROUPE		01:02 PM	
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Document Signature Details -- Internal Users

Order	Туре	Role/User	Status	Actual Signer	Name	Title	Date/Time	Comments
1	Role	M_FS_WF _SC_DOC_ SIGNER_0 1	Signed	01039179	Mary T Ecker	Encumbrance VerificationSi gner	August 28, 2015 at 03:18 PM	
2	Role	M_FS_WF _SC_DOC_ SIGNER_0 2	Signed	01024689	Myrna Halbach	State Agency Signer	August 28, 2015 at 03:39 PM	
3	Role	M_FS_WF _SC_DOC_ SIGNER_O 3	Signed	01155053	Christina K Wong	MMD P/T Dept of Admin Signer	August 31, 2015 at 03:05 PM	MMD NO. 32371 - DESPITE AMENDME NT DRAFTING ERRORS, APPROVED UPON RECEIVING MPCA'S DETERMINA TION OF THE RISK LEVEL



Professional/Technical Contract Amendment #1

State of Minnesota

SWIFT Contract No.: 000000000000000000055526

Agreement Start Date:	January 1, 2013	Total Agreement Amount:	\$ N/A
Original Agreement Expiration Date:	December 31, 2017	Original Agreement:	\$ N/A
Current Agreement Expiration Date:	December 31, 2017	Previous Amendment(s) Total:	\$ N/A
Requested Agreement Expiration Date:	N/A	This Amendment:	\$ N/A

This amendment is by and between the State of Minnesota, through its Commissioner of the **Minnesota Pollution Control Agency**, 520 Lafayette Road North, St. Paul, MN 55155 (hereinafter "the State") and **East Central Solid Waste Commission**, PO Box 29, Mora, MN 55051, (hereinafter the "Commission").

Amendment Recitals

- The State has an agreement with the Commission identified as SWIFT Contract No.:
 00000000000000000000055526, to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans.
- This Amendment will incorporate the Paint Care requirements into the JPA and change the reporting methods.
- 3. The State and the Commission are willing to amend the Original Agreement as stated below

Agreement Amendment

In this Amendment, changes to pre-existing Agreement language will use strike through for deletions and underlining for insertions.

REVISION 1. "Recitals" are amended as follows:

WHEREAS, This Agreement is made under the State's authority of Minn. Stat. §§115A.46, 115A.96, 116.03 and 471.59, and under the Commission's authority of Minn. Stat. §§375.21, 473.801 through 473.834 and 471.59, and Minn. Stat. Ch. 400.

WHEREAS, The Minnesota Pollution Control Agency is required by Minn. Stat. §115A.96 to establish a statewide program to manage household hazardous wastes ("HHW"). Minn. Stat. §115A.96, Subd. 3, provides that the statewide HHW program may be provided directly by the State or by contract with public or private entities.

WHEREAS, The Commission wishes to partner with the MPCA to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans. The Commission will comply with the terms of this Agreement and all applicable Federal, State and local rules, regulations, ordinances and permit

conditions and provide environmentally sound and safe management options for Program Wastes and encourage, to the extent feasible, reduction, reuse, recycling and safe storage and management of Program Wastes.

WHEREAS, the parties wish to allocate the risks and responsibilities resulting from operation of the HHW program, and to incorporate the provisions of Minn. Stat. §115A.96, Subd. 7, into this Agreement.

WHEREAS, The parties wish to incorporate payment terms into this Agreement regarding the Commission's participation in a product stewardship program for architectural paint.

NOW, THEREFORE, The parties, for valuable consideration received, make the following Agreement:

REVISION 2. Clause 1. "Definitions" is amended as follows:

Terms as used in this Agreement shall have the following meanings:

- 1.1 Agency's Authorized Transporter. A transporter authorized to provide transportation or waste management services pursuant to a State Contract for transportation or management of Program Wastes as referred to in Minn. Stat. §115A.96, Subd. 7.
- **1.2** Architectural Paint. Interior and exterior coatings listed in the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.3 Authorized Activities. The list of activities contained in Exhibit A that may be performed by the Commission for compensation in accordance with this Agreement.
- 1.4 Authorized Facility or Authorized Facilities. A facility or facilities authorized by the State to store, blend, treat, reclaim, recycle, incinerate or dispose of Program Waste in accordance with State Contracts and this Agreement.
- 1.5 <u>Bulking. The activity of opening individual cans of any product, including architectural paint,</u> and consolidating them into 55-gallon drums.
- 1.6 Collected/Collection. The activity of accepting products from the public at a household hazardous waste Collection Site or Event, and then packing those products for transportation.
- Collection Site. A permanent or temporary designated location with scheduled hours for collection where the public may bring household hazardous wastes, including architectural paint.
- 1.8 Co-Sponsoring Commission. A Commission or other governmental unit located partially or completely within the Service Area or Regional Program that has signed an agreement for participation in the Program. The Co-Sponsoring Counties for this Agreement include those listed in Exhibit C.
- 1.9 Electronic Waste. Devices containing complex circuitry, circuit boards and/or signal processing capabilities for processing and/or displaying information. Electronic waste may include, but is not limited to, computers and computer peripherals and laboratory, communications, audio, video and office equipment.
- 1.10 Event. A temporary Collection Site that accepts Authorized Wastes (Program Products) for a limited period of time. Event Collection. An Event Collection is a collection site temporarily designed and set up to safely and efficiently collect and package Program Wastes for reuse or for transportation to a permanent Management Facility or a permitted waste management facility.
- 1.11 Hazardous Waste. Waste as defined in Minn. Stat. §116.06, Subd. 11.
- 1.12 Household. Household as defined in Minn. Stat. §115A.96, 5ubd. 1(a).

- 1.13 Household Hazardous Waste (HHW). Waste as defined in Minn. Stat. §115A.96, Subd. 1(b).
- **1.14 ID Number.** The site-specific identification number that the 5tate obtains for the Program in accordance with Clause 7.2 of this Agreement.
- 1.15 Internal Transportation. The use of Commission employees or independent contractors selected by the authorized Commission to transport Program Products from one Collection Site or Event to be consolidated at another Collection Site or Event.
- 1.16 Management Facility. One or more permanent, temporary, mobile, satellite, or event collection sites located in the Service Area that accept Program Wastes for proper collection, management and storage. A Management Facility may be publicly or privately owned and/or operated.
- 1.17 Optional Program Wastes. Wastes listed in Clause 7.3 of this Agreement.
- 1.18 Processing. The bulking, treatment or recycling, and/or disposal of Program Products.
- 1.19 Processing Facility. A non-Collection Site where Processing occurs.
- 1.20 Product Stewardship. A product-centered approach to environmental protection that calls on those in the product life cycle manufacturers, retailers, users, and disposers to share responsibility for reducing the environmental impacts of products.
- **1.21 Program.** The Program operated by the Commission and the State, pursuant to this Agreement, which shall include the following major elements: (1) an HHW education and waste reduction program; and (2) a Management Facility or Facilities.
- 1.22 <u>Program Products. The products collected under the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.</u>
- 1.23 Program Wastes. HHW and Optional Program Wastes listed in Clause 7.3 of this Agreement.
- **1.24** Reciprocal Use Agreements. Agreements entered into by the Commission allowing use of a Management Facility for Program Waste generated outside the Service Area.
- 1.25 Regional Program. The Program or services provided by two or more counties acting jointly to manage a Program.
- **1.26 Regional Sponsor.** The lead Commission or governmental unit of a Regional Program that has an Agreement contract-with the State to operate a Program.
- **1.27** Reuse. The activity of providing or donating collected architectural paint to the public for its original purpose.
- 1.28 Service Area. The area included within the boundaries of the Commission or Regional Program.
- 1.29 State Contract. Contracts entered into by the State of Minnesota and that are made available for the off-site management of HHW generated by Commission HHW Programs under the State's Cooperative Purchasing Venture established pursuant to Minn. Stat. §16C.03, subdivision 10. Entities eligible to participate under the cooperative purchasing venture are described in Minn. Stat. §16C.105.
- 1.30 State Contracts. Contracts entered into by the State and that are made available for the management of Program Wastes. These include: H-69(5) Hazardous Waste Management; H-79(5) Fluorescent Lamp, Lamp Ballast and Mercury Containing Materials and Residuals Transportation and Management; H-90(5) Used Electronic and Electronic Component Recycling and Management; Waste Disposal; W-192(S) Infectious (Biomedical); and H-94(5) Used Oil, Filter, Absorbent and Antifreeze Management.
- 1.31 State Contractor Services. Waste management services performed for Program activities and made available by the State through its contracts with waste management firms. Waste management services include supplying materials, receiving and sorting Program Wastes,

CR 5183 3

- packaging, repackaging, consulting, training, sampling, analysis, treatment, transportation, storage, recycling, processing and disposal.
- 1.32 State Hazardous Waste Rules. The Minnesota Pollution Control Agency Rules, Chapters 7045 and 7001.
- 1.33 State's Authorized Transporter. Has the same meaning as the Agency's Authorized Transporter.
- 1.34 Universal Waste. Universal Waste has the meaning given at Code of Federal Regulations, title 40, section 273.9. Minnesota adopted the Federal Universal Waste Regulations in accordance with M. R. Part 7045.1400.
- 1.35 VSQG or Very Small Quantity Generator. A Hazardous Waste generator who is classified as a VSQG in accordance with M. R. Part 7045.0206, and who has not lost VSQG status due to quantity of generation or over-accumulation.
- 1.36 VSQG Wastes. Hazardous Wastes generated by a VSQG.

REVISION 3. Clause 2 "TERM OF AGREEMENT" is amended as follows:

- **2.1 Effective date: January 4 3, 2013** *or* the date the State obtains all required signatures under Minn. Stat.s § Section 16C.05, Subd. 2, whichever is later.
- 2.2 Expiration date: December 31, 2017, unless earlier terminated by law or in accordance with Clause 23 or 24 of this Agreement. It is the intent of the parties that termination or expiration of this Agreement shall not relieve the parties of the obligations assumed under this Agreement that occur after termination or expiration, including without limitation, the obligations to properly close the Management Facility or Facilities, to pay costs incurred during the term of this Agreement and to defend, indemnify and hold harmless pursuant to Clause 20 of this Agreement.

REVISION 4. Clause 3 "Payment" is renamed and amended as follows: Payment, Reporting and Funding

- 3.1.1. Payment. The total obligation of the State under this Agreement will not exceed \$600,000 annually (between 14 Regional Programs), unless the MPCA determines to distribute uncommitted appropriations remaining after settlement of MPCA expenses at the end of a biennium or if 3.1.2. applies.
- 3.1.2. If the MPCA enters into income agreements with a 3rd-party funding entity or receives additional appropriations to fund work that is done by the Commission, the Commission shall be reimbursed per the income agreement or appropriation allocation formula.
- 3.2 Funding Terms for HHW Program Operations. The terms outlined in t-This section describes the method used to determine the amount paid to the Commission for the purpose of funding HHW activities Program Operations in the Region as a whole. The Commission may allocate the funding provided by the MPCA among the Co-Sponsoring Counties in any manner agreeable to the Co-Sponsoring Counties and the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.

Subject to the eligibility conditions in this Agreement and the amount appropriated to the MPCA for operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the Commission to reimburse a portion of the Regional HHW Program's expenses. The MPCA may periodically adjust the

CR 5183 4

amount payable to the Commission, based on the total funds available to the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement. Payment amounts are not guaranteed.

The Base Funding Amount for each state fiscal year will be determined and communicated to the Commission on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount the MPCA dedicates to the Regional HHW Programs to provide a HHW Program in accordance with Minn. Stat. §115A.96.

The MPCA will utilize the completed and certified reports Program data submitted by the Commission's Authorized Representative as described in Clause 3.4 below to make payments of the Regional Program Operation and Waste Management for the Program Operations Stipend and the Supplemental Stipend as described in Clause 3.3.

The MPCA may allocate uncommitted appropriations remaining after settlement of MPCA expenses to Supplemental Stipends within 60 30 days of the end of the biennium, on or before August July 31. The MPCA will pay the Supplemental Stipend Amount in full to the Commission by August 31 after the end of each biennium.

If MPCA budgetary reductions occur after payments have been made that result in excessive payments, the Commission agrees to return the excess amount to the MPCA within 60 days of the date of MPCA's written notice to the Commission of the budget reduction and the excess amount to be returned.

3.3 Funding Formula for HHW Program Operations.

The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = $((Base Funding Amount \times \frac{1}{2})/80) \times 5$

4

(Base Funding Amount x ½) x

[(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

The MPCA will determine the Supplemental Stipend Amount by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x ½) / 80) x 5

+

[(Supplemental Funding Amount x ½) x

(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

If a Co-Sponsoring Commission changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated between the Regional Programs that the Co-Sponsoring Commission was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a Co-Sponsoring Commission was affiliated with a Regional Program and on the participants

served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and the affected Regional Programs.

3.4 Annual Reporting for HHW Program Operations.

The MPCA will provide electronic copies of the Participation, Program Cost and Waste Management Report forms (Report) in Attachment A to the Commission. The Commission will forward the Report to all Co Sponsoring Counties listed in Definition 1.3 of this Agreement and instruct them on how to complete the Report. The Commission will collect Reports from all Co-Sponsoring Counties and verify that the Reports are complete and that the participation totals are accurate. The Commission will complete the Participation Certification and Invoice Form (Form) and submit the Form and all electronic Reports to the State's Authorized Representative on or before April 1st of each year.

The Commission shall enter calendar year participation, financial, and waste stream data for its HHW and VSQG Programs into the Agency's HHW and VSQG Report Database (Database) at least annually. The Database access will be provided by the State's Authorized Representative (SAR) by January 1 of each year. The Commission will forward access information to all Co-Sponsoring Counties and instruct them on how to enter Program data. The Commission will verify that the Program data entered for or by each Co-Sponsoring Commission is complete and that the participation totals are accurate. Alternately, the Commission may enter HHW and VSQG data into the Database for each of the counties listed in Clause 1.8 of this Agreement. Annual data entry shall be completed by April 1 of each year. Upon completion of Regional Program data entry, the Program's Authorized Representative shall notify the SAR that data entry is complete by providing a signed certification form provided by the SAR. The SAR may review the Program data and may require the Commission to make corrections to the data if errors are found.

Participation will be determined by the State's Authorized Representative and will be based on the Program data provided in accordance with Clause 3.4 of this Agreement using the following:

- Qualified Participating Households are as follows: O only those participants delivering residential Household Hazardous Waste generated within Minnesota to a Regional Program or Co-Sponsoring Commission such that they may will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of
 households may be counted as qualified participating households, provided proper
 documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted.
- Participants that <u>only</u> deliver only one or more of the following wastes will not be counted <u>as qualified participating households</u>: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events, compressed gas cylinders, pharmaceuticals, sharps, ammunition and/or fireworks.

CR 5183 6

- Participants that only come to remove items from product exchange shelves will not be counted as qualified participating households.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.
- Participants from HHW collection efforts related to natural disasters will be evaluated by the State for qualification on a case-by-case basis.
- Business Waste-Very Small Quantity Generators will not be counted.

The Form and Reports submitted Program data provided and certified as complete by the Commission by on or before April 1 of each year will be considered final. If the Commission does not submit Reports to the MPCA provide Program data using the access system and certify completion on or before April 1, the Commission will not be eligible for the Stipend Amounts for that fiscal year. If the Commission does not submit and certify Reports Program data from one or more Co-Sponsoring Counties, the amount of the Stipend received by the Commission will be reduced based on the formulas in Clause 3.3 of this Agreement. The State's Authorized Representative will review and confirm the participation numbers received from each Regional Sponsor and pay the Stipend Amount to the Commission by June 30 of each state fiscal year.

The State shall compile and prepare reports including the information received from the Commission, which will be available to the public in accordance with Clause 16 of this Agreement. The State shall provide the Commission's Authorized Representative with a copy of any reports it prepares for the legislature or other entities that includes data submitted by the Commission. The State shall compile and prepare reports summarizing information received on the statewide Program, subject to the limitations of the State's database, available staff time and the quality of report data received from Programs.

3.5 Reporting for Product Stewardship Activities.

The Commission shall provide the reporting information outlined in Exhibit A per the format described in Exhibit B to the State within 30 days of the end of each calendar year quarter.

3.6 Funding Terms for Reimbursement of Product Stewardship Activities.

<u>The MPCA will reimburse the Commission for approved Product Stewardship Authorized</u>
Activities listed in Exhibit A in accordance with the associated rate.

To receive payment for Product Stewardship Activities, the Commission shall provide the MPCA an invoice for the appropriate coverage period, Product Stewardship Authorized Activities, and the amount of payment being requested. Each invoice shall contain appropriate documentation justifying the payment request. The documentation may include shipping documents that show what was completed for the appropriate Product Stewardship Activity, summarized waste reports, and itemized expenses that are eligible for reimbursement.

The reporting and invoice information outlined in Exhibit 8 for Authorized Activities shall be submitted to the MPCA per the following schedule:

- 1. For the initial invoice period, November 1, 2014 through June 30, 2015 by August 31, 2015;
- 2. Successive invoice periods are as follows:
 - a. July 1 through December 31: by January 31 of the succeeding year, and
 - b. January 1 through June 30: by July 31 of the current year.

3.7 Reimbursement Process for completion of Authorized Activities

Within 30 days of receipt of the required information from the Commission, the MPCA shall prepare a summary invoice representing the cost of all counties seeking payment for the management of Authorized Activities. The MPCA shall deliver the summary invoice with all information submitted by the counties to the product stewardship representative for review. All invoice discrepancies or questions for specific Commission invoices shall be resolved between the product stewardship representative and the appropriate Commission. The Product Stewardship entity shall forward, within 60 days of the MPCA summary invoice date, payment for work performed and all documentation of the final-approved payments. The MPCA shall distribute this payment to the Commission per the final-approved payment. The Commission is responsible for distributing payments to Co-Sponsoring Counties within the Regional Program.

REVISION 5. Clause 5 "Education and Waste Reduction Program" is amended as follows:

The Commission shall operate an education and waste reduction program in coordination with the State and in accordance with Minn. Stat. §115A.96, Subd. 6(a). The purpose of the program is to assist and inform the public concerning the proper management, identification, and reduction of Program Wastes. The State shall make education and waste reduction materials available to the Commission. The Commission may work with a Product Stewardship entity to develop, share or use materials with that entity. The Commission shall not utilize the name of the Product Stewardship entity, their mark, or their logo without first obtaining written consent from the Product Stewardship entity.

REVISION 6. Clause 6 "Program Operations and Training" is amended as follows:

6.1 Training.

The State and the Commission will jointly develop a training program that may be accessed by the Commission staff. This training program may contain information from Product Stewardship entities or other entities that partner with Counties in managing Program Wastes or Program Products.

6.2 Standard Operating Procedures.

The State shall work with the Commission to develop and make available generic standard operating procedures. The Commission shall develop Program specific standard operating procedures based on the generic standards available on the MPCA's website. The Program specific standards shall not be less restrictive than the generic standards.

REVISION 7. Clause 7 "Waste Acceptance and Management" is amended as follows:

- 7.1 The Commission shall provide for the operation of Management Facilities in accordance with this Agreement and all applicable <u>federal and state</u> rules, regulations, standards, and permit requirements. If a Management Facility is privately owned or operated, the Commission shall require the private owner or operator to meet the conditions and requirements set forth in this Agreement.
- 7.2 The Commission shall collect, store or otherwise manage HHW and may collect, store or otherwise manage Optional Program Wastes listed in Clause 7.3 below upon obtaining all applicable governmental approvals. The Commission may manage any waste listed below and commingle said wastes with HHW and manage said wastes under the ID Number acquired by the State. The State shall complete the "Notification of Regulated Waste Activity" form and acquire the ID Number solely in the name of the State for each Management

Facility that requires an ID Number. The ID Number shall be used for transportation and disposal of all Program Wastes collected at a Management Facility. The Commission may also choose to obtain or retain its own ID Numbers for its Management Facilities, if the wastes are managed in accordance with this Agreement and all applicable rules, regulations, permits, and policies.

- 7.3 Program Wastes which may be accepted and commingled with HHW and which may be shipped under the State's ID number include:
 - (a) HHW generated outside the service area and which is accepted in accordance with M.R. Part 7045.0310, subp 6;
 - (b) Hazardous wastes generated by a VSQG;
 - (c) Abandoned wastes that the Commission agrees to manage;
 - (d) Federal Universal Waste, defined in the Code of Federal Regulations, title 40, section 273.9, and in M.R. Part 7045.1400 including: fluorescent or high-intensity discharge lamps, mercury-containing devices, pesticides, and batteries; and any additional waste streams added to the Federal Universal Waste list that are adopted by the State during the term of this Agreement;
 - (e) Architectural Paint or Program Products;
 - (f) Electronic Waste; and
 - (g) Latex wastes, used oil and used oil filters, antifreeze, sharps and any other wastes managed under the State Contracts listed in 1.4929 through 1.31.

However, if the Commission seeks reimbursement under Clause 3.6, Architectural Paint and Program Wastes may not be commingled.

- 7.4 At the expiration of this Agreement, or at the time of cancelation of this Agreement by either party, the Commission and its contractor shall cease to use the ID Number acquired by the State. If Hazardous Waste will no longer be manifested from the Management Facility, the State will cancel the ID number. If the Commission plans to continue to manifest Hazardous Waste from a Management Facility the Commission shall, within 7 days of cancellation or non-renewal, submit a "Subsequent Notification" form to the entity authorized to assign ID Numbers. The Commission shall provide, to the State's Authorized Representative, documentation confirming that the number has been reassigned within 30 days of expiration or cancellation of this Agreement.
- 7.5 Nothing in this Agreement is intended to preclude the collection, management, or storage of waste which is not Program Wastes at the Management Facility, provided that the Commission neither commingles the waste with Program Wastes nor uses the State's ID number when shipping said waste.

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11.4 The State shall investigate and resolve matters related to the failure of the State's Authorized Transporters to perform services in accordance with the terms of the State Contracts listed in Clause 1.1930. The State shall notify the Commission when it receives notice of a release to the environment by a State's Authorized Transporter.

11.6 The Commission is encouraged, but not required, to use State Contractor Services for the operation of a Management Facility. If the Commission chooses to use a transporter other than the State's Authorized Transporter for the management of Program Wastes, the provisions of Clause 20.2 of this Agreement shall not apply to such Program Wastes. The Commission and Co-Sponsoring Counties shall use State Contractor Services for the off-site management of Architectural Paint or Program Products for which the Commission and Co-Sponsoring Counties seek reimbursement in accordance with Clause 3.6 of this Agreement.

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REVISION 11. Exhibit A "Authorized Activity List and Pricing Formulas", Exhibit B, "Reporting and Invoicing Information", and Exhibit C "Participating Authorized Counties" are added. All Exhibits referenced in this amendment are made part of this agreement.

Except as amended herein, the terms and conditions of the Original Agreement and all previous amendments remain in full force and effect.

Document Signature Details -- External User

Order	Ext. User	Status	Actual Singer	Name	Title	Date/Time	Comments
1	VN0000212783_1	Signed	VN0000212783_1	JANELLE	EXTERNAL	08/28/2015 at	-
				TROUPE		01:02 PM	

Document Signature Details -- Internal Users

Order	Туре	Role/User	Status	Actual Signer	Name	Title	Date/Time	Comments
1	Role	M_FS_WF _SC_DOC_ SIGNER_0 1	Signed	01039179	Mary T Ecker	Encumbrance VerificationSi gner	August 28, 2015 at 03:18 PM	
2	Role	M_FS_WF _SC_DOC_ SIGNER_0 2	Signed	01024689	Myrna Halbach	State Agency Signer	August 28, 2015 at 03:39 PM	
3	Role	M_FS_WF _SC_DOC_ SIGNER_0 3	Signed	0115S053	Christina K Wong	MMD P/T Dept of Admin Signer	August 31, 2015 at 03:05 PM	MMD NO. 32371 - DESPITE AMENDME NT DRAFTING ERRORS, APPROVED UPON RECEIVING MPCA'S DETERMINA TION OF THE RISK LEVEL



Professional/Technical Contract Amendment #1

State of Minnesota

SWIFT Contract No.: 000000000000000000055526

Agreement Start Date:	January 1, 2013	Total Agreement Amount:	\$ N/A
Original Agreement Expiration Date:	December 31, 2017	Original Agreement:	\$ N/A
Current Agreement Expiration Date:	December 31, 2017	Previous Amendment(s) Total:	\$ N/A
Requested Agreement Expiration Date:	N/A	This Amendment:	\$ N/A

This amendment is by and between the State of Minnesota, through its Commissioner of the **Minnesota Pollution Control Agency**, 520 Lafayette Road North, St. Paul, MN 55155 (hereinafter "the State") and **East Central Solid Waste Commission**, PO Box 29, Mora, MN 55051, (hereinafter the "Commission").

Amendment Recitals

- The State has an agreement with the Commission identified as SWIFT Contract No.:
 00000000000000000000055526, to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans.
- 2. This Amendment will incorporate the Paint Care requirements into the JPA and change the reporting methods.
- 3. The State and the Commission are willing to amend the Original Agreement as stated below

Agreement Amendment

In this Amendment, changes to pre-existing Agreement language will use strike through for deletions and <u>underlining</u> for insertions.

REVISION 1. "Recitals" are amended as follows:

WHEREAS, This Agreement is made under the State's authority of Minn. Stat. §§115A.46, 115A.96, 116.03 and 471.59, and under the Commission's authority of Minn. Stat. §§375.21, 473.801 through 473.834 and 471.59, and Minn. Stat. Ch. 400.

WHEREAS, The Minnesota Pollution Control Agency is required by Minn. Stat. §115A.96 to establish a statewide program to manage household hazardous wastes ("HHW"). Minn. Stat. §115A.96, Subd. 3, provides that the statewide HHW program may be provided directly by the State or by contract with public or private entities.

WHEREAS, The Commission wishes to partner with the MPCA to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans. The Commission will comply with the terms of this Agreement and all applicable Federal, State and local rules, regulations, ordinances and permit

conditions and provide environmentally sound and safe management options for Program Wastes and encourage, to the extent feasible, reduction, reuse, recycling and safe storage and management of Program Wastes.

WHEREAS, the parties wish to allocate the risks and responsibilities resulting from operation of the HHW program, and to incorporate the provisions of Minn. Stat. §115A.96, Subd. 7, into this Agreement.

WHEREAS, The parties wish to incorporate payment terms into this Agreement regarding the Commission's participation in a product stewardship program for architectural paint.

NOW, THEREFORE, The parties, for valuable consideration received, make the following Agreement:

REVISION 2. Clause 1. "Definitions" is amended as follows:

Terms as used in this Agreement shall have the following meanings:

- **1.1 Agency's Authorized Transporter.** A transporter authorized to provide transportation or waste management services pursuant to a State Contract for transportation or management of Program Wastes as referred to in Minn. 5tat. §115A.96, Subd. 7.
- **1.2** Architectural Paint. Interior and exterior coatings listed in the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.3 Authorized Activities. The list of activities contained in Exhibit A that may be performed by the Commission for compensation in accordance with this Agreement.
- 1.4 Authorized Facility or Authorized Facilities. A facility or facilities authorized by the State to store, blend, treat, reclaim, recycle, incinerate or dispose of Program Waste in accordance with State Contracts and this Agreement.
- 1.5 Bulking. The activity of opening individual cans of any product, including architectural paint, and consolidating them into 55-gallon drums.
- 1.6 Collected/Collection. The activity of accepting products from the public at a household hazardous waste Collection Site or Event, and then packing those products for transportation.
- 1.7 Collection Site. A permanent or temporary designated location with scheduled hours for collection where the public may bring household hazardous wastes, including architectural paint.
- Co-Sponsoring Commission. A Commission or other governmental unit located partially or completely within the Service Area or Regional Program that has signed an agreement for participation in the Program. The Co-Sponsoring Counties for this Agreement include those listed in Exhibit C.
- 1.9 Electronic Waste. Devices containing complex circuitry, circuit boards and/or signal processing capabilities for processing and/or displaying information. Electronic waste may include, but is not limited to, computers and computer peripherals and laboratory, communications, audio, video and office equipment.
- 1.10 Event. A temporary Collection Site that accepts Authorized Wastes (Program Products) for a limited period of time. Event Collection. An Event Collection is a collection site temporarily designed and set up to safely and efficiently collect and package Program Wastes for reuse or for transportation to a permanent Management Facility or a permitted waste management facility.
- 1.11 Hazardous Waste. Waste as defined in Minn. Stat. §116.06, Subd. 11.
- 1.12 Household. Household as defined in Minn. Stat. §115A.96, Subd. 1(a).

- 1.13 Household Hazardous Waste (HHW). Waste as defined in Minn. Stat. § 115A.96, Subd. 1(b).
- **1.14 ID Number.** The site-specific identification number that the State obtains for the Program in accordance with Clause 7.2 of this Agreement.
- 1.15 Internal Transportation. The use of Commission employees or independent contractors selected by the authorized Commission to transport Program Products from one Collection Site or Event to be consolidated at another Collection Site or Event.
- 1.16 Management Facility. One or more permanent, temporary, mobile, satellite, or event collection sites located in the Service Area that accept Program Wastes for proper collection, management and storage. A Management Facility may be publicly or privately owned and/or operated.
- 1.17 Optional Program Wastes. Wastes listed in Clause 7.3 of this Agreement.
- 1.18 Processing. The bulking, treatment or recycling, and/or disposal of Program Products.
- 1.19 Processing Facility. A non-Collection Site where Processing occurs.
- 1.20 Product Stewardship. A product-centered approach to environmental protection that calls on those in the product life cycle manufacturers, retailers, users, and disposers to share responsibility for reducing the environmental impacts of products.
- 1.21 Program. The Program operated by the Commission and the State, pursuant to this Agreement, which shall include the following major elements: (1) an HHW education and waste reduction program; and (2) a Management Facility or Facilities.
- 1.22 Program Products. The products collected under the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.23 Program Wastes. HHW and Optional Program Wastes listed in Clause 7.3 of this Agreement.
- **1.24 Reciprocal Use Agreements.** Agreements entered into by the Commission allowing use of a Management Facility for Program Waste generated outside the Service Area.
- 1.25 Regional Program. The Program or services provided by two or more counties acting jointly to manage a Program.
- **1.26 Regional Sponsor.** The lead Commission or governmental unit of a Regional Program that has an Agreement contract—with the State to operate a Program.
- **1.27** Reuse. The activity of providing or donating collected architectural paint to the public for its original purpose.
- 1.28 Service Area. The area included within the boundaries of the Commission or Regional Program.
- 1.29 State Contracts. Contracts entered into by the State of Minnesota and that are made available for the off-site management of HHW generated by Commission HHW Programs under the State's Cooperative Purchasing Venture established pursuant to Minn. Stat. §16C.03, subdivision 10. Entities eligible to participate under the cooperative purchasing venture are described in Minn. Stat. §16C.105.
- 1.30 State Contracts. Contracts entered into by the State and that are made available for the management of Program Wastes. These include: H-69(5) Hazardous Waste Management; H-79(5) Fluorescent Lamp, Lamp Ballast and Mercury Containing Materials and Residuals Transportation and Management; H-90(5) Used Electronic and Electronic Component Recycling and Management; Waste Disposal; W-192(5) Infectious (Biomedical); and H-94(5) Used Oil, Filter, Absorbent and Antifreeze Management.
- 1.31 State Contractor Services. Waste management services performed for Program activities and made available by the State through its contracts with waste management firms. Waste management services include supplying materials, receiving and sorting Program Wastes,

- packaging, repackaging, consulting, training, sampling, analysis, treatment, transportation, storage, recycling, processing and disposal.
- 1.32 State Hazardous Waste Rules. The Minnesota Pollution Control Agency Rules, Chapters 7045 and 7001.
- 1.33 State's Authorized Transporter. Has the same meaning as the Agency's Authorized Transporter.
- 1.34 Universal Waste. Universal Waste has the meaning given at Code of Federal Regulations, title 40, section 273.9. Minnesota adopted the Federal Universal Waste Regulations in accordance with M. R. Part 7045.1400.
- 1.35 VSQG or Very Small Quantity Generator. A Hazardous Waste generator who is classified as a VSQG in accordance with M. R. Part 7045.0206, and who has not lost VSQG status due to quantity of generation or over-accumulation.
- **1.36 VSQG Wastes.** Hazardous Wastes generated by a VSQG.

REVISION 3. Clause 2 "TERM OF AGREEMENT" is amended as follows:

- **2.1 Effective date: January 4 3, 2013** *or* the date the State obtains all required signatures under Minn. Stat.s § Section 16C.05, Subd. 2, whichever is later.
- 2.2 Expiration date: December 31, 2017, unless earlier terminated by law or in accordance with Clause 23 or 24 of this Agreement. It is the intent of the parties that termination or expiration of this Agreement shall not relieve the parties of the obligations assumed under this Agreement that occur after termination or expiration, including without limitation, the obligations to properly close the Management Facility or Facilities, to pay costs incurred during the term of this Agreement and to defend, indemnify and hold harmless pursuant to Clause 20 of this Agreement.

REVISION 4. Clause 3 "Payment" is renamed and amended as follows: Payment, Reporting and Funding

- 3.1.1. Payment. The total obligation of the State under this Agreement will not exceed \$600,000 annually (between 14 Regional Programs), unless the MPCA determines to distribute uncommitted appropriations remaining after settlement of MPCA expenses at the end of a biennium or if 3.1.2. applies.
- 3.1.2. If the MPCA enters into income agreements with a 3rd-party funding entity or receives additional appropriations to fund work that is done by the Commission, the Commission shall be reimbursed per the income agreement or appropriation allocation formula.
- **3.2** Funding Terms for HHW Program Operations. The terms outlined in to This section describes the method used to determine the amount paid to the Commission for the purpose of funding HHW activities Program Operations in the Region as a whole. The Commission may allocate the funding provided by the MPCA among the Co-Sponsoring Counties in any manner agreeable to the Co-Sponsoring Counties and the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.

Subject to the eligibility conditions in this Agreement and the amount appropriated to the MPCA for operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the Commission to reimburse a portion of the Regional HHW Program's expenses. The MPCA may periodically adjust the

amount payable to the Commission, based on the total funds available to the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement. Payment amounts are not guaranteed.

The Base Funding Amount for each state fiscal year will be determined and communicated to the Commission on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount the MPCA dedicates to the Regional <u>HHW</u> Programs to provide a HHW Program in accordance with Minn. Stat. §115A.96.

The MPCA will utilize the completed and certified reports Program data submitted by the Commission's Authorized Representative as described in Clause 3.4 below to make payments of the Regional Program Operation and Waste Management for the Program Operations Stipend and the Supplemental Stipend as described in Clause 3.3.

The MPCA may allocate uncommitted appropriations remaining after settlement of MPCA expenses to Supplemental Stipends within 60 30 days of the end of the biennium, on or before August July 31. The MPCA will pay the Supplemental Stipend Amount in full to the Commission by August 31 after the end of each biennium.

If MPCA budgetary reductions occur after payments have been made that result in excessive payments, the Commission agrees to return the excess amount to the MPCA within 60 days of the date of MPCA's written notice to the Commission of the budget reduction and the excess amount to be returned.

3.3 Funding Formula for HHW Program Operations.

The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = $((Base Funding Amount \times \frac{1}{2})/80) \times 5$

+

(Base Funding Amount x 1/2) x

[(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

The MPCA will determine the Supplemental Stipend Amount by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x ½) / 80) x 5

+

[(Supplemental Funding Amount x ½) x

(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

If a Co-Sponsoring Commission changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated between the Regional Programs that the Co-Sponsoring Commission was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a Co-Sponsoring Commission was affiliated with a Regional Program and on the participants

served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and the affected Regional Programs.

3.4 Annual Reporting for HHW Program Operations.

The MPCA will provide electronic copies of the Participation, Program Cost and Waste Management Report forms (Report) in Attachment A to the Commission. The Commission will forward the Report to all Co-Sponsoring Counties listed in Definition 1.3 of this Agreement and instruct them on how to complete the Report. The Commission will collect Reports from all Co-Sponsoring Counties and verify that the Reports are complete and that the participation totals are accurate. The Commission will complete the Participation Certification and Invoice Form (Form) and submit the Form and all electronic Reports to the State's Authorized Representative on or before April 1st of each year.

The Commission shall enter calendar year participation, financial, and waste stream data for its HHW and VSQG Programs into the Agency's HHW and VSQG Report Database (Database) at least annually. The Database access will be provided by the State's Authorized Representative (SAR) by January 1 of each year. The Commission will forward access information to all Co-Sponsoring Counties and instruct them on how to enter Program data. The Commission will verify that the Program data entered for or by each Co-Sponsoring Commission is complete and that the participation totals are accurate. Alternately, the Commission may enter HHW and VSQG data into the Database for each of the counties listed in Clause 1.8 of this Agreement. Annual data entry shall be completed by April 1 of each year. Upon completion of Regional Program data entry, the Program's Authorized Representative shall notify the SAR that data entry is complete by providing a signed certification form provided by the SAR. The SAR may review the Program data and may require the Commission to make corrections to the data if errors are found.

Participation will be determined by the State's Authorized Representative and will be based on the Program data provided in accordance with Clause 3.4 of this Agreement using the following:

- Qualified Participating Households are as follows: O only those participants delivering residential Household Hazardous Waste generated within Minnesota to a Regional Program or Co-Sponsoring Commission such that they may will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of
 households may be counted as qualified participating households, provided proper
 documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted
- Participants that <u>only</u> deliver <u>only one or more of</u> the following wastes will not be counted <u>as qualified participating households</u>: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events, compressed gas cylinders, pharmaceuticals, sharps, ammunition and/or fireworks.

- Participants that only come to remove items from product exchange shelves will not be counted <u>as qualified participating households</u>.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.
- Participants from HHW collection efforts related to natural disasters will be evaluated by the State for qualification on a case-by-case basis.
- Business Waste-Very Small Quantity Generators will not be counted.

The Form and Reports submitted Program data provided and certified as complete by the Commission by on or before April 1 of each year will be considered final. If the Commission does not submit Reports to the MPCA provide Program data using the access system and certify completion on or before April 1, the Commission will not be eligible for the Stipend Amounts for that fiscal year. If the Commission does not submit and certify Reports Program data from one or more Co-Sponsoring Counties, the amount of the Stipend received by the Commission will be reduced based on the formulas in Clause 3.3 of this Agreement. The State's Authorized Representative will review and confirm the participation numbers received from each Regional Sponsor and pay the Stipend Amount to the Commission by June 30 of each state fiscal year.

The State shall compile and prepare reports including the information received from the Commission, which will be available to the public in accordance with Clause 16 of this Agreement. The State shall provide the Commission's Authorized Representative with a copy of any reports it prepares for the legislature or other entities that includes data submitted by the Commission. The State shall compile and prepare reports summarizing information received on the statewide Program, subject to the limitations of the State's database, available staff time and the quality of report data received from Programs.

3.5 Reporting for Product Stewardship Activities.

The Commission shall provide the reporting information outlined in Exhibit A per the format described in Exhibit B to the State within 30 days of the end of each calendar year quarter.

3.6 Funding Terms for Reimbursement of Product Stewardship Activities.

The MPCA will reimburse the Commission for approved Product Stewardship Authorized Activities listed in Exhibit A in accordance with the associated rate.

To receive payment for Product Stewardship Activities, the Commission shall provide the MPCA an invoice for the appropriate coverage period, Product Stewardship Authorized Activities, and the amount of payment being requested. Each invoice shall contain appropriate documentation justifying the payment request. The documentation may include shipping documents that show what was completed for the appropriate Product Stewardship Activity, summarized waste reports, and itemized expenses that are eligible for reimbursement.

The reporting and invoice information outlined in Exhibit B for Authorized Activities shall be submitted to the MPCA per the following schedule:

- 1. For the initial invoice period, November 1, 2014 through June 30, 2015 by August 31, 2015;
- 2. Successive invoice periods are as follows:
 - a. July 1 through December 31: by January 31 of the succeeding year, and
 - b. January 1 through June 30: by July 31 of the current year.

3.7 Reimbursement Process for completion of Authorized Activities

Within 30 days of receipt of the required information from the Commission, the MPCA shall prepare a summary invoice representing the cost of all counties seeking payment for the management of Authorized Activities. The MPCA shall deliver the summary invoice with all information submitted by the counties to the product stewardship representative for review. All invoice discrepancies or questions for specific Commission invoices shall be resolved between the product stewardship representative and the appropriate Commission. The Product Stewardship entity shall forward, within 60 days of the MPCA summary invoice date, payment for work performed and all documentation of the final-approved payments. The MPCA shall distribute this payment to the Commission per the final-approved payment. The Commission is responsible for distributing payments to Co-Sponsoring Counties within the Regional Program.

REVISION 5. Clause 5 "Education and Waste Reduction Program" is amended as follows:

The Commission shall operate an education and waste reduction program in coordination with the State and in accordance with Minn. Stat. §115A.96, Subd. 6(a). The purpose of the program is to assist and inform the public concerning the proper management, identification, and reduction of Program Wastes. The State shall make education and waste reduction materials available to the Commission. The Commission may work with a Product Stewardship entity to develop, share or use materials with that entity. The Commission shall not utilize the name of the Product Stewardship entity, their mark, or their logo without first obtaining written consent from the Product Stewardship entity.

REVISION 6. Clause 6 "Program Operations and Training" is amended as follows:

6.1 Training.

The State and the Commission will jointly develop a training program that may be accessed by the Commission staff. This training program may contain information from Product Stewardship entities or other entities that partner with Counties in managing Program Wastes or Program Products.

6.2 Standard Operating Procedures.

The State shall work with the Commission to develop and make available generic standard operating procedures. The Commission shall develop Program specific standard operating procedures based on the generic standards available on the MPCA's website. The Program specific standards shall not be less restrictive than the generic standards.

REVISION 7. Clause 7 "Waste Acceptance and Management" is amended as follows:

- 7.1 The Commission shall provide for the operation of Management Facilities in accordance with this Agreement and all applicable <u>federal and state</u> rules, regulations, standards, and permit requirements. If a Management Facility is privately owned or operated, the Commission shall require the private owner or operator to meet the conditions and requirements set forth in this Agreement.
- 7.2 The Commission shall collect, store or otherwise manage HHW and may collect, store or otherwise manage Optional Program Wastes listed in Clause 7.3 below upon obtaining all applicable governmental approvals. The Commission may manage any waste listed below and commingle said wastes with HHW and manage said wastes under the ID Number acquired by the State. The State shall complete the "Notification of Regulated Waste Activity" form and acquire the ID Number solely in the name of the State for each Management

Facility that requires an ID Number. The ID Number shall be used for transportation and disposal of all Program Wastes collected at a Management Facility. The Commission may also choose to obtain or retain its own ID Numbers for its Management Facilities, if the wastes are managed in accordance with this Agreement and all applicable rules, regulations, permits, and policies.

- 7.3 Program Wastes which may be accepted and commingled with HHW and which may be shipped under the State's ID number include:
 - (a) HHW generated outside the service area and which is accepted in accordance with M.R. Part 7045.0310, subp 6;
 - (b) Hazardous wastes generated by a VSQG;
 - (c) Abandoned wastes that the Commission agrees to manage;
 - (d) Federal Universal Waste, defined in the Code of Federal Regulations, title 40, section 273.9, and in M.R. Part 7045.1400 including: fluorescent or high-intensity discharge lamps, mercury-containing devices, pesticides, and batteries; and any additional waste streams added to the Federal Universal Waste list that are adopted by the State during the term of this Agreement;
 - (e) Architectural Paint or Program Products;
 - (f) Electronic Waste; and
 - (g) Latex wastes, used oil and used oil filters, antifreeze, sharps and any other wastes managed under the State Contracts listed in 1.1929 through 1.31.

However, if the Commission seeks reimbursement under Clause 3.6, Architectural Paint and Program Wastes may not be commingled.

- 7.4 At the expiration of this Agreement, or at the time of cancelation of this Agreement by either party, the Commission and its contractor shall cease to use the ID Number acquired by the State. If Hazardous Waste will no longer be manifested from the Management Facility, the State will cancel the ID number. If the Commission plans to continue to manifest Hazardous Waste from a Management Facility the Commission shall, within 7 days of cancellation or non-renewal, submit a "Subsequent Notification" form to the entity authorized to assign ID Numbers. The Commission shall provide, to the State's Authorized Representative, documentation confirming that the number has been reassigned within 30 days of expiration or cancellation of this Agreement.
- 7.5 Nothing in this Agreement is intended to preclude the collection, management, or storage of waste which is not Program Wastes at the Management Facility, provided that the Commission neither commingles the waste with Program Wastes nor uses the State's ID number when shipping said waste.

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REVISION 9. Clause 11 (11.4 and 11.6) "State Contractor Services" is amended as follows:

11.4 The State shall investigate and resolve matters related to the failure of the State's Authorized Transporters to perform services in accordance with the terms of the State Contracts listed in Clause 1.1930. The State shall notify the Commission when it receives notice of a release to the environment by a State's Authorized Transporter.

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İ	Order	Ext. User	Status	Actual Singer	Name	Title	Date/Time	Comments
1	1	VN0000212783_1	Signed	VN0000212783_1	JANELLE	EXTERNAL	08/28/2015 at	
1					TROUPE		01:02 PM	

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Order	Туре	Role/User	Status	Actual Signer	Name	Title	Date/Time	Comments
1	Role	M_FS_WF _SC_DOC_ SIGNER_0 1	Signed	01039179	Mary T Ecker	Encumbrance VerificationSi gner	August 28, 2015 at 03:18 PM	
2	Role	M_FS_WF _SC_DOC_ SIGNER_0 2	Signed	01024689	Myrna Halbach	State Agency Signer	August 28, 2015 at 03:39 PM	
3	Role	M_FS_WF _5C_DOC_ SIGNER_0 3	Signed	01155053	Christina K Wong	MMD P/T Dept of Admin Signer	August 31, 2015 at 03:05 PM	MMD NO. 32371 - DESPITE AMENDME NT DRAFTING ERRORS, APPROVED UPON RECEIVING MPCA'S DETERMINA TION OF THE RISK LEVEL



Professional/Technical Contract Amendment #1

State of Minnesota

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Amendment Recitals

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 00000000000000000000055526, to provide a HHW program that furthers the goals of protecting the environment and the public health as articulated in the Waste Management Act and the Regional Sponsor and Co-Sponsoring Counties Solid Waste Plans.
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conditions and provide environmentally sound and safe management options for Program Wastes and encourage, to the extent feasible, reduction, reuse, recycling and safe storage and management of Program Wastes.

WHEREAS, the parties wish to allocate the risks and responsibilities resulting from operation of the HHW program, and to incorporate the provisions of Minn. Stat. §115A.96, Subd. 7, into this Agreement.

WHEREAS, The parties wish to incorporate payment terms into this Agreement regarding the Commission's participation in a product stewardship program for architectural paint.

NOW, THEREFORE, The parties, for valuable consideration received, make the following Agreement:

REVISION 2. Clause 1. "Definitions" is amended as follows:

Terms as used in this Agreement shall have the following meanings:

- 1.1 Agency's Authorized Transporter. A transporter authorized to provide transportation or waste management services pursuant to a State Contract for transportation or management of Program Wastes as referred to in Minn. Stat. §115A.96, Subd. 7.
- **1.2** Architectural Paint. Interior and exterior coatings listed in the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.3 Authorized Activities. The list of activities contained in Exhibit A that may be performed by the Commission for compensation in accordance with this Agreement.
- 1.4 Authorized Facility or Authorized Facilities. A facility or facilities authorized by the State to store, blend, treat, reclaim, recycle, incinerate or dispose of Program Waste in accordance with State Contracts and this Agreement.
- 1.5 Bulking. The activity of opening individual cans of any product, including architectural paint, and consolidating them into 55-gallon drums.
- 1.6 Collected/Collection. The activity of accepting products from the public at a household hazardous waste Collection Site or Event, and then packing those products for transportation.
- Collection Site. A permanent or temporary designated location with scheduled hours for collection where the public may bring household hazardous wastes, including architectural paint.
- 1.8 Co-Sponsoring Commission. A Commission or other governmental unit located partially or completely within the Service Area or Regional Program that has signed an agreement for participation in the Program. The Co-Sponsoring Counties for this Agreement include those listed in Exhibit C.
- <u>1.9</u> Electronic Waste. Devices containing complex circuitry, circuit boards and/or signal processing capabilities for processing and/or displaying information. Electronic waste may include, but is not limited to, computers and computer peripherals and laboratory, communications, audio, video and office equipment.
- 1.10 Event. A temporary Collection Site that accepts Authorized Wastes (Program Products) for a limited period of time. Event Collection. An Event Collection is a collection site temporarily designed and set up to safely and efficiently collect and package Program Wastes for reuse or for transportation to a permanent Management Facility or a permitted waste management facility.
- 1.11 Hazardous Waste. Waste as defined in Minn. Stat. §116.06, Subd. 11.
- 1.12 Household. Household as defined in Minn. Stat. §115A.96, Subd. 1(a).

- 1.13 Household Hazardous Waste (HHW). Waste as defined in Minn. Stat. §115A.96, Subd. 1(b).
- **1.14 ID Number.** The site-specific identification number that the State obtains for the Program in accordance with Clause 7.2 of this Agreement.
- 1.15 Internal Transportation. The use of Commission employees or independent contractors selected by the authorized Commission to transport Program Products from one Collection Site or Event to be consolidated at another Collection Site or Event.
- <u>1.16</u> Management Facility. One or more permanent, temporary, mobile, satellite, or event collection sites located in the Service Area that accept Program Wastes for proper collection, management and storage. A Management Facility may be publicly or privately owned and/or operated.
- 1.17 Optional Program Wastes. Wastes listed in Clause 7.3 of this Agreement.
- 1.18 Processing. The bulking, treatment or recycling, and/or disposal of Program Products.
- **1.19** Processing Facility. A non-Collection Site where Processing occurs.
- 1.20 Product Stewardship. A product-centered approach to environmental protection that calls on those in the product life cycle manufacturers, retailers, users, and disposers to share responsibility for reducing the environmental impacts of products.
- **1.21 Program.** The Program operated by the Commission and the State, pursuant to this Agreement, which shall include the following major elements: (1) an HHW education and waste reduction program; and (2) a Management Facility or Facilities.
- 1.22 Program Products. The products collected under the MPCA-approved PaintCare Architectural Paint Product Stewardship program plan.
- 1.23 Program Wastes. HHW and Optional Program Wastes listed in Clause 7.3 of this Agreement.
- 1.24 Reciprocal Use Agreements. Agreements entered into by the Commission allowing use of a Management Facility for Program Waste generated outside the Service Area.
- 1.25 Regional Program. The Program or services provided by two or more counties acting jointly to manage a Program.
- **1.26 Regional Sponsor.** The lead Commission or governmental unit of a Regional Program that has an Agreement contract-with the State to operate a Program.
- **1.27** Reuse. The activity of providing or donating collected architectural paint to the public for its original purpose.
- 1.28 Service Area. The area included within the boundaries of the Commission or Regional Program.
- 1.29 State Contract. Contracts entered into by the State of Minnesota and that are made available for the off-site management of HHW generated by Commission HHW Programs under the State's Cooperative Purchasing Venture established pursuant to Minn. Stat. §16C.03, subdivision 10. Entities eligible to participate under the cooperative purchasing venture are described in Minn. Stat. §16C.105.
- 1.30 State Contracts. Contracts entered into by the State and that are made available for the management of Program Wastes. These include: H-69(5) Hazardous Waste Management; H-79(5) Fluorescent Lamp, Lamp Ballast and Mercury Containing Materials and Residuals Transportation and Management; H-90(5) Used Electronic and Electronic Component Recycling and Management; Waste Disposal; W-192(5) Infectious (Biomedical); and H-94(5) Used Oil, Filter, Absorbent and Antifreeze Management.
- 1.31 State Contractor Services. Waste management services performed for Program activities and made available by the State through its contracts with waste management firms. Waste management services include supplying materials, receiving and sorting Program Wastes,

- packaging, repackaging, consulting, training, sampling, analysis, treatment, transportation, storage, recycling, processing and disposal.
- **1.32** State Hazardous Waste Rules. The Minnesota Pollution Control Agency Rules, Chapters 7045 and 7001.
- 1.33 State's Authorized Transporter. Has the same meaning as the Agency's Authorized Transporter.
- 1.34 Universal Waste. Universal Waste has the meaning given at Code of Federal Regulations, title 40, section 273.9. Minnesota adopted the Federal Universal Waste Regulations in accordance with M. R. Part 7045.1400.
- 1.35 VSQG or Very Small Quantity Generator. A Hazardous Waste generator who is classified as a VSQG in accordance with M. R. Part 7045.0206, and who has not lost VSQG status due to quantity of generation or over-accumulation.
- 1.36 VSQG Wastes. Hazardous Wastes generated by a VSQG.

REVISION 3. Clause 2 "TERM OF AGREEMENT" is amended as follows:

- 2.1 Effective date: January 1 3, 2013 or the date the State obtains all required signatures under Minn. Stat.s § Section 16C.05, Subd. 2, whichever is later.
- 2.2 Expiration date: December 31, 2017, unless earlier terminated by law or in accordance with Clause 23 or 24 of this Agreement. It is the intent of the parties that termination or expiration of this Agreement shall not relieve the parties of the obligations assumed under this Agreement that occur after termination or expiration, including without limitation, the obligations to properly close the Management Facility or Facilities, to pay costs incurred during the term of this Agreement and to defend, indemnify and hold harmless pursuant to Clause 20 of this Agreement.
- **REVISION 4.** Clause 3 "Payment" is renamed and amended as follows: Payment, Reporting and Funding 3.1.1. Payment. The total obligation of the State under this Agreement will not exceed \$600,000
 - annually (between 14 Regional Programs), unless the MPCA determines to distribute uncommitted appropriations remaining after settlement of MPCA expenses at the end of a biennium or if 3.1.2. applies.
 - 3.1.2. If the MPCA enters into income agreements with a 3rd-party funding entity or receives additional appropriations to fund work that is done by the Commission, the Commission shall be reimbursed per the income agreement or appropriation allocation formula.
 - 3.2 Funding Terms for HHW Program Operations. The terms outlined in tage in tage to the method used to determine the amount paid to the Commission for the purpose of funding HHW activities Program Operations in the Region as a whole. The Commission may allocate the funding provided by the MPCA among the Co-Sponsoring Counties in any manner agreeable to the Co-Sponsoring Counties and the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.
 - Subject to the eligibility conditions in this Agreement and the amount appropriated to the MPCA for operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the Commission to reimburse a portion of the Regional HHW Program's expenses. The MPCA may periodically adjust the

amount payable to the Commission, based on the total funds available to the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement. Payment amounts are not guaranteed.

The Base Funding Amount for each state fiscal year will be determined and communicated to the Commission on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount the MPCA dedicates to the Regional HHW Programs to provide a HHW Program in accordance with Minn. Stat. §115A.96.

The MPCA will utilize the completed and certified reports Program data submitted by the Commission's Authorized Representative as described in Clause 3.4 below to make payments of the Regional Program Operation and Waste Management for the Program Operations Stipend and the Supplemental Stipend as described in Clause 3.3.

The MPCA may allocate uncommitted appropriations remaining after settlement of MPCA expenses to Supplemental Stipends within 60 30 days of the end of the biennium, on or before August July 31. The MPCA will pay the Supplemental Stipend Amount in full to the Commission by August 31 after the end of each biennium.

If MPCA budgetary reductions occur after payments have been made that result in excessive payments, the Commission agrees to return the excess amount to the MPCA within 60 days of the date of MPCA's written notice to the Commission of the budget reduction and the excess amount to be returned.

3.3 Funding Formula for HHW Program Operations.

The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = $((Base Funding Amount \times \frac{1}{2})/80) \times 5$

+

(Base Funding Amount x 1/2) x

[(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

The MPCA will determine the Supplemental Stipend Amount by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x ½) / 80) x 5

+

[(Supplemental Funding Amount x ½) x

(Total Qualified Participating Households delivering waste to this the Regional Program/Total Qualified Participating Households delivering waste to all Regional Programs)]

If a Co-Sponsoring Commission changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated between the Regional Programs that the Co-Sponsoring Commission was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a Co-Sponsoring Commission was affiliated with a Regional Program and on the participants

served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and the affected Regional Programs.

3.4 Annual Reporting for HHW Program Operations.

The MPCA will provide electronic copies of the Participation, Program Cost and Waste Management Report forms (Report) in Attachment A to the Commission. The Commission will forward the Report to all Co-Sponsoring Counties listed in Definition 1.3 of this Agreement and instruct them on how to complete the Report. The Commission will collect Reports from all Co-Sponsoring Counties and verify that the Reports are complete and that the participation totals are accurate. The Commission will complete the Participation Certification and Invoice Form (Form) and submit the Form and all electronic Reports to the State's Authorized Representative on or before April 1st of each year.

The Commission shall enter calendar year participation, financial, and waste stream data for its HHW and VSQG Programs into the Agency's HHW and VSQG Report Database (Database) at least annually. The Database access will be provided by the State's Authorized Representative (SAR) by January 1 of each year. The Commission will forward access information to all Co-Sponsoring Counties and instruct them on how to enter Program data. The Commission will verify that the Program data entered for or by each Co-Sponsoring Commission is complete and that the participation totals are accurate. Alternately, the Commission may enter HHW and VSQG data into the Database for each of the counties listed in Clause 1.8 of this Agreement. Annual data entry shall be completed by April 1 of each year. Upon completion of Regional Program data entry, the Program's Authorized Representative shall notify the SAR that data entry is complete by providing a signed certification form provided by the SAR. The SAR may review the Program data and may require the Commission to make corrections to the data if errors are found.

Participation will be determined by the State's Authorized Representative and will be based on the Program data provided in accordance with Clause 3.4 of this Agreement using the following:

- Qualified Participating Households are as follows: O only those participants delivering residential Household Hazardous Waste generated within Minnesota to a Regional Program or Co-Sponsoring Commission such that they may will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of
 households may be counted as qualified participating households, provided proper
 documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted.
- Participants that <u>only</u> deliver only one or more of the following wastes will not be counted <u>as qualified participating households</u>: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events, compressed gas cylinders, pharmaceuticals, sharps, ammunition and/or fireworks.

- Participants that only come to remove items from product exchange shelves will not be counted as qualified participating households.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.
- Participants from HHW collection efforts related to natural disasters will be evaluated by the State for qualification on a case-by-case basis.
- Business Waste-Very Small Quantity Generators will not be counted.

The Form and Reports submitted Program data provided and certified as complete by the Commission by on or before April 1 of each year will be considered final. If the Commission does not submit Reports to the MPCA provide Program data using the access system and certify completion on or before April 1, the Commission will not be eligible for the Stipend Amounts for that fiscal year. If the Commission does not submit and certify Reports Program data from one or more Co-Sponsoring Counties, the amount of the Stipend received by the Commission will be reduced based on the formulas in Clause 3.3 of this Agreement. The State's Authorized Representative will review and confirm the participation numbers received from each Regional Sponsor and pay the Stipend Amount to the Commission by June 30 of each state fiscal year.

The State shall compile and prepare reports including the information received from the Commission, which will be available to the public in accordance with Clause 16 of this Agreement. The State shall provide the Commission's Authorized Representative with a copy of any reports it prepares for the legislature or other entities that includes data submitted by the Commission. The State shall compile and prepare reports summarizing information received on the statewide Program, subject to the limitations of the State's database, available staff time and the quality of report data received from Programs.

3.5 Reporting for Product Stewardship Activities.

The Commission shall provide the reporting information outlined in Exhibit A per the format described in Exhibit B to the State within 30 days of the end of each calendar year quarter.

3.6 Funding Terms for Reimbursement of Product Stewardship Activities.

The MPCA will reimburse the Commission for approved Product Stewardship Authorized Activities listed in Exhibit A in accordance with the associated rate.

To receive payment for Product Stewardship Activities, the Commission shall provide the MPCA an invoice for the appropriate coverage period, Product Stewardship Authorized Activities, and the amount of payment being requested. Each invoice shall contain appropriate documentation justifying the payment request. The documentation may include shipping documents that show what was completed for the appropriate Product Stewardship Activity, summarized waste reports, and itemized expenses that are eligible for reimbursement.

The reporting and invoice information outlined in Exhibit B for Authorized Activities shall be submitted to the MPCA per the following schedule:

- 1. For the initial invoice period, November 1, 2014 through June 30, 2015 by August 31, 2015;
- 2. Successive invoice periods are as follows:
 - a. July 1 through December 31: by January 31 of the succeeding year, and
 - b. January 1 through June 30: by July 31 of the current year.

CR 5183 7

3.7 Reimbursement Process for completion of Authorized Activities

Within 30 days of receipt of the required information from the Commission, the MPCA shall prepare a summary invoice representing the cost of all counties seeking payment for the management of Authorized Activities. The MPCA shall deliver the summary invoice with all information submitted by the counties to the product stewardship representative for review. All invoice discrepancies or questions for specific Commission invoices shall be resolved between the product stewardship representative and the appropriate Commission. The Product Stewardship entity shall forward, within 60 days of the MPCA summary invoice date, payment for work performed and all documentation of the final-approved payments. The MPCA shall distribute this payment to the Commission per the final-approved payment. The Commission is responsible for distributing payments to Co-Sponsoring Counties within the Regional Program.

REVISION 5. Clause 5 "Education and Waste Reduction Program" is amended as follows:

The Commission shall operate an education and waste reduction program in coordination with the State and in accordance with Minn. Stat. §115A.96, Subd. 6(a). The purpose of the program is to assist and inform the public concerning the proper management, identification, and reduction of Program Wastes. The State shall make education and waste reduction materials available to the Commission. The Commission may work with a Product Stewardship entity to develop, share or use materials with that entity. The Commission shall not utilize the name of the Product Stewardship entity, their mark, or their logo without first obtaining written consent from the Product Stewardship entity.

REVISION 6. Clause 6 "Program Operations and Training" is amended as follows:

6.1 Training.

The State and the Commission will jointly develop a training program that may be accessed by the Commission staff. This training program may contain information from Product Stewardship entities or other entities that partner with Counties in managing Program Wastes or Program Products.

6.2 Standard Operating Procedures.

The State shall work with the Commission to develop and make available generic standard operating procedures. The Commission shall develop Program specific standard operating procedures based on the generic standards available on the MPCA's website. The Program specific standards shall not be less restrictive than the generic standards.

REVISION 7. Clause 7 "Waste Acceptance and Management" is amended as follows:

- 7.1 The Commission shall provide for the operation of Management Facilities in accordance with this Agreement and all applicable <u>federal and state</u> rules, regulations, standards, and permit requirements. If a Management Facility is privately owned or operated, the Commission shall require the private owner or operator to meet the conditions and requirements set forth in this Agreement.
- 7.2 The Commission shall collect, store or otherwise manage HHW and may collect, store or otherwise manage Optional Program Wastes listed in Clause 7.3 below upon obtaining all applicable governmental approvals. The Commission may manage any waste listed below and commingle said wastes with HHW and manage said wastes under the ID Number acquired by the State. The State shall complete the "Notification of Regulated Waste Activity" form and acquire the ID Number solely in the name of the State for each Management

CR 5183

Facility that requires an ID Number. The ID Number shall be used for transportation and disposal of all Program Wastes collected at a Management Facility. The Commission may also choose to obtain or retain its own ID Numbers for its Management Facilities, if the wastes are managed in accordance with this Agreement and all applicable rules, regulations, permits, and policies.

- 7.3 Program Wastes which may be accepted and commingled with HHW and which may be shipped under the State's ID number include:
 - (a) HHW generated outside the service area and which is accepted in accordance with M.R. Part 7045.0310, subp 6;
 - (b) Hazardous wastes generated by a VSQG;
 - (c) Abandoned wastes that the Commission agrees to manage;
 - (d) Federal Universal Waste, defined in the Code of Federal Regulations, title 40, section 273.9, and in M.R. Part 7045.1400 including: fluorescent or high-intensity discharge lamps, mercury-containing devices, pesticides, and batteries; and any additional waste streams added to the Federal Universal Waste list that are adopted by the State during the term of this Agreement;
 - (e) Architectural Paint or Program Products;
 - (f) Electronic Waste; and
 - (g) Latex wastes, used oil and used oil filters, antifreeze, sharps and any other wastes managed under the State Contracts listed in 1.1929 through 1.31.

<u>However, if the Commission seeks reimbursement under Clause 3.6, Architectural Paint and Program Wastes may not be commingled.</u>

- 7.4 At the expiration of this Agreement, or at the time of cancelation of this Agreement by either party, the Commission and its contractor shall cease to use the ID Number acquired by the State. If Hazardous Waste will no longer be manifested from the Management Facility, the State will cancel the ID number. If the Commission plans to continue to manifest Hazardous Waste from a Management Facility the Commission shall, within 7 days of cancellation or non-renewal, submit a "Subsequent Notification" form to the entity authorized to assign ID Numbers. The Commission shall provide, to the State's Authorized Representative, documentation confirming that the number has been reassigned within 30 days of expiration or cancellation of this Agreement.
- 7.5 Nothing in this Agreement is intended to preclude the collection, management, or storage of waste which is not Program Wastes at the Management Facility, provided that the Commission neither commingles the waste with Program Wastes nor uses the State's ID number when shipping said waste.

REVISION 8. Clause 8 "Manifesting" is renamed as follows: Manifesting Manifest Signature. The content of the clause is unchanged.

REVISION 9. Clause 11 (11.4 and 11.6) "State Contractor Services" is amended as follows:

11.4 The State shall investigate and resolve matters related to the failure of the State's Authorized Transporters to perform services in accordance with the terms of the State Contracts listed in Clause 1.1930. The State shall notify the Commission when it receives notice of a release to the environment by a State's Authorized Transporter.

11.6 The Commission is encouraged, but not required, to use State Contractor Services for the operation of a Management Facility. If the Commission chooses to use a transporter other than the State's Authorized Transporter for the management of Program Wastes, the provisions of Clause 20.2 of this Agreement shall not apply to such Program Wastes. The Commission and Co-Sponsoring Counties shall use State Contractor Services for the off-site management of Architectural Paint or Program Products for which the Commission and Co-Sponsoring Counties seek reimbursement in accordance with Clause 3.6 of this Agreement.

REVISION 10. Attachment A, "Annual Household Hazardous Waste Reporting Form for Metropolitan Counties" is hereby removed in its entirety from the Agreement.

REVISION 11. Exhibit A "Authorized Activity List and Pricing Formulas", Exhibit B, "Reporting and Invoicing Information", and Exhibit C "Participating Authorized Counties" are added. All Exhibits referenced in this amendment are made part of this agreement.

Except as amended herein, the terms and conditions of the Original Agreement and all previous amendments remain in full force and effect.

Document Signature Details -- External User

	Order	Ext. User	Status	Actual Singer	Name	Title	Date/Time	Comments
1	1	VN0000212783_1	Signed	VN0000212783_1	JANELLE	EXTERNAL	08/28/2015 at	
1					TROUPE		01:02 PM	
1								

Document Signature Details -- Internal Users

Order	Туре	Role/User	Status	Actual Signer	Name	Title	Date/Time	Comments
1	Role	M_FS_WF _SC_DOC_ SIGNER_0 1	Signed	01039179	Mary T Ecker	Encumbrance VerificationSi gner	August 28, 2015 at 03:18 PM	
2	Role	M_FS_WF _SC_DOC_ SIGNER_0 2	Signed	01024689	Myrna Halbach	State Agency Signer	August 28, 2015 at 03:39 PM	
3	Role	M_FS_WF _SC_DOC_ SIGNER_0 3	Signed	0115SOS3	Christina K Wong	MMD P/T Dept of Admin Signer	August 31, 2015 at 03:05 PM	MMD NO. 32371 - DESPITE AMENDME NT DRAFTING ERRORS, APPROVED UPON RECEIVING MPCA'S DETERMINA TION OF THE RISK LEVEL

Appendix B: Business Recycling Survey

EAST CENTRAL REGION

CHISAGO, ISANTI, KANABEC, MILLE LACS, PINE COUNTIES

COMMERCIAL, INDUSTRIAL & INSTITUTIONAL (CII) RECYCLING QUESTIONNAIRE

PLEASE COMPLETE AND RETURN TO YOUR COUNTY SOLID WASTE OFFICE BY FEBRUARY 20, 2016. Thank you for your time!

The Information gathered from this questionnaire will be utilized to document the CII recycling effort within the County for the annual State SCORE report. Also, this information will be used for the County recycling report. *Please choose one of the following:*

יטו נווכ	County recycling report. Trease choose one of the renowing.			
YES	My organization can be identified by name in the County report.			
NO	Do not identify my organization (All these efforts will be consolidated and listed under Proprietary.)			
Comp	any Name:			
Conta	ct Person:			
Phone	:			
E-mail	:			
Comp	any Location:			
*NOTE	ES FOR COMPLETING THIS QUESTIONNAIRE: *Recycling quantities should not include materials recovered from other waste streams such as demolition debris.			
	*Do not include in scrap metal any prepared or unprepared steel scrap such as I-beams, structural steel, heavy machinery, cast iron, automobile parts, or agricultural machinery.			
Our or	ganization recycles YES NO (circle appropriately)			
Our or	ganization recycles materials through a recycler within our county YES NO			
Please	e list name(s) of your local recycler(s)			
Any m	aterials that are recycled through a recycler within your county DO NOT need to be			

Any materials that are recycled through a recycler within your county DO NOT need to be included in the amounts reported below. IF YOU RECYCLE MATERIALS <u>ONLY</u> THROUGH A RECYCLER WITHIN YOUR CONTY, STOP NOW WITH THIS QUESTIONNAIRE.

The County needs to track the amount of materials leaving the County to document the proper tonnage of items being recycled. For example: you directly haul your cardboard to Minneapolis. (circle appropriately)

1. Material: Reuse Pallets
Quantity: (Lbs, tons, each) per: (week, month, quarter, year)
2. Material: Cardboard Delivered to:
Quantity: (#Bales, lbs, tons) per: (week, month, quarter, year)
3. Material: Scrap Metal Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
4. Material: Textiles Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
5. Material: Used Electronics Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
6. Material: Food Donation / Grease Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
7. Material: Appliances Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
8. Material: Antifreeze Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
9. Material: Tires Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
10. Material: Auto Batteries Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
11. Material: Used Oil Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
12. Material: Oil Filters Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
13. Material: Fluorescent Tubes / CFLs Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
14. Material: Other – Paper ie Magazines, Office Paper, Etc.
Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)
15. Material: Delivered to:
Quantity: (lbs, tons) per: (week, month, quarter, year)

EAST CENTRAL REGION

CHISAGO, ISANTI, KANABEC, MILLE LACS, PINE COUNTIES

COMMERCIAL, INDUSTRIAL & INSTITUTIONAL (CII) RECYCLING QUESTIONNAIRE

PLEASE COMPLETE AND RETURN TO YOUR COUNTY SOLID WASTE OFFICE BY FEBRUARY 20, 2016. Thank you for your time!

The Information gathered from this questionnaire will be utilized to document the CII recycling effort within the County for the annual State SCORE report. Also, this information will be used for the County recycling report. *Please choose one of the following:*

tor the	County recycling report. Please choose one of the following:			
YES	ly organization can be identified by name in the County report.			
NO	Do not identify my organization (All these efforts will be consolidated and listed under Proprietary.)			
Comp	any Name:			
Conta	ct Person:			
Phone	p:			
E-mai	<u> </u>			
Comp	any Location:			
*NOTI	ES FOR COMPLETING THIS QUESTIONNAIRE: *Recycling quantities should not include materials recovered from other waste streams such as demolition debris.			
	*Do not include in scrap metal any prepared or unprepared steel scrap such as I-beams, structural steel, heavy machinery, cast iron, automobile parts, or agricultural machinery.			
Our o	rganization recycles YES NO (circle appropriately)			
Our o	ganization recycles materials through a recycler within our county YES NO			
Please	e list name(s) of your local recycler(s)			

Any materials that are recycled through a recycler within your county DO NOT need to be included in the amounts reported below. IF YOU RECYCLE MATERIALS <u>ONLY</u> THROUGH A RECYCLER WITHIN YOUR CONTY, STOP NOW WITH THIS QUESTIONNAIRE.

The County needs to track the amount of materials leaving the County to document the proper tonnage of items being recycled. For example: you directly haul your cardboard to Minneapolis. (circle appropriately)

1. Material: Reuse Pallets	
Quantity: (Lbs, tons, each) per: (week, month, quarter, year)	
2. Material: Cardboard Delivered to:	_
Quantity: (#Bales, lbs, tons) per: (week, month, quarter, year)	
3. Material: Scrap Metal Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	
4. Material: Textiles Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	
5. Material: Used Electronics Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	
6. Material: Food Donation / Grease Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	
7. Material: Appliances Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
8. Material: Antifreeze Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
9. Material: Tires Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
10. Material: Auto Batteries Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
11. Material: Used Oil Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
12. Material: Oil Filters Delivered to:	
Quantity: (lbs, tons) per: (week, month, quarter, year)	
13. Material: Fluorescent Tubes / CFLs Delivered to:	-
Quantity: (lbs, tons) per: (week, month, quarter, year)	
14. Material: Other Paper ie Magazines, Office Paper, Etc.	
Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	
15. Material: Delivered to:	_
Quantity: (lbs, tons) per: (week, month, quarter, year)	

Appendix C: Recycling in the Chisago Lakes School District

Recycling in the Chisago Lakes School District

Maggie Barnick

Minnesota GreenCorps Waste Prevention & Recycling Member East Central Solid Waste Commission, Chisago County May 2013

The following report is of Minnesota GreenCorps member Maggie Barnick's observations and suggestions for enhancement of current recycling efforts in the Chisago Lakes School District. Each school is already doing a great job in their individual efforts, but as a chance to unify the district's recycling program, standard signage and similar locales of bins (and, where appropriate and feasible, colors of bins) should be used district-wide. Reasoning is based on several building walkthroughs (the first in November; additional walkthroughs in April), a survey to district faculty/staff and the Recycle More Minnesota school recycling toolkit. An additional survey was sent to students as well, however most of that information gathered from those surveys did not relate to suggestions for improvement, so results from those were not included.

TABLE OF CONTENTS

GENERAL TIPS	2
SECTION ONE: OBSERVATIONS/NOTES FOR IMPROVEMENT	3
CHISAGO LAKES HIGH SCHOOL	3
CHISAGO LAKES MIDDLE SCHOOL	4
TAYLOR'S FALLS ELEMENTARY	5
LAKESIDE ELEMENTARY SCHOOL	6
CHISAGO LAKES PRIMARY SCHOOL	7
SECTION TWO: SURVEY ANALYSIS	STREET,
STAFF/FACULTY SURVEY RESPONSES	
APPENDIX	18
APPENDIX I (MAPS)	18-21
APPENDIX II (PHOTOS)	22-25

"Recycling is very important. You want to have more things in your recycle bin than your trash bin."

- Taylors Falls 1st Grader

"I think the reason we call it 'recycle' is because the prefix re- means again, and cycle because it goes in a cycle. For an example you pick up a piece of paper and recycle it, later on that piece of paper is made into another clean piece of paper."

-Lakeside Elementary Fourth Grader

"Recycling is very important because it saves energy and resources." -CLHS student

General Tips

Classrooms:

Each classroom should have a paper desk-side bin, or larger curb-side sized paper bin. The size depends on grade level and each teacher's personal preference. Generally, elementary classrooms should have curb-side sized bins due to the fact that these students do more projects involving paper. Paper bins should be kept out from underneath a teacher's desk, so students can have access to it as well. Paper bins should ideally be located next to the trash bin, and the best location for these is near the classroom door.

Office Areas:

All office areas and copy centers should also have paper bins in easy-to-identify locations. Paper bins should be near all printers, as well. Media Centers are areas that need to have paper bins as well.

Hallways:

Hallways should have bottle/can recycling receptacles, paper recycling in some central areas (i.e. locker bays) and trash cans. These containers should all be placed next to one another in central areas so as to simplify the process. Currently the only Chisago Lakes School with paper recycling in the hallway is Taylor's Falls. Paper recycling should be in hallways at the Middle School and High School because students often empty their lockers of past assignments and especially during end-of-year cleanouts, more paper receptacles are important to have in these two schools.

All vending machines should all have a bottle/can recycling container next to them.

Section Two

Chisago Lakes High School

Observations:

- The Chisago Lakes High School has an adequate amount of can/bottle recycling receptacles
 placed throughout the school. Most are even placed next to, or in very close proximity to a
 trash can. (See map of spring 2013 bin locations in Appendix I, page 18).
- There was some signage associated with the recycling receptacles in the senior locker commons area; however, more signage is needed throughout the building.
- 3. In the cafeteria, there are two bottle/can receptacles, one of which is located near the waste station areas where students dump and return their trays. There is another bottle/can receptacle near the vending machines in the lunchroom. Again, I noticed bottle/can receptacles near vending machines by the weight room, locker commons, and locker rooms, by the gym, as well as in the entrance of the PAC.
- 4. These are ideal locations to capture the maximum amount of recyclable materials especially next to vending machines! Great to see this.
- 5. Also worth noting is the recycling of oil in the auto shop, and the strict management of potentially hazardous chemicals in the chem lab. Oil is considered a hazardous waste and is banned from Minnesota landfills. Good to see a great system in place for handling of oil in the auto shop!

- I did not get a chance to visit the staff lounge; make sure there is paper recycling, can/bottle
 recycling, and trash receptacles (all placed in close proximity) inside the staff lounge area,
 especially if there is a vending machine inside the room.
- 2. One thing that is needed is paper recycling containers in the two locker commons areas. As you can see from photos taken of recycling in trash cans in the larger locker commons area, paper recycling is needed in this area. (See photo in Appendix II, page 22).
- Paper recycling containers should also be placed out in locker commons areas during endof-year cleanouts at the High School.
- 4. The main locker commons area especially needed signage –there was no indication of what bins were for, paper or trash. If there are no signs associated with a bin, students and staff are likely to assume it is trash.
- 5. The only suggestion I had when it came to bottle/can receptacles is to ensure that all are placed next to a trash container. Another small suggestion would be to move one of the bins adjacent to the Upper Gymnasium to a new location at the Main Entrance of the building. This ensures an easier disposal of bottles/cans for visitors, staff, and students entering or exiting the building through these doors.

Chisago Lakes Middle School

Observations:

- 1. Bottle/can receptacles clustered at entrances. Only one needed here. Ideal ratio is 1 bottle/can receptacle: 1 trash can.
- 2. There was paper contamination in trash cans in several areas.
- 3. Trash cans are in close proximity to one another, on the main level specifically.
- 4. The two bottle/can receptacles on top floor (on both the west and east sides) are paired right next to one trash can each, good!
- Staff lounge has 3 receptacles; one for trash, one for paper and one for cans and bottles. Good!
- There is a bottle-shaped container right next to the vending machines in the hall outside the staff room (123), great! All vending machines should have a bottle/can recycling container next to them or in sight of them.
- 7. I also noticed some great student-made signage on the walls that related to reusable bottles. Student-designed signs are a great way to get students involved and interested in recycling more in their school! I included a photo of the sign I saw in Appendix II (page 24).

- 1. Space out bottle/can receptacles more. Two are at each of the entrances (lower and middle floor). If we took one of those from each area and moved it to the section of hallway on each floor that was lacking bottle/can receptacles, that would allow for maximum recovery of material. (In the staff recycling survey distributed online in April 9 out of 13 staff members who answered the question "What do you think would help students and staff recycle more in your school district?" said more bins were needed throughout the halls, and one even commented that current bins are tough to find and seem "tucked away.") I think the school has an adequate amount of bins, but needs to space them out a little more. New locations for the bottle/can bins are: Middle level, west end (next to trash container) and lower level, east end (next to trash container).
- Signs are needed for trash cans and bottle/can receptacles. The bottle-shaped bins themselves already have good signage, but the other square-shaped can/bottle containers do need more.
- 3. Paper recycling containers may be good to add to locker areas. These may not be efficient for everyday operations since lockers are spread throughout the building, however extra paper recycling containers should be available for students when cleaning out lockers at the end of the year and any other time students clean out lockers.
- 4. I received some great staff responses that could be considered at later dates for potential improvement of current recycling at CLMS. Some of those responses helped me form the preceding recommendations. See Staff Survey information beginning on page 8.

Taylors Falls Elementary School

Observations:

- Taylors Falls was the only school in the district to have paper recycling containers in the hallways. Awesome! Paper recycling containers are definitely needed in major areas like copy rooms or locker areas, but TF had them in each wing of the school. I'm not sure the reasoning for this, but I liked the fact that the paper/cardboard recycling was very easily accessible throughout the building.
- 2. I also noticed that one teacher (I believe a 4th grade teacher) was taking an extra effort to recycle clean plastic juice containers and paper boats that don't have food contamination. This is great, and could be repeated at the other schools if there are faculty or staff who would be willing to take the extra time to do a little more work. (See photo in Appendix II, page 25)
- 3. There is also an adequate amount of containers in the halls, and they are well-spaced throughout the school. Most recycling bins are paired with trash containers too, which is ideal.
- 4. I noticed in the staff lounge a trash container and a can/recycling container. But I didn't notice a paper recycling container.

- Signage increases throughout the building on receptacles. Paper and cardboard containers
 were well marked, as were the efforts to recycle juice containers, but more consistency
 might be nice. I received two different responses from staff members via the all-district
 survey that mentioned there should be signs near the garbage containers reminding
 students to recycle, or asking "can you recycle that?"
- 2. Ensure the staff lounge has a paper recycling container, as staff are apt to read the newspaper during their lunch break.
- Place another bottle/can recycling receptacle near the front entrance for visitors and staff
 who enter and exit the building through this entryway. Consider purchase of another
 bottle/can receptacle by Chisago County or Chisago Lakes School District.
- 4. I received some specific comments for improvements from staff members via the all-district staff/faculty survey that could be considered for future changes. Some of those comments helped me with my own recommendations. See those responses beginning on page 8.

Lakeside Elementary School

Observations:

- 1. Staff lounge area had an adequate amount of recycling: 1 bin for cans/bottles, 1 bin for trash, and 1 bin for paper.
- 2. Noticed two bottle/can receptacles in hallways. One was located near cafeteria next to a trash can, and the other was located near the side door.
- 3. Staff workroom had one paper recycling container near the copy machine; office had adequate paper recycling as well.

- One more bottle container needed near main entrance. Or could simply move the bottle
 container currently located at the side entrance to the main entrance. This would allow for
 maximum disposal of bottles and cans by visitors and staff when exiting or entering the
 building.
- 2. Paper recycling could be a possibility for hallways. The hallway outside the media center would be the best location for paper recycling. Perhaps instead of two trash cans outside the media center, there could be one trash can and one paper receptacle next to one another outside the media center. This may or may not be feasible with current paper recycling at Lakeside. Due to the grade levels at Lakeside, the majority of paper waste is most likely generated in classrooms.
- 3. Ensure that bottle/can receptacles are paired with trash cans. This allows for maximum collection of materials.
- 4. Signage needed on current trash receptacles. Bottle bins have good signage.

Chisago Lakes Primary School

Observations:

- I only noticed one can/bottle container in the hallway (near the entrance at the back of the building) when I walked through the building on April 5th. This is an increase from what I saw last fall. It's great to see can/bottle recycling begin in the hallways at the Primary school!
- Paper recycling is in two central locations one across from room 136, and one on the east side of the building. Paper recycling may not be feasible in the hallways since the majority of paper waste is likely generated in classrooms, therefore taken to these areas to be disposed.
- 3. Staff room had adequate recycling: cans/bottles, trash, and paper recycling were all in the staff room.
- 4. Noticed trash and paper recycling in all of the classrooms I looked into.

- 1. More signage needed in hallways. Especially on current trash containers.
- 2. Ensure bottle bins/bottle & can receptacles are always paired with trash container. (The current bottle bin is indeed paired with a trash receptacle).
- Another good location for the bottle bin that the Primary school currently has would be the main entryway. Consider purchase of bin by Chisago County or Chisago Lakes School District.

Section Two

Faculty/Staff Survey Analysis

On April 3rd and April 9th, an online survey was sent out district-wide to faculty and staff. The purpose of this survey was to determine current barriers to recycling in district schools as well as to seek out information from individuals who interact daily with their school's recycling program to identify comments and concerns with current recycling operations.

We received a total of 149 responses for an approximate 30% response rate. Breakdowns of responses from individual schools and buildings are as follows:

School/Building	Number of Responses	
Community Education	7 (5%)	
District Office	9 (6%)	
High School	34 (23%)	
Lakeside	22 (15%)	
Middle School	36 (24%)	
Pathway to Change	2 (1%)	
Primary	12 (8%)	
Taylor's Falls	26 (18%)	

To get an accurate idea of how staff and faculty felt about recycling in the district, we first asked the following three questions. Those questions had scaled responses or were Yes/No questions. Survey respondents could answer either 1-5 (scales differed for each question) or Yes/No. The results of those questions are broken down below to the nearest percent.

- 1) Do you believe recycling is important? (1 = Very Important, 5 = Not Important)
 - a) Recycling is Very Important 83 %
 - b) Recycling is Somewhat Important 12%
 - c) Neutral 2%
 - d) Recycling is Somewhat Not Important 0%
 - e) Recycling is Not Important 3%
- Is it easy for students & staff to understand what to recycle in your school?(1 = Very Easy, 5 = Not Easy)
 - a) Recycling is Very Easy to Understand 21%
 - b) Recycling is Somewhat Easy to Understand 34%
 - c) Neutral 26%
 - d) Recycling is Somewhat Uneasy to Understand 14%
 - e) Recycling is Not Easy to Understand 5%
- 3) Do you feel if there is an adequate amount of recycling containers in your building?

- a) Yes 48%
- b) No 52%

As you can see, the majority (83%) of people in the district feel as if recycling is important. 55% of respondents felt as if recycling was easy or somewhat easy to understand, although as you can see, "somewhat easy" was the response selected the most often. The third question dealt with amount of recycling bins, and it was split almost 50/50, with almost half (48%) agreeing there is an adequate amount of containers, and slightly more than half (52%) thinking more are needed.

The next two questions dealt with the materials that currently are and currently are not recyclable in the district. The purpose of these two questions was to identify buildings that were unaware of what type of materials the current District-wide recycling program collects. These two questions will help future education efforts on recyclable materials in district #2144. These two questions were open-ended.

- 4. What kinds of items can (or do you) recycle at your school?
 - a) Paper (128 responses; for a 86% staff recycling rate)
 - b) Plastic Bottles (101 responses; for a 68% staff recycling rate)
 - c) Cans (100 responses; for a 67% staff recycling rate)
 - Specifically aluminum cans
 - d) Cardboard (40 responses; for a 27% staff recycling rate)
 - e) Food (24 responses)
 - The majority of responses listed food as recyclable in cafeterias only, so I am not including staff recycling rate for this material.
 - f) Miscellaneous responses included:
 - 1. Paint (1 response)
 - 2. Steel (1 response)
 - 3. Copper Wire (1 response)
 - 4. Tin (1 response)
 - 5. Ink Cartridges (5 responses)
 - 6. Old Phones (2 responses)
 - 7. Old Shoes (1 response) -- specifically noted: during shoe drives
 - 8. Plastic Juice Cups (2 responses from TFE only)
 - 9. Clothing (1 response)
 - 10. Old Books (1 response)
 - 11. Light Bulbs (1 response) from TFE
 - 12. Computers (1 response) same individual as #11, from TFE
- 5. What kind of items are not recyclable at your school?

This question is important for seeing areas where staff/faculty are confused or perhaps unaware of a material that is recyclable or non recyclable in their building. I also received some specific comments regarding confusion or concern with recycling at individual buildings. Those are

addressed after the listed materials individuals noted as "non-recyclable" in their building. The specific materials I am listing below are ones that are indeed recyclable throughout the district.

- a) Glass 14 responses
- b) Plastic/Cans 13
- c) Food 7
- One response was from CLMS, where food is indeed recyclable, but only in cafeteria, not in the staff lounge. Perhaps that's the reasoning for the listing as "non-recyclable". The other responses were from the District Office (1) and TFE (5), where there is currently no food recycling.
- d) Cardboard 4
- e) Colored Paper 1
- f) Other responses of note include (some are and some are not recyclable district-wide): confidential files (2), tests (1), cell phones (1), various other metals (other than aluminum cans) (5), milk cartons (3), textbooks (2), and plastic bags (3).

Specific comments of note:

- "Not enough paper is recycled when I look in teacher garbage cans and I think staff
 is wasteful on how many needless copies they make and printed out emails."
 (CLHS)
- "I would like the school to recycle juice pouches through Terracycle and get money for it." (LS)
- "I would like to recycle newspaper materials/bookorders. I would like to recycle glass." (LS)
 - These materials are indeed recyclable!
- 4) "Glass, plastic....they might be...I don't know." (LS)
- 5) "I don't know which plastic items or snack wrappers are recycled." (LS)
- 6) "Steel & Glass. We are openly scolded by administration if we ask to use the backside of discarded office paper for printed matter in which second-hand paper would suffice." (CLMS)
- 7) "Teachers and students don't recycle materials enough there is an over load going into regular garbage that should not be there." (CLMS)
- "I only know of paper and plastic [as recyclable]. Not even sure what types of plastic." (PS, LS, TF)
- 9) "Not sure about cans/bottles. More bins may be needed." (TFE)
- 10) "This is a question that I have -- are glossy magazines recyclable? Seems like I've been told different answers on this one. If not, our containers might do well to state this." (TFE)
- 11) "I hear some places collect food scraps for animals, we do not." (TFE)
- 12) "Propane tanks, (sometimes people leave them at my desk), glass, motors, scrap, (which our maintenance people take care of.) These are items taken to another

- sight. Computers, copy machine accessories, light bulbs, and any type of scrap are taken off sight. Our kitchen food is not being recycled." (TFE)
- 13) "I'm concerned the paper and cardboard we recycle isn't actually sent to a facility to be recycled." (TFE)

The last three questions were open-ended as well. The purpose of the following questions was to obtain feedback from individuals who deal with the recycling in their schools daily. I wanted to reach out to people who have a better understanding of what areas of their school are more heavily used (therefore may need more bins), areas where individuals feel there is a lack of containers, and general feedback on how individuals at each school feel the recycling program is either working or needs improvement. Each of the responses are broken down by building.

6. What other locations in your school do you feel necessary to add recycling bins? (Broken down by # of responses and specific areas at each building)

Chisago Lakes High School

- 1) Outdoors 8
 - In entry ways
 - · Stadiums/sportsfields
 - Bus drop off area
- 2) Hallways 9
 - · Commons areas
 - · Near vending machines
 - · Especially at end of term in locker bays
- 3) Classrooms 3
 - Foods classroom (specifically requested glass, plastic, cardboard recycling)
 - "Beverage container recycling in classrooms might be good to look into"

Chisago Lakes Middle School

- 1) Hallways 17
 - Commons areas
 - · On all floors
 - Top of stairwell in 6th grade hallway
 - Both ends of 8th grade hallway
- 2) Outdoors 4
 - Playing fields
 - Entryways
 - Bus drop-off area
- 3) Lunchroom 2
 - Re-arrange lunchroom set up with waste disposal
- 4) Classrooms 4

Taylor's Falls Elementary

- 1) Hallways 11
 - 1st grade area
 - New wing
 - · All entrances/front entrance
 - · Outside kids club door
 - Front lobby
 - South end of building
- 2) Lunchroom 6
- 3) Offices 3
- 4) By each copy machine & printer

Lakeside Elementary

- 1) Hallways 8
 - By 4th grade area
 - · Specifically more plastic bottle/aluminum can recycling
 - · Front hallway
 - · Paper bin in each hallway
 - In public spots for visitors to use
- 2) Lunchroom 3
 - 3) Lounge 2

Chisago Lakes Primary School

- 1) Hallways 5
 - Main hallway
 - 1st grade hallway
 - 2nd grade hallway
 - Entry ways/public areas
- 2) Classrooms 1
- 3) Lounge 3

Other locations staff/faculty reported as needing bins --

- Pathway to Change: Plastics recycling in kitchen, paper in every room, lunchroom recycling containers
- Community Education: in each office, ABE room especially requests more, adult meeting room, lounges/staff room, in public areas
- District office: Outdoor game areas, "seem to have enough bins"
- 7. What do you think would help students and staff to recycle more in your school?

(Staff responses are broken down by building, common responses and number of responses for that category)

Chisago Lakes High School

- 1) Signs 8
 - · Good, big visual signs to show students what to recycle
 - · Pictures on signs
 - · Signs listing materials recyclable at the school
- 2) More bins 3
 - Specific locations for bins in classrooms make it unified for every classroom so that it looks the same
- Give staff flyers on "what to recycle/where to recycle" and they can post it on their desk-side recycling bin
- 4) "Understanding how much the schools go through items that are recyclable in a year and the difference it would make if everyone recycled what they could"
- 5) Short presentation during in-services to teachers, maybe presentations to classrooms; PowerPoint at start of year showing what can go where

Chisago Lakes Middle School

- 1) More bins 10
 - · Fewer garbage bins
 - Location of current bins is not visible enough, make containers more visible
 - Conveniently locate bins
 - More bins for plastic/glass/cans
 - · Pair bins next to trash cans
 - Can/bottle bins in classroom might be worth exploring
- 2) Signs 9
 - · Pictures for a good visual
 - · Stating importance of recycling or recycling facts
 - Stating where our recycling goes/what it gets made into
 - · Proper labeling on bins
- 3) Awareness/recycling campaign or contest
- 4) Emptied more
- 5) Add to curriculum
- 6) Tutorials/You-Tube clips
- 7) Staff role models/more communication regarding recycling

Taylor's Falls

1) More bins - 6

- More plastic/can recycling bins (2 responses but one specifically noted a need for another can/bottle bin)
- 2) Signs 9
 - · Clear information
 - 2 comments related to signs on garbage cans that remind students to recycle before throwing something away – "Can you recycle that?" "You sure that's trash?"
 - Signs specific as to what can be recycled from breakfast and lunch periods
- 3) More education needed 5
 - · Keep staff well-informed
 - Keep staff talking to and reminding students about recycling
 - · Need more information on what to recycle here & where

Lakeside

- 1) Signs 6
 - Good for visual reminders
 - · Show what the different plastic #'s mean
 - Show positive environmental benefits of recycling
- 2) Education -6
 - · Notice/memo of importance of recycling
 - Education for better separation of product
 - Teachers should talk to and remind students more often
 - We should be more informed and train students to take their time
 - Awareness program or recycling contest (suggested between grades or between buildings)
 - Student-run programs
- 3) Containers 5
 - "Maybe we could use a central location"
 - Easily accessible containers
 - More garbage and recycling containers overall

Chisago Lakes Primary School

- 1) Signs 5
 - Signs on what is recyclable/importance of recycling
- 2) More bins 3
 - Plastic recycling container wanted for near the office
 - Containers should be more accessible
- 3) More promotion/education 4
 - Contest between buildings or classrooms
 - · Reminders to staff from time to time
- 4) More re-use opportunities

Other District Buildings

- 1) Containers
 - · Wanted in more locations (DO, Community Ed., Pathway to Change)
 - Plastic bottle/can recycling at DO "more recycling for other items, not just paper"
 - More accessibility to current containers at Community Ed and more containers needed in offices and the ABE classroom (for paper)
 - Pathway more accessibility to current containers, a few needed here too for plastic (kitchens) and paper (classrooms/offices)
 - Staff unaware of where bins are let them know locations and what is recyclable (At Community Ed.)
- 2) New ideas
 - District Office compost site at back of DO for food scraps
 - Community Ed would like affirmation that all recyclables are currently recycled correctly
- 3) Signs
 - · Community Ed signs or memo on what is recyclable
- 8. Please list any other comments about recycling at your school that we should know.

I received numerous responses from individuals at the differing buildings on this question. I used this question as a "final thoughts" segment of the survey. I copy and pasted all of the responses from staff members at the individual buildings below. Many of the responses are similar to previous questions; however there were a few of note. See all of them for each school below.

Chisago Lakes High School

- "Not everyone (including teachers and administration) understand the value of recycling. Also
 they need to be aware of reducing energy consumption, i.e. turning off lights in unoccupied
 rooms."
- "It's too bad that people don't recycle as much as they could here..."
- "Our school does a nice job [recycling] with the class that picks up the recycle bins."
- "In our building the students collect the recycling and there is only one bin in each classroom. If there is too much mixes stuff or it is "drippy" the students will just dump it into the trash. Even with gloves they will not touch it."

Chisago Lakes Middle School

- "Use more recycled products."
- "We should not be ashamed and humiliated to report those who do not comply. I feel as though
 this is a major responsibility that all of us have as people on the face of the earth. We should be

fanatical about compliance and the care given to keep the recyclable materials uncontaminated."

- "need more bins for cans and bottles in all school buildings"
- "It's frustrating that when we are here during open house when there isn't a recycling team of students that the custodians throw away what we teachers have sorted as recycling into the trash. When I asked a custodian about it, he stated that, "This is just what we do until students do it." The frustrating thing of this is that I recycle more before school starts than I do throughout the year when cleaning out binders and folders from the previous year. If the kids are expected to recycle and put in the extra work, we adults and the custodians should be held accountable as well."
- "Kids need frequent reminders. Some are really good and some are not."
- "I think our school does a great job!"
- "Not sure if there are any glass bins."
- "lot more recycle cans for class rooms bigger ones and more frequent emptying of them"

Taylor's Falls Elementary School

- "Many of us would like to have the food recycling program at TF"
- "we are willing [to recycle more], usually not able"
- "We need to get away from all the plastic used and thrown into landfills from the cafeteria."
- "People should be reminded to rinse out there recyclables before dropping them into the bins.
 It makes the job of actually recycling easier."
- "It would be nice if we could recycle the food somehow"
- "we're not able to recycle the leftover food in the lunchroom because there is no one willing to come this far to pick it up"
- "We are all trying a little with the recycling. It is getting to be more than we did before."
- "wish the farm would take our food- would be nice to have someone able to use the food waste"

Lakeside Elementary School

- "The staff needs to set an example, if we show that we care, then we can pass that on to the students. I personally have more things each time in my recycle bin than the trash bin. If we don't care about how the Earth is treated how can we raise children that will. I was told by a little one 'We have to take care of Mother Earth, she doesn't like it when there is litter all over."
- "Teaching the kids to care about re-cycling as when they care they try harder."
- "It has gotten better over the last few years."
- "The bins overflow and then there is nowhere to even dump your paper! Dumping bins needs to be done more often."
- "I think the first thing to do is reduce as much as possible. Two -sided copies wherever possible!"
- "I think staff and students are willing to recycle more. We just need more information and gentle reminders."

Chisago Lakes Primary School

- "I believe there should be more recycling done."
- "Visitors frequently toss plastic bottles in the paper recycling bins, so perhaps better signage on the blue paper-only bins would help."

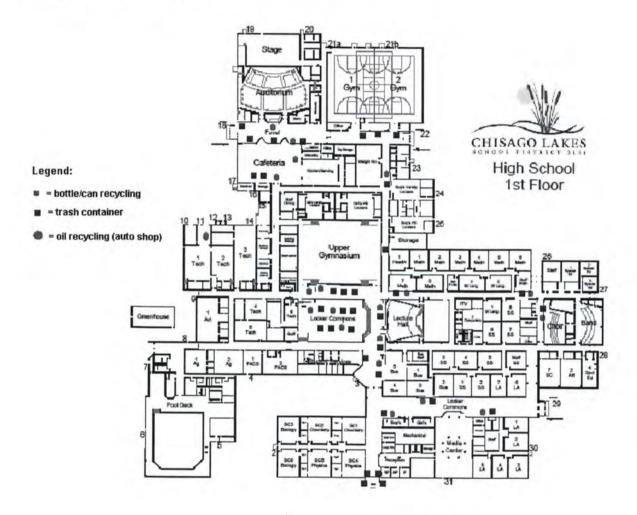
Other District Buildings

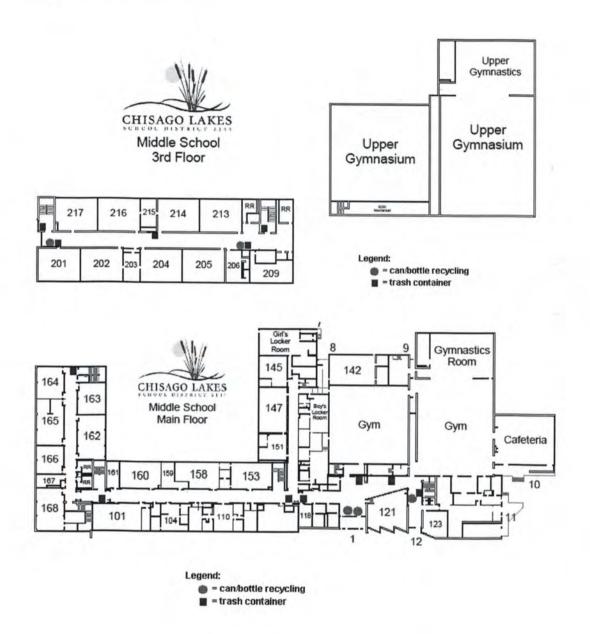
- "We are concerned that paper is not actually being recycled when it leaves our building."
 (Community Education)
- "Please send recycle containers to the ABE classroom. Thank you." (Community Education)
- "Right now, Heide takes the plastic bottles and puts them in her home recycling. We need a container here please." (District Office)

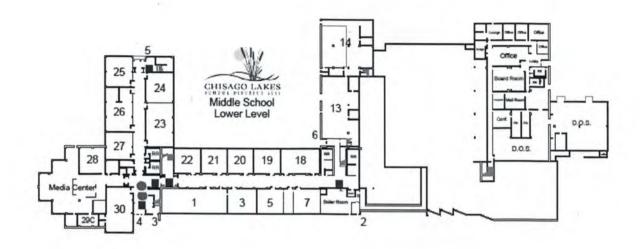
Appendix I:

Current recycling and trash container locations in each school in District #2144. All bin placements were approximated by walkthroughs on April 5^{th} , 8^{th} , and $30^{th}2013$.

Chisago Lakes High School



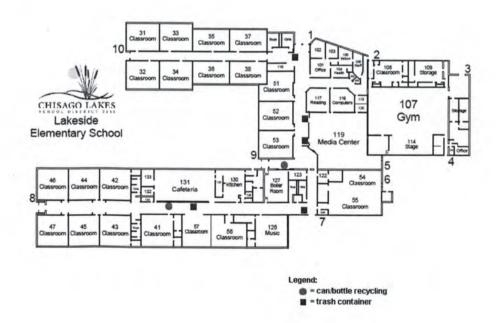




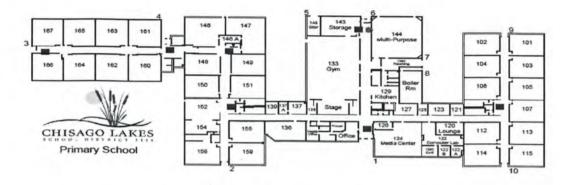
Legend:

- = can/bottle recycling
- = trash container

Lakeside Elementary

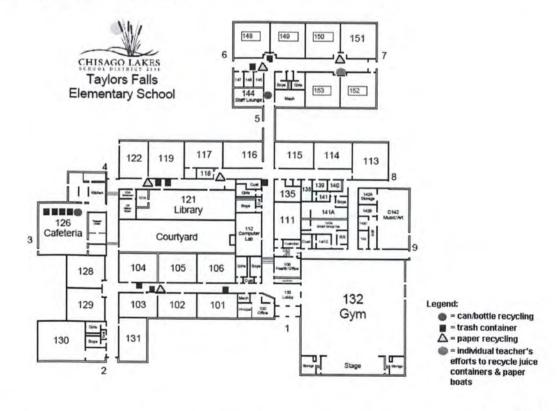


Chisago Lakes Primary School



e bottle/can

Taylor's Falls Elementary School



Appendix II

Chisago Lakes High School Walkthrough Photos





Right: Plastic bottle recycling. Labeled okay, but can also take cans – will be upgrading signage Spring 2013. The bottle/can sized hole is good for students/staff to visualize what can go in the container too!

Left: Unique signage on the wall. I like it! I'd assume it's very helpful to keep bottles/cans/garbage

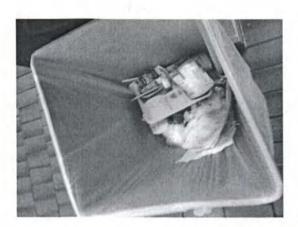
off floors. It was on the wall behind the garbage can and bottle receptacle.





Right: Current bin is purposed for garbage, but had lots of paper contaminants, as you can see here. This was located in the senior locker area.

Left: locker commons area trash can. No signage associated with it.





Right: Locker commons area trash container, example of contents. Half appears to be trash; half appears to be paper contaminants. Signage is needed on these containers so students can know the purpose of each container. There should be paper recycling in the commons areas, if not all the time, at least at the end-of-year cleanout time!

Left: bottle-filling station located near the locker commons area. As of April 30th, over 1,000 bottles were refilled here! The station was installed the week of April 15th. In a full school year, potentially **18,000 bottles** could be prevented from the waste stream if we approximate 500 bottles per week being re-filled!!

Chisago Lakes Middle School walkthrough photos





Right: Great student-designed sign at CLMS!! Maybe there are future opportunities for bottle filling stations at CLMS?

Left: CLMS: lower entry way. Two bottle/can containers and a trash container. Ideally, trash containers and bottle/can containers should be paired in a 1:1 ratio. Perhaps there is a better location for one of the bottle/can containers at CLMS? Two ends of the building were lacking containers: the west end of the middle floor, and the east side of the lower level. Perhaps could pair those with trash containers as seen on the map.

Taylors Falls Elementary walkthrough photos







Right: Cell phone and ink cartridge recycling in front hallway for fundraising efforts by Parents for Education group at TF.

Middle: Paper recycling paired with trash can in hallway. Awesome!

Left: Individual teacher's efforts to recycle plastic juice cups and un-contaminated (no food waste on them) paper boats. Great work!

Appendix D: Amendment to the Joint Powers Agreement

APPENDIX D

AMENDMENT TO JOINT POWER AGREEMENT

This agreement is made by and between the Counties of Chisago, Isanti, Kanabec, Mille Lacs, and Pine (collectively, the "Counties" and each individually, a "County"), pursuant to Minn Stat §471.59.

WHEREAS, the Counties entered into a Joint Powers Agreement in March of 1988 establishing the East Central Solid Waste Commission ("Commission").

WHEREAS, the Joint Powers Agreement provides for termination on January 1, 2008

WHEREAS, the Counties agree that the purposes for which the Commission was originally established remain vitally important to the public within the contiguous five county area.

WHEREAS, the Counties recently refinanced the debt through June 1, 2007, which fixes each County's proportionate share of the bond debt based on the terms of the original Joint Powers Agreement.

WHEREAS, for purposes of planning and management of solid waste operations of the Commission, it is necessary to amend the Joint Powers Agreement to provide for continued operation of the Commission beyond the current termination date.

WHEREAS, each of the Counties represent that they have been duly authorized to enter into this Amendment to the Joint Powers Agreement by their respective Board of County Commissioners

NOW, THEREFORE, the parties agree as follows:

- 1 The County proportionate share ratios shall be adjusted upon the admission of additional counties or withdrawal of present Counties to the Commission and upon publication of the 2010 decennial U.S. Census and each decennial U.S. Census thereafter.
 - 2 The January 1, 2008 dissolution date for the Commission is hereby deleted.

3 The remainder of the Joint Powers Agreement shall remain in full force and effect, except where the provisions are inconsistent with this Amendment

		COUNTY OF CHISAGO
Date:	By:	
		County Board Chair
	By:	
		Clerk to the County Board
	(COUNTY OF ISANTI
Date:	By:	
		County Board Chair
	By:	
		Clerk to the County Board
		COUNTY OF KANABEC
Date	By	
		County Board Chair
	By:	
		Clerk to the County Board
	C	OUNTY OF MILLE LACS
Date:	By:	
		County Board Chair
	By:	
		Clerk to the County Board
		COUNTY OF PINE
Date	By:	
		County Board Chair
	Ву:	
		Clerk to the County Board

Appendix E: Joint Powers Agreement

APPENDIX E

EAST CENTRAL SOLID WASTE COMMISSION JOINT POWERS AGREEMENT

THIS AGREEMENT IS MADE by and between the Counties of Mille Lacs, Pine, Kanabec, Chisago and Isanti (collectively, the "Counties," and each individually, a "County"), pursuant to Minnesota Statutes, Section 471.59, the Joint Powers Act, each of the parties having been duly authorized to enter into this Agreement by its respective Board of County Commissioners.

Each of the Counties is authorized and obligated pursuant to Minnesota Statutes, Chapter 400 and 115A, to provide for the management of solid waste in its respective County and intends that the system created by this Agreement shall accomplish that end.

It is the intention of the Counties that they cooperate in a joint venture to provide the greatest public service benefit possible for the entire contiguous five county area encompassed by the Counties in planning, management and implementation of methods to deal with solid waste in east central Minnesota.

JOINT POWERS

By this Agreement the Counties of Mille Lacs, Pine, Kanabec, Isanti and Chisago are jointly empowered to act on behalf of the several Counties and to take such actions as may be necessary from time to time as empowered by this Agreement and subsequent amendments hereto. This Agreement supersedes all previous joint powers agreements and addenda.

JOINT POWERS BOARD

The administrative and executive functions of the activities contemplated by this Agreement shall be administered and carried out by a Joint Powers Board. This board shall be known as the "East Central Solid Waste Commission" and referred to herein as the "Commission." The Commission shall be comprised of five members, one voting member from each County. There shall be five alternate members. At its annual meeting, the Board of County Commissioners of each County shall choose a member and an alternate, who shall both be County Commissioners, as representatives of the County. Each County shall have one voting member, and in the absence of the voting member, the alternate member shall vote.

The Commission may provide for the appointment of staff for the Commission including, but not limited to, a director, a clerk for the Commission, legal counsel and such other staff as may be deemed appropriate. The staff may meet as an advisory committee at the same time as the Commission and may provide advice to the Commission upon request. No staff member may vote on decisions of the Commission.

The Commission shall select from among its members a chairman and a vice chairman, who shall serve in their respective capacities for one year terms or until their successors are duly qualified to act. No voting County representative to the Commission shall be deprived of the right

to vote by virtue of appointment as chairman or vice chairman of the Commission.

PURPOSE

This Joint Powers Agreement is made for the purpose of conducting a solid waste management program on behalf of the Counties as authorized by Minnesota Statutes, Chapter 400 and 115A. It is the purpose of this Agreement to grant the Commission the power to adopt and amend a solid waste management program or plan for the Counties; to require the delivery of waste generated in the Counties to designated facilities pursuant tc Minnesota Statues, Sections 400.162 and 115A.81 115A.893, in furtherance of such program or plan; to contract for solid waste collection, processing, disposal and management service; and to purchase, acquire, construct, operate and sell both real and personal property and facilities including a transfer station system, a sanitary landfill and a processing system. The Agreement also authorizes the Commission to finance the purchase, planning, construction and operation of property and facilities in furtherance of the Commission's solid waste management program through appropriations by the Counties, grants and loans from the Minnesota Waste Management Board, the sale of bonds or other obligations secured by revenues of the Board pursuant to Minnesota Statutes, Section 471.59, Subdivision 11, and other applicable law, and any other lawful financing method available to the Commission or the Counties.

COUNTIES' PROPORTIONAL SHARES

The Counties have from time to time contributed funds toward the execution of these joint powers and the creation of the Commission, and agree that they shall continue to do so. Upon the Commission's request the Counties shall appropriate funds to the Commission in an aggregate amount not to exceed \$150,000 per year, to carry out the purposes of this Agreement.

The Counties agree that the Counties shall appropriate operating funds to the Commission in the following ratios (each a "Proportional Share"), based upon current populations:

Chisago	25.8%
Isanti	23.6%
Kanabec	12.2%
Pine	19.9%
Mille Lacs	18.5%
	_ , , ,

These ratios shall be adjusted in 1991 based upon the results, when available, of the 1990 United States census and shall be adjusted upon the admission of additional counties or withdrawal of present counties to the Commission.

The Commission shall have the authority to authorize the expenditure of the appropriated and contributed funds for the purposes designated in this Agreement.

No expenditure may be made by or on behalf of the Commission in a manner or for a purpose not authorized by law nor may any contract or purchase be made that does not comply with applicable provisions of the Uniform Municipal Contracting Law as adopted in the State of Minnesota and

amended from time to time and Minnesota Statutes, Section 400.

DELEGATION OF AUTHORITY

The Commission is expressly authorized to enter into negotiations with the owner or operator of any new or existing solid waste processing facility on behalf of the Counties and to recommend to each County the acceptance of any proposal for the processing of solid waste as may be appropriate under the circumstances in the best judgment of the Commission. Toward that end, the Commission is further expressly authorized to contract with third parties or consulting services as may be, in the judgment of the Commission, necessary or desirable from time to time in order to carry out the purposes of this Agreement.

The Commission shall be authorized to prepare, adopt and submit to the Waste Management Board a joint designation plan; to negotiate and enter into waste delivery contracts; and to undertake all other activities necessary to comply with the designation process, as prescribed in Minnesota Statutes, Subdivision 115A.81 to 115A.93, except for the adoption of the designation ordinance provided herein.

In addition the Commission shall be authorized to own, purchase, sell, construct, operate and maintain solid waste facilities, transfer stations, processing facilities, recycling or composting facilities, landfills, transport equipment and other equipment necessary or collateral to their operation; and the Commission is further authorized to enter into contracts for the

purchase, acquisition, construction, sale, provision, operation or maintenance of solid waste facilities, transfer stations, transport equipment, landfills, processing facilities, recycling or composting facilities and equipment necessary for their operations as the same may become necessary or appropriate in implementing the solid waste management program or operating the waste handling system and facilities herein contemplated.

In addition, the Commission shall be authorized to acquire by gift, lease, purchase or eminent domain as provided by law, any land or interest in land upon such terms and conditions as it shall determine, including the use of contracts for deed, within or outside of the five counties comprising the counties included within this Agreement.

The Counties authorize the Commission to issue and sell bonds and other obligations as provided by law, including without limitation Minnesota Statutes, Sections 400.101 and 471.59, Subdivision 11, in order to carry out the purposes of this Agreement.

The Commission must obtain approval from the Board of County Commissioners of each of the Counties before approving a solid waste management plan, except for adoption of a designation plan as provided for herein, entering into any contract greater than five years' duration for solid waste disposal services or the use of solid waste facilities.

In all other respects, the Commission shall have full power and authority to take such actions as may be necessary or

appropriate from time to time in order to carry out the purposes of this Agreement except as expressly limited herein.

DURATION, EXPULSION, WITHDRAWAL AND DISSOLUTION

This Agreement shall be effective upon adoption by all member Counties and shall terminate upon dissolution of the Commission. The Commission hereby created shall remain in existence so long as two or more Counties remain as parties to this Agreement, or, if not earlier dissolved, until January 1, 2008. The Commission shall be dissolved automatically at such time as there is no longer more than one County that has not withdrawn from the Commission. Upon dissolution of the Commission, there shall be an accounting to determine assets and liabilities of the Commission. The assets of the Commission shall be liquidated and, after payment of liabilities, the proceeds shall be distributed to the Counties based upon the ratios set out under "County Proportional Share." No County may withdraw from this Agreement prior to the fulfillment of the County's Proportional Share of all financial obligations attributable to the County hereunder except as provided herein.

Expulsion. Upon failure of any County to perform obligations undertaken by the County in this Agreement or in furtherance of the joint powers exercised through this Agreement, the remaining Counties may expel the offending County. Such expulsion shall not in any way limit or constitute a waiver of remedies available to the remaining Counties for default or breach of this Agreement. No County may be expelled

from membership in the Commission unless it shall have been notified of the item or items of non-performance and have failed within 90 days following submission of such notice to cure the default. Upon expulsion an expelled County shall pay its Proportional Share of the Commission's financial liability and other damages as if it had withdrawn.

Withdrawal. Any County may withdraw from participation in the Commission upon the following conditions: 1) 6 months' notice to the remaining Counties; 2) payment to the Commission of any liquidated damages or penalties for which the remaining Counties may be liable; 3) payment to the Commission of the withdrawing County's Proportional Share of the Commission's financial liability. The remaining Counties shall make reasonable efforts to mitigate the damages which may be incurred as a result of the withdrawal of any County.

INSURANCE

The Commission is authorized and directed to procure such contracts of insurance as are economically practicable covering the operations of the Commission and insuring the members of the Commission against liability for errors or omissions. Said insurance may be provided out of the funds of the Commission through the purchase of commercial insurance or through the Minnesota county self-insurance pool.

EMPLOYEES

The Commission is authorized to employ such persons as it deems appropriate for the effective exercise of its powers hereunder and to contract with independent outside professionals as consultants to assist in that endeavor. Said employees and consultants shall be employees of and consultants to the Commission and not of any of the member counties.

ORDINANCE PROMULGATION

Each County agrees that it shall promulgate one or more ordinances providing for necessary restrictions on the flow of solid waste, the manner of deposit of solid waste and such other restrictions as may from time to time be necessary in order to implement the solid waste management program herein contemplated, including, if recommended by the Commission, a designation ordinance pursuant to Minnesota Statutes, Sections 115A.81 to 115A.893. The Commission shall draft a model ordinance or ordinances for the Counties and each of the Counties shall adopt such ordinance or ordinances in substantial conformity therewith in order to implement the solid waste management program.

AMENDMENT

The Counties contemplate that this Agreement may be amended from time to time in order to accommodate changes in the waste stream, changes in the demographics of the Counties and contractual commitments of the Commission or for any other reason as the Counties deem to be in their best interests. No amendment of the Agreement shall relieve any County of any

liability which may have accrued prior to the effective date of such amendment, nor may this Agreement be amended by less than the unanimous consent of the member Counties.

NOTICE

Notice as required under this Agreement shall be given in writing by certified mail to the County Board Chairman and Clerk to the County Board of the County to receive notice.

By virtue of the duly authorized signatures set forth below, the Counties hereby make this Agreement.

Dated 721.13.66 65 1994	County OF MILLE LACS County Board Chairman By Chark to the County Board
•	COUNTY OF SINE
Dated_3/9/88	BY COMPONIES AND COUNTY BOATH
	COUNTY OF KAMABEC By 1 County Board Chairman
Dated3-23-88	By Clerk County Board

	2207-1000	COUNTY OF CHISAGO
Dated	3-3-28	By Clerk to the Gounty Soard
		COUNTY OF ISANTI
Dated_	3-16-88	By Clerk cotche Councy Board

Appendix F: Amendment to Arthur Host Fee Agreement

APPENDIX F

AMENDMENT NUMBER 1 TO THE AGREEMENT BETWEEN EAST CENTRAL SOLID WASTE COMMISSION AND ARTHUR TOWNSHIP

WHEREAS, an Agreement between the East Central Solid Waste Commission (Commission) and Arthur Township (Township) effective January 1, 1994 has expired; and,

WHEREAS, both parties agree that an amendment to the contract is in order.

The Commission and the Township hereby agree to amend the Agreement as follows:

Paragraph 7 is amended by adding sub-paragraph a and sub-paragraph b as follows:

- a. The parties further agree that this Agreement will renew every January 1st of each year for a period of one year without change to the terms and conditions herein unless either party provides written notification to the other of proposed changes at least sixty (60) days in advance of the expiration date. The expiration date will be December 31st of each year.
- Notwithstanding the date of the signature of the parties, this amendment shall be effective December 31, 1994.

ARTHUR TOWNSHIP

D	ate: March, 27, 1996	By: Robert B. Oskale in Town Board Cheir
D	nie: March 37 1996	By: <u>Lielle Stut</u>
	EAST CENTRAL S	OLID WASTE COMMISSION
D	ase: 1961 1 109	By: Seard Chair
D	me: agril 1, 1996	By: Dear Karry Board Clerk www.sirapar:

Appendix G: Arthur Township Host Fee Agreement

APPENDIX G AGREEMENT East Central Solid Waste Commission & Arthur Township

This Agreement is made between the East Central Solid Waste Control Commission, a joint powers entity created pursuant to Minnesota Statutes, Section 471.59, by the Counties of Mille Lacs, Pine, Kanabec, Chisago and Isanti (hereinafter "Commission") and Arthur Township, a political subdivision of Kanabec County (hereinafter "Township").

The Commission was created for the purpose of jointly managing the disposal of mixed municipal solid waste ("MMSW") produced in the counties of Mille Lacs, Pine, Kanabec, Chisago and Isanti as authorized in Minnesota Statutes, Chapters 400 and 473.

The Commission desires to enter into an Agreement with the Township wherein the provisions of Minnesota Statutes, Section 115A.921 are addressed. This section allows a city or town to impose a fee not to exceed \$1.00 per cubic yard, or equivalent, on operators of facilities located within the city or town for disposal of mixed municipal solid waste.

This Agreement sets forth the terms and conditions under which fees will be remitted by the Commission for MMSW landfilled or disposed of at the Commission's facility located in the Township.

AGREEMENT:

The Commission and the Township agree to the following terms and conditions.

 The Commission's facility is located in Arthur Township, Kanabec County (the "facility") and is legally described as:

The Southeast Quarter of the Southeast Quarter of Section 20, Township 39, Range 24, Kanabec County.

The Commission shall remit to the Township a fee, under Minnesota Statutes, Section 115A.921, Subd. 1, on a monthly basis following preparation of monthly tonnage reports by the Commission. Payments to the Township will be made no later than 60 days after the last day of the month for which tonnage figures are accumulated. This means that amounts remitted to the Township for MMSW disposed of in the month of January will be tendered to the Township no later than March 31st.

3. The Commission shall remit to the Township for MMSW the rate of \$1.00 per ton, measured by waste scaled and processed and/or landfilled at the Commission's facility identified in #1 above. A summary monthly tonnage report will be prepared by the Commission that reflects monthly tonnages supported by Commission scale tickets. Should the Commission subsequently enter into an agreement that provides for a waste exchange, the Commission will not be obligated to pay the township any monies under this agreement for MMSW processed and/or disposed of at a location outside the facility identified in #1 above. To affect this provision, the Commission will show, as a separate line on its monthly tonnage reports, the waste weights of all out-bound MMSW transferred to a facility located outside the confines of the facility identified in #1 above. This weight will be subtracted from the total weight scaled at the facility identified in #1 above to arrive at the net weight to be used to determine the amounts payable the Township under this agreement.

The parties agree that each ton of MMSW scaled at the facility identified in #1 above will be equal to 2.8 cubic yards. Payments to the Township shall be calculated and remitted based on this calculation. The Commission, however, shall be entitled to any exemption under Minnesota Statutes; Section 115A.921, Subd 1.

- Upon written request, the Commission shall make available for inspection to the Township, records of the Commission that detail monthly volume of MMSW actually scaled at the Commission's facility.
- Notwithstanding the provisions of Paragraph #3 above, the Commission shall remit to the Township a fee at the rate of \$.25 per ton only in the event that the provisions of Minnesota Statutes, Section 115A.921, Subd.1 are satisfied. The provisions of this paragraph shall not be construed to require the Commission to remit fees over and above those set forth in Paragraph #3 above but only to remit a fee of \$.25 per ton in the event Minnesota Statutes, Section 115A.921, Subd. 1 is satisfied.
- 6. The Township, or its successors, shall defend, indemnify and hold harmless >the Commission, its officers, agents and employees, officially or personally responsible, against any and all actions, claims or demands whatsoever, which shall arise from or on account of any actions arising because of Township employees performing duties on behalf of the Township. The Commission shall defend, indemnify and hold harmless the Township against any and all actions, claims or demands whatsoever, which shall arise from or on account of any action arising because of Commission employees performing on behalf of the Commission.

- Notwithstanding the date of the signature of the parties, this Agreement shall
 commence Jamusy 1, 1994 and shall continue through December 31, 1994.
 Expiration of the Agreement as described because shall not provide the parties from
 entering into such other agreements as may be mutually acceptable.
- 8. This Agreement may only be arounded by mutual written agreement.
- The Commission and the Township agree that this constitutes the entire agreement, and by executing this document as set forth below agree to be bound by the terms and conditions baroin. The perses further acknowledge by signing this Agreement that each party has satisfied in full all obligations or conditions of the perses' previous Agreement dated December 31, 1988.

	ARTHUR TOWNSHIP
Date 3/17/94	By: Robert O. L.A.: Town Board Chair
	Yown Board Chair
Date: 3-17-94	By Lineable Boharde
Date:	EAST CENTRAL SOLED WASTE COMMESSION By Lawil A. Tellengelen
Date:	By Och Remail
#1695: neckman. flore D'0008/04	
A MOANA	
Rose Control Solid Water Chreenleving	

Appendix H: Kanabec County Agreement

APPENDIX H HOST FEE AGREEMENT BETWEEN EAST CENTRAL SOLID WASTE COMMISSION AND KANABEC COUNTY

This Agreement is entered into this 1 st day of September, 2004, by and between the East Central Solid Waste Commission ("Commission") and Kanabec County ("County").

WHEREAS, the Commission owns and operates a mixed municipal solid waste land disposal facility currently operated under MPCA Permit SW17 ("Facility") located in Arthur Township, Kanabec County, Minnesota.

WHEREAS, the Facility provides disposal services to residents and businesses in the five county area including the counties of Chisago, Isanti, Kanabec, Mill Lacs, and Pine.

WHEREAS, the Commission proposes to expand its Facility to add additional disposal capacity.

WHEREAS, County currently charges Commission a landfill fee equivalent to \$3.33 per ton in accordance with Minnesota Statute § 115A.919, which limits the use of those funds to landfill abatement, closure or post closure costs, response actions, or other costs related to local risks or adverse effects of the landfill.

WHEREAS, the parties desire to enter into this Host Fee Agreement, in lieu of the statutory fee in § 115A.919 and in consideration of the promises and agreements set forth herein.

NOW, THEREFORE, in consideration of the mutual benefits and promises contained herein, Commission and County hereby agree as follows:

1. Effective Date.

The Host Fee shall be effective the first month following the date the Agreement is fully executed.

2. Host Fee.

The Commission agrees to pay to County a fee in the nature of a host fee for all waste received on the landfill property. The Host Fee calculation shall be determined from the records of the Commission. Any waste accepted at the Facility for processing or beneficial reuse shall be exempt from the Host Fee. Processing means converting the waste material into productive material that does not become landfilled.

The Host Fee per ton shall be \$4.55 per ton.

Payment shall be made to the County Treasurer within 30 days of the close of business for each month, with the Commission providing the total tonnage and rate information supporting each monthly payment. Payment will be reduced by 12% in acknowledgment of Kanabec County waste received.

Adjustments.

Beginning in the year 2008, the Host Fee shall increase to \$5.00 per ton. The parties agree to review the Host Fee for increase every five (5) years thereafter. An increase can occur only by mutual agreement of the parties.

4. Waiver.

The host fee provided for in this Agreement is in lieu of a county fee on solid waste disposal operations authorized under Minn. Stat. § 115A.919 or a similar statute, as it may

be amended or modified in the future. County hereby waives its right to impose a fee on solid waste disposal operations throughout the term of this Agreement. ECSWC understands and agrees that the ECSWC continues to be completely liable for landfill abatement, or costs of closure, post closure care, and response actions.

Assignment.

No benefit or burden of this Agreement may be assigned by either party without the written consent of the other. In the event of an assignment, the assignee shall be subject to all terms and conditions of this Agreement.

6. Cooperation.

Upon execution of this Agreement, Commission and County agree to work cooperatively to expand the Landfill as proposed by the Commission. The parties agree that the ECSWC will use it's best efforts to accept wastes for landfill disposal only from the counties of Chisago, Isanti, Kanabec, Mille Lacs, and Pine, and from the surrounding counties served by currently contracted haulers. New waste volume generated from outside the five county area may only be accepted for landfill disposal by unanimous vote of the Commission. The County agrees that the Commission meets all current county zoning requirements and agrees not to change these requirements for the Landfill for the duration of this agreement, except for zoning, permit or license requirements as required by state law

7. Term of Agreement.

This Agreement is effective upon execution by both parties and the adoption and execution by Kanabec County of the ECSWC Joint Powers Agreement 2003 Amendment which deletes the January 1, 2008 dissolution date for the ECSWC. This

Agreement shall terminate the earlier of:

- (1) termination of land disposal operations at the Facility, or
- (2) July 1,2026.

8. Notice.

Any notice required by this Agreement may be mailed by registered United States mail, postage prepaid, or hand delivered to the following representative of the party at the address listed below:

If to Commission:

Executive Director
East Central Solid Waste Commission
1756 180th Avenue
Mora, MN 55051

If to County:

County Coordinator Suite 181 18 North Vine Street Mora, MN 55051-1351

9. <u>Interpretation.</u>

This Agreement shall be construed and interpreted in accordance with the law of the State of Minnesota.

10. Integration.

This Agreement contains the full and final agreement between the parties and no matter, whether written or oral, not herein contained, shall be understood to be part of the agreement unless properly executed, in writing, by a duly authorized representative of each of the parties hereto and expressly acknowledged to be part of this Agreement. IN WITNESS

WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

its:

CHAIRMAN

Commission Counsel

Appendix I: Chisago County Solid Waste Ordinance

An ordinance authorizing and providing for County Solid Waste Management, establishing powers and duties in connection therewith, establishing standards and requirements for solid waste management operations within the County of Chisago, requiring a license for establishment and use of a solid waste management operation; embodying minimum standards and requirements established 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, Chapters 115, 115A, 116 and 400.

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

- SECTION I. DEFINITIONS. Unless specifically altered, terms and abbreviations used 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 herein which are not specifically defined by law shall be construed in accordance with the context and professional usage.
- "Agency" means the Minnesota Pollution Control Subd. 1. 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, or to interfere unreasonably with the enjoyment of life or 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 or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent the County of Chisago 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" means material approved by the Agency 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 compactibility.
- Subd. 9. "Demolition Debris" means solid waste resulting from the demolition of buildings, roads and other man-made structures including concrete, brick, bituminous concrete, untreated wood, masonry, glass, trees, rock and plastic building parts. Demolition debris does not include asbestos wastes.
- Subd. 10. "Demolition Debris Land Disposal Facility" means a site used only to dispose of demolition debris.
- Subd. 11. "Garbage", means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.
- Subd. 12. "Hazardous Waste" means any refuse or discarded material or combinations of refuse or discarded materials in solid, semi-solid, liquid, or gaseous form which cannot be handled by routine waste management techniques because they pose a substantial present or potential hazard to human health or other living organisms because of their chemical, biological, or physical properties. Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. Hazardous waste does not include sewage sludge and source material, special, nuclear material or by-product material as defined by the Atomic Energy Act of 1954, as amended
- Subd. 13. "Incineration" means the process by which solid wastes are burned for the purpose of volume or weight reduction or energy recovery in facilities designed for such use.
- Subd. 14. "Industrial Waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.
- Subd. 15. "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 or system, open

- burning site, incineration, composting, recovery of recyclable materials, reduction, shredding and compression.
- 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. "Major Appliances" means clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, and freezers.
- Subd. 19. "Mixed Municipal Solid Waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate, but does not include auto hulks, street sweepings, ash construction debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams.
- Subd. 20. "Operation" means any site, facility, or activity relating to solid waste management.
- Subd. 21. "Person" means any human being, any municipality or other governmental or political subdivision or other public agency, any public or private corporation, any partnership, firm, association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or any other legal entity.
- Subd. 22. "Putrescible Material" means solid waste which is capable of being rotten, or which may reach a foul state of -decay or decomposition.
- Subd. 23. "Recyclable Materials" means materials that are separated from mixed municipal solid waste, by the generator for the purpose of recycling, including paper, plastic, glass, metals, automobile oil and batteries.
- Subd. 24. "Recycling Facility" means a Facility where recyclable materials are purchased from generators or collectors, processed for marketing or loaded into vehicles for transport to market.
- Subd. 25. "Refuse" means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator ash, incinerator residue, market and industrial solid wastes, and municipal treatment wastes which do not contain free moisture.

- Subd. 26. "Rubbish" means nonputrescible solid wastes, Including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, wood, glass, bedding, crockery or litter of any kind.
- Subd. 27. "Sanitary Landfill" means a land disposal site, permitted by the Agency, 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. 28. "Shoreland" means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark of 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 a river or stream, whichever Is greater.
- Subd. 29. "Solid Waste" means garbage, refuse, sludge from a water supply treatment plant or air contaminant treatment facility, or other discarded waste materials and sludges. In solid, semisolid, 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, boulders, rock; sewage sludge, solid or dissolved material In domestic sewage or other common pollutants In water resources, 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 byproduct material as defined by the Atomic Energy Act of 1954, as amended.
- Subd. 30. "Solid Waste Management Facility" means a sanitary landfill, or an intermediate disposal facility.
- Subd. 31. "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. 32. "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. 33. "Water Pollution" means a) the discharge of any pollutant Into any waters of the State or the contamination of 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, fish or other aquatic life; or b) the man-made or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the State.

Subd. 34. "Waters of the State" means 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.

Subd. 35. "Yard Wastes" means the garden wastes, leaves, lawn cuttings, weeds and prunings generated at residential or commercial properties.

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 an operation for which a license has been granted by the County Board, unless otherwise provided by this ordinance.
- 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 as 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 Solid Waste Officer shall evaluate the application and shall give his recommendations 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 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 shall be contingent upon the applicant furnishing to the County a bond in an amount to be set by resolution, by the County 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, the County is required to expend any monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, the bond holder and the sureties on its bond shall reimburse the County for any and all expenses incurred by the County to remedy failure of the licensee to comply with the terms of this ordinance, and the bond holder and its sureties shall indemnify and save the County harmless from all losses, costs, and charges that may- occur tc-ha . bond holder or its sureties because of any default of the licensee under the terms of his license to operate 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 amounts to be set by the County Board; general liability including, but not limited to, bodily injury, property damage, motor vehicle, loading and unloading and 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 be 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 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 and 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 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 establishes the higher standards for the promotion of public health, safety, and general welfare shall prevail.
- Subd. 10. Every license issued for a solid waste operation shall be recorded in the office of the County Recorder.
- Subd. 11. Nothing in this ordinance shall be construed to require a permit for the beneficial use of Lime By Products from a water supply Treatment Plant.

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 operations 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 proceedings 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. The County Solid Waste Officer does have citation authority.
- (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 shall be 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 waste 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 or 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 of 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.
- (f) The applicant shall provide curbside collection of Recyclable Materials on at least a monthly basis to all solid waste collection customers. Said collection of Recyclable Materials shall include at least four (4) materials.

SECTION VI. SOLID WASTE LAND DISPOSAL FACILITIES.

- Subd. 1. Land disposal facilities, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.
- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

- All Incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency. Additionally, the following requirements shall apply to all incinerators of any size which process solid waste.
- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license' as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:
- (a) All of the same criteria for incinerator construct ion, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than, 6,000 pounds per hour.
- (b) Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
- (a) An operating schedule and a schedule of fees to be levied at the incinerator.
- (b). A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days written 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 process and dispose of all solid waste.

(e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.

(f) Such additional data and information as may be required

by the Solid Waste Officer.

- Subd. 4. During normal operation, the facility shall comply with the following requirements:
- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters of the State shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

SECTION VIII.INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

- Subd. 1. No Intermediate Solid Waste Disposal Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefor 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 used 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 the premises.
- (d) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the
- (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.

SECTION IX. RECYCLING FACILITIES

Subd. 1. No Recycling Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefore a license from the County Board. 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 used in the immediate vicinity of the operation.
- (c) Complete construction plans and specifications and proposed operating procedures for the operation.
 - (d) Recyclable Materials to be accepted at the Facility.
- (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. A Recycling Facility shall be constructed, operated and maintained In compliance with the following requirements.
- (a) A sign shall be posted on the premises indicating the name of the operation and the days and hours during which it is open to the public.
- (b) Sanitary facilities and shelter adequate for employees shall be provided on the premises.
- (c) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of Recyclable Materials processed by the operation.
- (d). The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a nuisance or unsanitary condition.
- (e) The premise entrances and exits shall be maintained in a clean, neat and orderly manner at all times.

SECTION X. LICENSE FEES.

Approval by the County Board of an application for license for a solid waste management facility shall be contingent upon the payment to the County of a license fee in the amount established by 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 license renewal. Non-payment of the annual so-lid waste collector's or transporter's fee shall be ground for denial of license renewal. Fees shall be paid to the County Treasurer prior to issuance of licenses.

SECTION XI. 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 one year from the effective date of this ordinance or five years prior to termination of the operation, whichever occurs sooner.

The purpose of the escrow account is to set aside adequate funds to continue the sampling required by the County or the Agency for a period requiring by the Agency. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payments 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.
- 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:

Lane Disposal Facility
Transfer Station
Incineration Facility

one year one year

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.

SECTION XII. VARIANCES

Upon written application by the applicant or operator, the County Board may grant variances 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 XIII. 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 to the County Board

within a sixty (60) day period following the effective date of this ordinance.

SECTION XIV. 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 or facilities.

SECTION XV. 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 judgement shall not affect any other provision of this ordinance not specifically Included In said judgement.
- 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 judgement shall not affect the application of said provision to any other structure, site, facility, or operation not specifically Included said judgement.

SECTION XVI. 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 XVII. 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 XVIII. VIOLATIONS.

Subd. 1. Any person who violates or falls, 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. In addition to other remedies this ordinance may be enforced by any civil action In District Court to prevent, restrain, correct or abate violations or otherwise compel compllance.

SECTION XIX. OTHER ORDINANCES AND REGULATIONS.

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

SECTION XX. EFFECTIVE DATE.

This ordinance shall be in full force and effect from and after its passage and publication according to law. All requirements shall take effect immediately, except for licensing solid waste collection. Solid Waste collection licenses will be required as of July 1, 1990.

Passed and approved this 15th day of February, 1990, by the Chisago County Board of Commissioners.

Phil Leier, Chairman

Attest:

Dorothy Person County Coordinator Clerk, County Board

Appendix J: Isanti County Solid Waste Ordinance



APPENDIX J

198581

ISANTI COUNTY SOLID WASTE ORDINANCE

An ordinance authorizing and providing for County Solid Waste Management, establishing powers and duties in connection therewith, establishing standards and requirements for solid waste management operations within the County of Isanti, requiring a license for establishment and use of a solid waste management operation; embodying minimum standards and requirements established 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; and purpose and object to promote health, welfare and safety of the public and protect resources of water, air and land pursuant to Minnesota Statutes, Chapters 115, 115A, 116 and 400.

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

SECTION I. "DEFINITIONS" Unless specifically altered," terms and abbreviations used 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 herein which are not specifically defined by law shall be construed 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, or to interfere unreasonably with the enjoyment of life or 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 or for the purpose of collection and/or transportation of any type of solid waste.

- Subd 6. "County" means any department or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent the County of Isanti 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" means material approved by the Agency 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 compactibility.
- Subd. 9. "Demolition Debris" means solid waste resulting from the demolition of buildings, roads and other man-made structures including concrete, brick, bituminous concrete, untreated wood, masonry, glass, trees, rock and plastic building parts. Demolition debris does not include asbestos wastes.
- Subd. 10. "Demolition Debris Land Disposal Facility" means a site used only to dispose of demolition debris.
- Subd. 11. "Garbage" means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.
- Subd. 12. "Hazardous Waste" means any refuse or discarded material or combinations of refuse or discarded materials in solid, semisolid, liquid, or gaseous form which cannot be handled by routine waste management techniques because they pose a substantial present or potential hazard to human health or other living organisms because of their chemical, biological, or physical properties. Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. "Hazardous waste does not include sewage sludge and source material, special nuclear material or by-product material as defined by the Atomic Energy Act of 1954, as amended
- Subd. 13. "Incineration" means the process by which solid wastes are burned for the purpose of volume or weight reduction or energy recovery in facilities designed for such use.
- Subd. 14. "Industrial Waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.
- Subd. 15. "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 or system, open burning site, incineration, composting, recovery of recyclable materials, reduction, shredding and compression.
- 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. "Major Appliances" means clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, and freezers.
- Subd. 19. "Mixed Municipal Solid Waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate, but does not include auto hulks, street sweepings, ash construction debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams."
- Subd. 20. "Operation" means any site, facility, or activity relating to solid waste management.
- Subd. 21. "Parson", means any human being, any municipality or other governmental or political subdivision or other public agency, any public or private corporation, any partnership, firm, association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or 'any other legal entity
- Subd.22. "Putrescible Material" means solid waste which is capable of being rotten, or which may reach a foul state of decay or decomposition.
- Subd. 23. "Recyclable Materials" means materials that are separated from mixed municipal solid waste, by the generator for the purpose of recycling, including paper, plastic, glass, metals, automobile oil and batteries.
- Subd. 24. "Recycling Facility" means a Facility where recyclable materials are purchased from generators or collectors, processed for marketing or loaded into vehicles for transport to market.
- Subd. 25. "Refuse" means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator ash, incinerator residue, market and industrial solid wastes, and municipal treatment wastes which do not contain free moisture.

- Subd. 26. "Rubbish" means nonputrescible solid wastes, including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, wood, glass, bedding, crockery or litter of any kind.
- Subd. 27. "Sanitary Landfill" means a land disposal site, permitted by the Agency, 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. 28. "Shoreland" means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark of 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 a "river or stream, whichever is greater.
- Subd. 29. "Solid Waste" means garbage, refuse, 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, boulders, rock; sewage sludge, solid or dissolved material in domestic sewage or other common pollutants in water resources, 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 by-product material as defined by the Atomic Energy Act of 1954, as amended.
- Subd. 30. "Solid Waste Management Facility" means a sanitary landfill, or an intermediate disposal facility.
- Subd. 31. "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. 32. "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. 33. "Water Pollution" means a) the discharge of any pollutant into any waters of the State or the contamination of 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, fish or other aquatic life; or b) the man-

made or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the State.

- Subd. 34. "Waters of the State" means 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.
- Subd. 35. "Yard Wastes" means the garden wastes, leavaes, lawn cuttings, weeds and prunings generated at residential or commercial properties.

SECTION II. GENERAL PROVISIONS

- Subd. 1. No per shall cause, permit, or allow land or property under his control to be used for solid waste management purposes, except at an operation for which a license has been granted by the County Board, unless otherwise provided by this ordinance.
- 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 as 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 Solid Waste Officer shall evaluate the application and shall give his recommendations 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 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 shall be contingent upon the applicant furnishing to the County a bond in an amount to be set by resolution, by the County Board. This bond shall be payable to the County and shall be issued by a surety or sureties daily 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, or the County is required to expend any monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, the <u>licensee</u> and the sureties on its bond shall reimburse the County for any and all expenses incurred by the County to remedy failure of the licensee to comply with the terms of this ordinance, and the <u>licensee</u> and its sureties shall indemnify and hold the County harmless from all losses, costs, and charges that may occur to the <u>licensee</u> or its sureties because of any default of the licensee under the terms of his license to operate 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 amounts to be set by the County Board, general liability including, but not limited to, bodily injury, property damage, motor vehicle, loading and unloading and gradual pollution insurance.

Subd. 7. Any license granted by the County Board under the provisions of this ordinance may be immediately 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 be leaving the same at the licensed premises with the person in charge thereof or sent by certified mail. A copy of the notice of suspension shall be provided to the County Board. Within 30 days following the date notice is served of the suspension, a hearing shall be held by the County Board at which time the licensee may be heard on the license suspension. 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 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

and 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 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 comparablee conditions imposed by any other provision of this ordinance, or any other applicable law, ordinance or rule the provision which establishes the higher standards for the promotion of public health, safety, and general welfare shall prevail.
- Subd. 10. Every license issued for a solid waste operation shall be recorded in the office of the County Recorder by the Solid Waste Officer.
- Subd. 11 Nothing in this ordinance shall be construed to" require a permit for the beneficial use of Lime By Products from a water supply Treatment Plant nor affect other ordinances controlling or affecting the use of lime by products.

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 operations 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 proceedings 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. The County Board by motion or resolution may grant the Solid Waste Officer Acitation authority.

(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 shall be 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 waste 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 or 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 of 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.
- (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, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.

- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

All incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency. Additionally, the following requirements shall apply to all incinerators of any size which process-solid waste.

- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:

- (a) All of the same criteria for incinerator construction, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (b) Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County, to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
- (a) An operating schedule and a schedule of fees to be levied at the incinerator.
- (b) A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days written 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 process and dispose of all solid waste.
- (e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (f) Such additional data and information as may be required by the Solid Waste Officer.
- Subd. 4. During normal operation, the facility shall comply with the following requirements:
- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

- (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 proceedings 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. The County Solid Waste Officer does have citation authority.
- (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 shall be 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 waste 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 or 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 of 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.
- (f) The applicant shall provide curbside collection of Recyclable Materials on at least a monthly basis to all solid waste collection customers. Said collection of Recyclable Materials shall include at least four (4) materials.

SECTION VI. SOLID WASTE LAND DISPOSAL FACILITIES.

- Subd. 1. Land disposal facilities, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.
- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

- All Incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency. Additionally, the following requirements shall apply to all incinerators of any size which process solid waste.
- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license' as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:
- (a) All of the same criteria for incinerator construct ion, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than, 6,000 pounds per hour.
- (b) Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
- (a) An operating schedule and a schedule of fees to be levied at the incinerator.
- (b). A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days written 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 process and dispose of all solid waste.

(e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.

(f) Such additional data and information as may be required

by the Solid Waste Officer.

- Subd. 4. During normal operation, the facility shall comply with the following requirements:
- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters of the State shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

SECTION VIII.INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

- Subd. 1. No Intermediate Solid Waste Disposal Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefor 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 used 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 the premises.
- (d) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the
- (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.

SECTION IX. RECYCLING FACILITIES

Subd. 1. No Recycling Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefore a license from the County Board. 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 used in the immediate vicinity of the operation.
- (c) Complete construction plans and specifications and proposed operating procedures for the operation.
 - (d) Recyclable Materials to be accepted at the Facility.
- (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. A Recycling Facility shall be constructed, operated and maintained In compliance with the following requirements.
- (a) A sign shall be posted on the premises indicating the name of the operation and the days and hours during which it is open to the public.
- (b) Sanitary facilities and shelter adequate for employees shall be provided on the premises.
- (c) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of Recyclable Materials processed by the operation.
- (d). The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a nuisance or unsanitary condition.
- (e) The premise entrances and exits shall be maintained in a clean, neat and orderly manner at all times.

SECTION X. LICENSE FEES.

Approval by the County Board of an application for license for a solid waste management facility shall be contingent upon the payment to the County of a license fee in the amount established by 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 license renewal. Non-payment of the annual so-lid waste collector's or transporter's fee shall be ground for denial of license renewal. Fees shall be paid to the County Treasurer prior to issuance of licenses.

SECTION XI. 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 one year from the effective date of this ordinance or five years prior to termination of the operation, whichever occurs sooner.

The purpose of the escrow account is to set aside adequate funds to continue the sampling required by the County or the Agency for a period requiring by the Agency. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payments 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.
- 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:

Lane Disposal Facility
Transfer Station
Incineration Facility

one year one year

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.

SECTION XII. VARIANCES

Upon written application by the applicant or operator, the County Board may grant variances 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. 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 XIII. 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 to the County Board

within a sixty (60) day period following the effective date of this ordinance.

SECTION XIV. 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 or facilities.

SECTION XV. 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 judgement shall not affect any other provision of this ordinance not specifically Included In said judgement.
- 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 judgement shall not affect the application of said provision to any other structure, site, facility, or operation not specifically Included said judgement.

SECTION XVI. 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 XVII. 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 XVIII. VIOLATIONS.

Subd. 1. Any person who violates or falls, 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. In addition to other remedies this ordinance may be enforced by any civil action In District Court to prevent, restrain, correct or abate violations or otherwise compel compllance.

SECTION XIX. OTHER ORDINANCES AND REGULATIONS.

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

SECTION XX. EFFECTIVE DATE.

This ordinance shall be in full force and effect from and after its passage and publication according to law. All requirements shall take effect immediately, except for licensing solid waste collection. Solid Waste collection licenses will be required as of July 1, 1990.

passed and approved this 6 day of Jehran, 1990, by the Chisago County Board of Commissioners.

Phil Leier, Chairma

Attest:

Dorothy person County coordinator Clerk, County Board

Appendix K: Kanabec County Solid Waste Ordinance

APPENDIX K

KANABEC COUNTY SOLID WASTE ORDINANCE

An ordinance authorizing and providing for County Solid Waste Management, establishing powers and duties in connection therewith, establishing standards and requirements for solid waste management operations within the County of Kanabec, requiring a license for establishment and use of a solid waste management operation; embodying minimum standards and requirements established 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, Chapters 115, 115A, 116 and 400.

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

SECTION I. DEFINITIONS. Unless specifically altered, terms and abbreviations used 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 herein which are not specifically defined by law shall be construed 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 participate 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, or to interfere unreasonably with the enjoyment of life or 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 or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent the County of Kanabec 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" means material approved by the Agency 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 compactibility.
- Subd. 9. "Demolition Debris" means solid waste resulting from the demolition of buildings, roads and other man-made structures including concrete, brick, bituminous concrete, untreated wood, masonry, glass, trees, rock and plastic building parts. Demolition debris does not include asbestos wastes.
- Subd. 10. "Demolition Debris Land Disposal Facility" means a site used only to dispose of demolition debris.
- Subd. 11. "Garbage" means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.
- Subd. 12. "Hazardous Waste" means any refuse or discarded material or combinations of refuse or discarded materials in solid, semisolid, liquid, or gaseous form which cannot be handled by routine waste management techniques because they pose a substantial present or potential hazard to human health or other living organisms because of their chemical, biological, or physical properties. Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. Hazardous waste does not include- sewage sludge and source material, special nuclear material or by-product material as defined by the Atomic Energy Act of 1954, as amended

- Subd. 13. "Incineration" means the process by which solid wastes are burned for the purpose of volume or weight reduction or energy recovery in facilities designed for such use.
- Subd. 14. "Industrial Waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.
- Subd. 15. "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 or system, open burning site, incineration, composting, recovery of recyclable materials, reduction, shredding and compression.
- 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. "Major Appliances" means clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, and freezers.
- Subd. 19. "Mixed Municipal Solid Waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate, but does not include auto hulks, street sweepings, ash construction debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams.
- Subd. 20. "Operation" means any site, facility, or activity relating to solid waste management.
- Subd. 21. "Person" means any human being, any municipality or other governmental or political subdivision or other public agency, any public or private corporation, any partnership, firm, association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or any other legal entity.

- Subd. 22. "Putrescible Material" means solid waste which is capable of being rotten, or which may reach a foul state of decay or decomposition.
- Subd. 23. "Recyclable Materials" means materials that are separated from mixed municipal solid waste, by the generator for the purpose of recycling, including paper, plastic, glass, metals, automobile oil and batteries.
- Subd. 24. "Recycling Facility" means a Facility where recyclable materials are purchased from generators or collectors, processed for marketing or loaded into vehicles for transport to market.
- Subd. 25. "Refuse" means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator residue, market and industrial solid wastes and municipal treatment wastes which do not contain free moisture.
- Subd. 26. "Rubbish" means nonputrescible solid wastes, including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, wood, glass, bedding, crockery or litter of any kind.
- Subd. 27. "Sanitary Landfill" means a land disposal site, permitted by the Agency, 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. 28. "Shore and" means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark of 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 a river or stream, whichever is greater.
- Subd. 29. "Solid Waste" means garbage, refuse, 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, boulders, rock; sewage sludge, solid or dissolved material in domestic sewage or other common pollutants in water resources, 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 by-product material as defined by-the Atomic Energy Act of 1954, as amended.

- Subd. 30. "Solid Waste Management Facility" means a sanitary landfill, or an intermediate disposal facility.
- Subd. 31. "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. 32. "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. 33. "Water Pollution" means a) the discharge of any pollutant into any waters of the State or the contamination of 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, fish or other aquatic life; or b) the man-made or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the State.
- Subd. 34. "Waters of the State" means 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.
- Subd. 35. "Yard Wastes" means the garden wastes, leaves, lawn cuttings, weeds and prunings generated at residential or commercial properties.

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 an operation for which a license has been granted by the County Board, unless otherwise provided by this ordinance.
- 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 as 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 Solid Waste Officer shall evaluate the application and shall give his recommendations 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 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 shall be contingent upon the applicant furnishing to the County a bond in an amount to be set by resolution, 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, the County is required to expend any monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, the bond holder and the sureties on its bond shall reimburse the County for any and all expenses incurred by the County to remedy failure of the licensee to comply with the terms of this ordinance, and the bond holder and its sureties shall indemnify and save the County harmless from all losses, costs, and charges that may occur to the bond holder or its sureties because of any default of the licensee under the terms of his license to operate 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 amounts to be set by the County Board; general liability including, but not limited to, bodily injury, property damage, motor vehicle, loading and unloading and 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 be 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 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 and 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 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 establishes the higher standards for the promotion of public health, safety, and general welfare shall prevail.
- Subd. 10. Every license issued for a solid waste operation shall be recorded in the office of the County Recorder.
- Subd. 11 Nothing in this ordinance shall be construed to require a permit for the beneficial use of Lime By Products from a water supply Treatment Plant.

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 operations 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 proceedings be initiated against a person or group of persona to compel compliance with the provisions of this ordinance or to terminate or control an operation not in compliance with this ordinance. The County Solid Waste Officer does have citation authority.
- (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 shall be 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 waste 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 or 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 of 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, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.

- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

All incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency. Additionally, the following requirements shall apply to all incinerators of any size which process solid waste.

- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:
- (a) All of the same criteria for incinerator construction, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (b) Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
- (a) An operating schedule and a schedule of fees to be, levied at the incinerator.
- (b) A notarized affidavit stating that the applicable local governments have been given at least thirty (30 days written 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 process and dispose of all solid waste.
- (e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (f) Such additional data and information as may be required by the Solid Waste Officer.
- Subd. 4. During normal operation, the facility shall comply with the following requirements:

- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters of the State shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

SECTION VIII. INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

Subd. 1. No Intermediate Solid Waste Disposal Facility 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 used 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 the 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.

SECTION IX. RECYCLING FACILITIES

- Subd. 1. No Recycling Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefore a license from the County Board. 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 used in the immediate vicinity of the operation.
- (c) Complete construction plans and specifications and proposed operating procedures for the operation
 - (d) Recyclable Materials to be accepted at the Facility.

- (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. A Recycling Facility shall be constructed, operated and maintained in compliance with the following requirements.
- (a) A sign shall be posted on the premises indicating the name of the operation and the days and hours during which it is open to the public.
- (b) Sanitary facilities and shelter adequate for employees shall be provided on the premises.
- (c) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of Recyclable Materials processed by the operation.
- (d) The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a nuisance or unsanitary condition.
- (e) The premise entrances and exits shall be maintained in a clean, neat and orderly manner at all times.

SECTION X. LICENSE FEES.

Approval by the County Board of an application for license for a solid waste management facility shall be contingent upon the payment to the County of a license fee in the amount established by 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 license renewal. Non-payment of the annual solid waste collector's or transporter's fee shall be ground for denial of license renewal. Fees shall be paid to the County Treasurer prior to issuance of licenses.

SECTION XI. 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 one year from the effective date of this ordinance or five years prior to termination of the operation, whichever occurs sooner.

The purpose of the escrow account is to set aside adequate funds to continue the sampling required by the County or the Agency for a period requiring by the Agency. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payments 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 licensee shall perform all long term monitoring required by the County or the Agency following termination or abandonment of all solid waste operations.
- 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 Facility	one year
Transfer Station	one year
Incineration Facility	one year
Collection/transportation service	90 days
Recycling Facility	90 days

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.

SECTION XII. VARIANCES

Upon written application by the applicant or operator, the County Board may grant variances 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 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 XIII. 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 to the County Board within a sixty (60) day period following the effective date of this ordinance.

SECTION XIV. 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 or facilities.

SECTION XV. 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 judgement shall not affect any other provision of this ordinance not specifically included in said judgement.

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 judgement shall not affect the application of said provision to any other structure, site, facility, or operation not specifically included said judgement.

SECTION XVI. 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 XVII. 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 XVIII. 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. In addition to other remedies this ordinance may be enforced by any civil action in District Court to prevent, restrain, correct or abate violations or otherwise compel compliance.

SECTION XIX. OTHER ORDINANCES AND REGULATIONS.

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

SECTION XX. EFFECTIVE DATE.

This ordinance shall be in full force and effect from and after its passage and publication according to law. All requirements shall take effect immediately, except for licensing solid waste collection. Solid Waste Collection Licenses will be required 90 day after the effective date of this ordinance.

Passed and approved this 22 day of Lugiby the Kanabec County Board of Commissioners.

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Appendix L: Mille Lacs County Solid Waste Ordinance

APPENDIX L

MILLE LACS COUNTY SOLID WASTE ORDINANCE 90/03/1

An ordinance authorizing and providing for County Solid Waste Management, establishing powers and duties in connection therewith, establishing standards and requirements for solid waste management operations within the County of Mi lie Lacs, requiring a license for establishment and use of a solid waste management operation; embodying minimum standards and requirements established 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, Chapters 115, 115A, 116 and 400.

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

SECTION I. DEFINITIONS.

Unless specifically altered, terms and abbreviations used 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 herein which are not specifically defined by law shall be construed 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, or to interfere unreasonably with the enjoyment of life or 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 sol id waste.
- Subd. 6. "County" means any department or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent the County of Mille Lacs in the enforcement or administration of this ordinance.
- Subd. 7. "Composting" means the controlled biological decomposition of selected sol id waste in a manner resulting in an innocuous final product.
- Subd. 8. "Cover Material" means material approved by the Agency 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 compactibility.
- Subd. 9. "Demolition Debris" means solid waste resulting from the demolition of buildings, roads and other man-made structures including concrete, brick, bituminous concrete, untreated wood, masonry, glass, trees, rock and plastic building parts. Demolition debris does not include asbestos wastes.
- Subd. 10. "Demolition Debris Land Disposal Facility" means a site used only to dispose of demolition debris.
- Subd. 11. "Garbage" means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.
- Subd. 12. "Hazardous Waste" means any refuse or discarded material or combinations of refuse or discarded materials in solid, semisolid, liquid, or gaseous form which cannot be handled by routine waste management techniques because they pose a substantial present or potential hazard to human health or other living organisms because of their chemical, biological, or physical properties. Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. Hazardous waste does not include sewage sludge and source material, special nuclear material or by-product material as defined by the Atomic Energy Act of 1954, as amended

- Subd. 13. "Incineration" means the process by which solid wastes are burned for the purpose of volume or weight reduction or energy recovery in facilities designed for such use.
- Subd. 14. "Industrial Waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.
- Subd. 15. "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 or system, open burning site, incineration, composting, recovery of recyclable materials, reduction, shredding and compression.
- 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. "Major Appliances" means clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, and freezers.
- Subd. 19. "Mixed Municipal Solid Waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate, but does not include auto hulks, street sweepings, ash construction debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams.
- Subd. 20. "Operation" means any site, facility, or activity relating to solid waste management.
- Subd. 21. "Person" means any human being, any municipality or other governmental or political subdivision or other public agency, any public or private corporation, any partnership, firm, association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or any other legal entity.
- Subd. 22. "Putrescible Material" means solid waste which is capable of being rotten, or which may reach a foul state of decay or decomposition.

- Subd. 23. "Recyclable Materials" means materials that are separated from mixed municipal solid waste, by the generator for the purpose of recycling, including paper, plastic, glass, metals, automobile oil and batteries.
- Subd. 24. "Recycling Facility" means a Facility where recyclable materials are purchased from generators or collectors, processed for marketing or loaded into vehicles for transport to market.
- Subd. 25. "Refuse" means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator ash, incinerator residue, market and industrial solid wastes, and municipal treatment wastes which do not contain free moisture.
- Subd. 26. "Rubbish" means nonputrescible solid wastes, including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, wood, glass, bedding, crockery or litter of any kind.
- Subd. 27. "Sanitary Landfill" means a land disposal site, permitted by the Agency, 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. 28. "Shoreland" means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark of 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 a river or stream, whichever is greater.
- Subd. 29. "Solid Waste" means garbage, refuse, 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, boulders, rock; sewage sludge, solid or dissolved material in domestic sewage or other common pollutants in water resources, 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 by-product material as defined by the Atomic Energy Act of 1954, as amended.

- Subd. 30. "Solid Waste Management Facility" means a sanitary landfill, or an intermediate disposal facility.
- Subd. 31. "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. 32. "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. 33. Water Pollution" means a) the discharge of any pollutant into any waters of the State or the contamination of 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, fish or other aquatic life; or b) the man-made or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the State.
- Subd. 34. "Waters of the State" means 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.
- Subd. 35. "Yard Wastes" means the garden wastes, leaves, lawn cuttings, weeds and prunings generated at residential or commercial properties.

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 an operation for which a license has been granted by the County Board, unless otherwise provided by this ordinance.
- 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 as 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 Solid Waste Officer shall evaluate the application and shall give his recommendations 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 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 shall be contingent upon the applicant furnishing to the County a bond in an amount to be set by resolution, 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, the County is required to expend any monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, the bond holder and the sureties on its bond shall reimburse the County for any and all expenses incurred by the County to remedy failure of the licensee to comply with the terms of this ordinance, and the bond holder and its sureties shall indemnify and save the County harmless from all losses, costs, and charges that may occur to the bond holder or its sureties because of any default of the licensee under the terms of his license to operate 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 amounts to be set by the County Board; general liability including, but not

limited to, bodily injury, property damage, motor vehicle, loading and unloading and 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 be 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 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 and 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 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 establishes the higher standards for the promotion of public health, safety, and general welfare shall prevail.
- Subd. 10. Every license issued for a solid waste operation shall be recorded in the office of the County Recorder.
- Subd. 11 Nothing in this ordinance shall be construed to require a permit for the beneficial use of Lime By Products from a water supply Treatment Plant.

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 operations 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 proceedings 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. The County Solid Waste Officer does have citation authority.
- (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.
- (f) 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 shall be 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 waste shall not be stored on public or -private property for more than two (2) weeks without the written approval of the Solid Waste Officer. Noniputrescible 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 or 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 of 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 a 11 solid waste.

SECTION VI. SOLID WASTE LAND DISPOSAL FACILITIES.

Subd. 1. Land disposal facilities, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.

- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

All incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency.

Additionally, the following requirements shall apply to all incinerators of any size which process solid waste.

- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:
- (a) All of the same criteria for incinerator construction, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (b) Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
- (a) An operating schedule and a schedule of fees to be levied at the incinerator.
- (b) A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days written 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 process and dispose of all so I id waste.
- (e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (f) Such additional data and information as may be required by the Solid Waste Officer.
- Subd. 4. During normal operation, the facility shall comply with the following requirements:

- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters of the State shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

SECTION VIII. INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

- Subd. 1. No Intermediate Solid Waste Disposal Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefor 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 used 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 the 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.

SECTION IX. RECYCLING FACILITIES

- Subd. 1. No Recycling Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefore a license from the County Board. 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 used in the immediate vicinity of the operation.
- (c) Complete construction plans and specifications and proposed operating procedures for the operation.
 - (d) Recyclable Materials to be accepted at the Facility.

- (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. A Recycling Facility shall be constructed, operated and maintained in compliance with the following requirements.
- (a) A sign shall be posted on the premises indicating the name of the operation and the days and hours during which it is open to the public.
- (b) Sanitary facilities and shelter adequate for employees shall be provided on the premises.
- (c) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of Recyclable Materials processed by the operation.
- (d) The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a nuisance or unsanitary condition.
- (e) The premise entrances and exits shall be maintained in a clean, neat and orderly manner at all times.

SECTION X. LICENSE FEES.

Approval by the County Board of an application for license for a solid waste management facility shall be contingent upon the payment to the County of a license fee in the amount established by 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 license renewal. Non-payment of the annual solid waste collector's or transporter's fee shall be ground for denial of license renewal. Fees shall be paid to the County Treasurer prior to issuance of licenses.

SECTION XI. 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 one year from the effective date of this ordinance or five years prior to termination of the operation, whichever occurs sooner.

The purpose of the escrow account is to set aside adequate funds to continue the sampling required by the County or the Agency for a period requiring by the Agency. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payments 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 licensee shall perform all long term monitoring required by the County or the Agency following termination or abandonment of all solid waste operations.
- 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 Facility	one year
Transfer Station	one year
Incineration Facility	one year
Collection/transportation service	90 days
Recycling Facility	90 days

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.

SECTION XII. VARIANCES

Upon written application by the applicant or operator, the County Board may grant variances 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 impossibility complied due to/technological 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 XIII. 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 to the County Board within a sixty (60) day period following the effective date of this ordinance.

SECTION XIV. 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 or facilities.

SECTION XV. 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 judgement shall not affect any other provision of this ordinance not specifically included in said judgement.
- 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 judgement shall not affect the

application of said provision to any other structure, site, facility, or operation not specifically included said judgement.

SECTION XVI. 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 XVII. NO CONSENT.

Nothing contained in this ordinance shall be deemed to be a 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.

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

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 judgement shall not affect the application of said provision to any other structure, site, facility, or operation not specifically included said judgement.

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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 XVII. 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 XVIII. 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. In addition to other remedies this ordinance may be enforced by any civil action in District Court to prevent, restrain, correct or abate violations or otherwise compel compliance.

SECTION XIX. OTHER ORDINANCES AND REGULATIONS.

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

SECTION XX. EFFECTIVE DATE.

This ordinance shall be in full force and effect from and after its passage and publication according to law. All requirements shall take effect immediately, except for licensing solid waste collection. Solid Waste Collection Licenses will be required 90 day after the effective date of this ordinance.

Passed and approved this 19 day of _ by the Mille Lacs County Board of Commissioners. COUNTY RECORDER MILE LACE COUNTY, MIN Clerk, County Board AN VYAR OF TO MOUTH ON This instrument prepared and drafted by Stephen K. Knight, Director, East Central Solid Waste Commission. it to writes ad their consented but "to reaccurrency ad

Appendix M: Pine County Solid Waste Ordinance

APPENDIX M PINE COUNTY SOLID WASTE ORDINANCE

An ordinance authorizing and providing for County Solid Waste Management, establishing powers and duties in connection therewith, establishing standards and requirements for solid waste management operations within the County of Pine, requiring a license for establishment and use of a solid waste management operation,; embodying minimum standards and requirements established 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, Chapters 115, 115A, 116 and 400.

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

<u>SECTION I. DEFINITIONS</u>. Unless specifically altered, terms and abbreviations used in this ordinance shall be interpreted in a manner consistent with Minnesota ^Statutes, Chapters 115, USA, 116 and 400 and rules of the Agency, which have been or hereafter may be adopted under those provisions. Terms and abbreviations used herein which are not specifically defined by law shall be construed 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, or to interfere unreasonably with the enjoyment of life or 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 or representative of the County who is authorized by this ordinance or otherwise by the County Board to represent the County of Pine 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" means material approved by the Agency 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 compactibility.
- Subd. 9. "Demolition Debris" means solid waste resulting from the demolition of buildings, roads and other man-made structures including concrete, brick, bituminous concrete, untreated wood, masonry, glass, trees, rock and plastic building parts. Demolition debris does not include asbestos wastes.
- Subd. 10. "Demolition Debris Land Disposal Facility" means a site used only to dispose of demolition debris.
- Subc. 11. "Garbage" means discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.
- Subd. 12. "Hazardous Waste" means any refuse or discarded material or combinations of refuse or discarded materials in solid, semi-solid, liquid, or gaseous form which cannot be handled by routine waste management techniques because they pose a substantial present or potential hazard to human health or other living organisms because of their chemical, biological, or physical properties. Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. Hazardous waste does not include sewage sludge and source material, special nuclear material or by-product material as defined by the Atomic Energy Act of 1954, as amended
- Subd. 13. "Incineration" means the process by which solid wastes are burned for the purpose of volume or weight reduction or energy recovery in facilities designed for such use.
- Subd. 14. "Industrial Waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.
- Subd. 15. "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 or system, open burning site, incineration, composting, recovery of recyclable materials, reduction, shredding and compression.
- 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. "Major Appliances" means clothes washers, dryers, dishwashers, garbage disposals, trash compactors, conventional ovens, ranges and stoves, air conditioners, refrigerators, and freezers.

- Subd. 19. "Mixed Municipal Solid Waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities which is generated and collected in aggregate, but does not include auto hulks, street sweepings, ash construction debris, mining waste sludge, tree and agricultural wastes, tires, lead acid batteries, used oil, and other materials collected, processed, and disposed of as separate waste streams.
- Subd. 20. "Operation" means any site, facility, or activity relating to solid waste management.
- Subd. 21. "Person" means any human being, any municipality or other governmental or political subdivision or other public agency, any public or private corporation, any partnership, firm, association, or other organization, any receiver, trustee, assignee, agent, or other legal representative of any of the foregoing, or any other legal entity.
- Subd. 22. "Putrescible Material" means solid waste which is capable of being rotten, or which may reach a foul state of decay or decomposition.
- Subd. 23. "Recyclable Materials" means materials that are separated from mixed municipal solid waste, by the generator for the purpose of recycling, including paper, plastic, glass, metals, automobile oil and batteries.
- Subd. 24. "Recycling Facility" means a Facility where recyclable materials are purchased from generators or collectors, processed for marketing or loaded into vehicles for transport to market.
- Subd. 25. "Refuse" means putrescible and nonputrescible solid wastes, including garbage, rubbish, ashes, incinerator ash, incinerator residue, market and industrial solid wastes, and municipal treatment wastes which do not contain free moisture.
- Subd. 26. "Rubbish" means nonputrescible solid wastes, including, but not limited to, ashes, consisting of both combustible and noncombustible wastes, such as paper, cardboard, tin cans, wood, glass, bedding, crockery or litter of any kind.
- Subd. 27. "Sanitary Landfill" means a land disposal site, permitted by the Agency, 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. 28. "Shoreland" means land located within the following distances from public water: a) 1,000 feet from the ordinary high water mark of 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 a river or stream, whichever is greater.

- Subd. 29. "Solid Waste" means garbage, refuse, 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, boulders, rock; sewage sludge, solid or dissolved material in domestic sewage or other common pollutants in water resources, 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 by-product material as defined by the Atomic Energy Act of 1954, as amended.
- Subd. 30. "Solid Waste Management Facility" means a sanitary landfill, or an intermediate disposal facility.
- Subd. 31. "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. 32. "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. 33. "Water Pollution" means a) the discharge of any pollutant into any waters of the State or the contamination of 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, fish or other aquatic life; or b) the man-made or man-induced alteration of the chemical, physical, biological, or radiological integrity of waters of the State.
- Subd. 34. "Waters of the State" means 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.
- Subd. 35. "Yard Wastes" means the garden wastes, leaves, lawn cuttings, weeds and prunings generated at residential or commercial properties.

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 ar an operation for which a license has been granted by the County Board, unless otherwise provided by this ordinance.
- 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 as 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 Solid Waste Officer shall evaluate the application and shall give his recommendations 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 therefor by the County Board. A denial shall be without prejudice 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 shall be contingent upon the applicant furnishing to the County a bond in an amount to be set by resolution, 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, the County is required to expend any monies or expend any labor or material to restore the operation to a condition in compliance with this ordinance, the bond holder and the sureties on its bond shall reimburse the County for any and all expenses incurred by the County to remedy failure of the licensee to comply with the terms of this ordinance, and the bond holder and its sureties shall indemnify and save the County harmless from all losses, costs, and charges that may occur to the bond holder or its sureties because of any default of the licensee under the terms of his license to operate 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 therefor, the following types of insurance issued to the licensee by insurers duly licensed within the State of Minnesota and in amounts to be set by the" County Board; general liability including, but not limited to, bodily injury, property damage, motor vehicle, loading and unloading and 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 be 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 operation has been conducted in violation of the provisions of the license, this ordinance, Stare 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 and 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 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 establishes the higher standards for the promotion of public health, safety, and general welfare shall prevail.
- Subd. 10. Every license issued for a solid waste operation shall be recorded in the office of the County Recorder.
- Subd. 11 Nothing in this ordinance shall be construed to require a permit for the beneficial use of Lime By Products from a water supply Treatment Plant..

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 operations 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 proceedings 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 incompliance with this ordinance. The County Solid Waste Officer does have citation authority.
- (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 shall be 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 waste 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 or 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 nor issue a license until the applicant complies with all of 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, including, but not limited to, sanitary landfills, modified landfills and demolition landfills, 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 from the County Board in accordance with Section II.

- Subd. 2. An application for a county license shall include, but not be 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. INCINERATION AND ENERGY RECOVERY.

All incinerators having a capacity greater than 500 pounds per hour shall meet the requirements of State rules administered by the Agency. Additionally, the following requirements shall apply to all incinerators of any size which process solid or hazardous waste.

- Subd. 1. No person shall install or operate an incinerator without first obtaining a license from the County Board.
- Subd. 2. The applicant shall meet all requirements for obtaining a license as specified in Section II of this ordinance. Furthermore, the County Board shall not issue a license until the applicant and facility comply with the following requirements:
- (a) All of the same criteria for incinerator construction, operation and maintenance contained in State rules administered by the Agency which presently apply only to incinerators with capacities greater than 500 pounds per hour.

- (b). Upon completion of the facility and prior to initial operation, the County Solid Waste Officer shall be notified to allow personnel of the County to inspect the facility both prior to and during the performance tests.
- Subd. 3. The application for a county license shall include, but not be limited to, the following:
 - (a) An operating schedule and a. schedule of fees to be levied at the incinerator.
- (b) A notarized affidavit stating that the applicable local governments have been given at least thirty (30) days written 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 process and dispose of all solid waste.
- (e) All of the same information required for review by the State rules administered by the Agency which presently apply only to incinerators with capacities greater than 6,000 pounds per hour.
- (f) Such additional data and information as may be required by the Solid Waste Officer.
- Subd. 4. During normal operation, the facility' shall comply with the following requirements:
- (a) Permanent records shall be maintained for County inspection as to the quantity of material incinerated, the total quantity of resulting residue and total hours of plant operation.
- (b) Any discharges to the air, or to surface or ground waters of the State shall meet all applicable State rules for air and water quality of effluent standards now or hereafter adopted.
- (c) All unloading and processing of solid wastes at the facility shall be conducted in such a manner as to prevent or eliminate odors and litter outside the facility.

SECTION VIII: INTERMEDIATE SOLID WASTE DISPOSAL FACILITIES.

Subd. 1. No Intermediate Solid Waste Disposal Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefor 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 used 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 the 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.

SECTION IX. RECYCLING FACILITIES

- Subd. 1. No Recycling Facility shall be constructed, established, maintained or operated unless the operator or owner thereof has first been issued therefor a license from the County Board. 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 used in the immediate vicinity of the operation.
- (c) Complete construction plans and specifications and proposed operating procedures for the operation.
 - (d) Recyclable Materials to be accepted at the Facility.
- (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. A Recycling Facility shall be constructed, operated and "maintained in compliance with the following requirements.
- (a) A sign shall be posted on the premises indicating the name of the operation and the days and hours during which it is open to the public.
- (b) Sanitary facilities and shelter adequate for employees shall be provided on the premises.
- (c) Records in a form acceptable to the Solid Waste Officer shall be maintained indicating the type and quantity of Recyclable Materials processed by the operation.
- (d) The operation shall be located, equipped, operated and maintained in a manner which prevents the creation of a. nuisance or unsanitary condition.
- (e) The premise entrances and exits shall be maintained in a clean, neat and orderly manner at all times.

SECTION X. LICENSE FEES.

Approval by the County Board of an application for license for a solid waste management facility shall be contingent upon the payment to the County of a license fee in the amount established by 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 license renewal. Non-payment of the annual solid waste collector's or transporter's fee shall be ground for denial of license renewal. Fees shall be paid to the County Treasurer prior to issuance of licenses.

SECTION XI. TERMINATION OF SOLID WASTE OPERATIONS

- Subd. I. 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. I 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 one year from the effective

date of this ordinance or five years prior to termination of the operation, whichever occurs sooner.

The purpose of the escrow account is to set aside adequate funds to continue the sampling required by the County or the Agency for a period requiring by the Agency. The County Board shall specify by resolution the amount of money to be deposited in the account and the terms for payments 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 licensee shall perform all long term monitoring required by the County or the Agency following termination or abandonment of all solid waste operations.

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 Facility	one year
Transfer Station	one year
Incineration Facility	one year
Collection/transportation service	90 days
Recycling Facility	90 days

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.

SECTION XII. VARIANCES

Upon written application by the applicant or operator, the County Board may grant variances 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 XIII. NCNCONFORMING 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 to the County Board within a sixty (60) day period following the effective date of this ordinance.

SECTION XIV. 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 or facilities.

SECTION XV. 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 judgement shall not affect any other provision of this ordinance not specifically included in said judgement.
- 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 judgement shall not affect the application of said provision to any other structure, site, facility, or operation not specifically included said judgement.

SECTION XVI. 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 XVII. 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 XVIII. 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 therefor 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. In addition to other remedies this ordinance may be enforced by any civil action in District Court to prevent, restrain, correct or abate violations or otherwise compel compliance.

SECTION XIX. OTHER ORDINANCES AND REGULATIONS.

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

SECTION XX. EFFECTIVE DATE.

This ordinance shall be in full force and effect from and after its passage and publication according to law. All requirements shall take effect immediately, except for licensing solid waste collection. Solid Waste Collection Licenses will be required 90 day after the effective date of this ordinance.

Contract the Contract
Passed and approved this /35 day of Novem by the Pine County Board of Commissioners. Glenn Danelski, Chairman County Board Notice of Intention Published June 22 & 29, 1990 Public Hearing Held July 17, 1990 Adopted by County Board November 13, 1990 Publication of Ordinance November 29, 1990 Filed with County Recorder January 28, 1991 Effective Date January 29, 1991 This Instrument was Drafted By: East Central Solid Waste Commission Mora, MN OFFICE OF COUNTY RECORDER State of Minnesota ss County of Fine I hereby certily that the within instrument waz flore in this effect for record January 28 _____19 _91 14 County Fleconder

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Appendix N: Chisago County Application for Solid Waste and Recycling Collection and Transportation License

APPENDIX N

Chisago County Application for

SOLID WASTE AND RECYCLING COLLECTION AND TRANSPORTATION LICENSE

ENVIRONMENTAL SERVICES OFFICE CHISAGO COUNTY GOVERNMENT CENTER CENTER CITY, MINNESOTA 55012

Date	20	
Application		
Name		Phone No
Address		
Represented		
By		Title
Address		
State of Minnesota covering loading and unloading constant \$200,000 for injury or deat amount of at least \$500,000.	ng public liability is impleted operations h of any one person 0 for injuries or dea mount of at least \$	cates of insurance issued by insurers duly licensed within the insurance, including general liability, automobile liability, liability, bodily injury liability in an amount of at least in any one occurrence and aggregate bodily liability in an arth arising out of any occurrence. Property damage liability 550,000 for any one occurrence and in the unencumbered
NUMBERS, TO BE U	USED FOR SO	LES, INCLUDING LICENSE PLATE LID WASTE AND RECYCLING IION (use back of this sheet if necessary):
The fees for licenses a	re as follows:	27.1
Basic License		\$250
Garbage truck		of garbage trucks X \$25 ea. =
Recycling truck		of recycling trucks X \$5 ea. =
Total Fee for licensing	5	
This license shall be revoke of the Chisago County Solid	ed or refused by the	impliance with the Chisago County Solid Waste Ordinance. County Commissioners for cause. Any activities in violation or refusal on the part of a licensee to abandon such activities new a license and forfeiture of bond.
Signed by:		
Haul	er/Recycler	Chisago County Solid Waste Officer

Appendix O: Isanti County Application for Solid Waste and Recycling Collection and Transportation License

<u>APPENDIX O- APPLICATION FOR SOLID WASTE</u> COLLECTION & TRANSPORTATION LICENSE, ISANTI COUNTY, MINNESOTA.

	RESS:	
TEL	EPHONE:	
I.	SPECIFICAT COLLECTIO	TIONS OF ALL VEHICLES, INCLUDING LICENSE PLATE NUMBERS, TO BE USED FOR SOLID WASTEDN AND TRANSPORTATION.
П.	CHARGES 3(a) requires	FOR COLLECTION OF SOLID WASTE (i.e., monthly rate, can rate, bag rate, etc.) (Note: M.S. 115A.93 Substituted that charges for collection of mixed municipal solid waste vary with the volume or weight of the waste collection.)
=		
ш.	THE APPLI THE COUN BELOW:	ICANT SHALL PROVIDE THE COUNTY WITH ORIGINAL CERTIFICATES OF INSURANCE, ON WHICH TY HAS BEEN NAMED AS AN ADDITIONAL INSURED, FOR THE REQUIRED COVERAGE AS LISTED
	i.	COMMERCIAL GENERAL LIABILITY INSURANCE WITH MINIMUM LIMITS OF \$1,000,000.00 AGGREGATE, \$1,000,000.00 PRODUCTS AND COMPLETED OPERATIONS AGGREGATE \$1,000,000.00 PERSONAL INJURY AND ADVERTISING INJURY, \$1,000,000.00 EACH OCCURRENCE \$100,000.00 FIRE DAMAGE LIMIT AND \$5,000.00 MEDICAL EXPENSE.
	2,	COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE INCLUDING OWNED, NON-OWNEI AND HIRED AUTOMOBILES WITH MINIMUM LIMITS OF \$1,000,000.00 EACH PERSON/\$1,000,000.00 EACH OCCURRENCE FOR BODILY INJURY, \$1,000,000.00 EACH OCCURRENCE FOR PROPERTY DAMAGE OR A COMBINED SINGLE LIMIT OF \$1,000,000.00.
	3.	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE AS A REQUIRED BY STATE AND FEDERAL LAWS, WITH MINIMUM LIMITS OF \$100,000.00 EACH ACCIDENT FOI BODILY INJURY, \$100,000.00 EACH EMPLOYEE FOR BODILY INJURY BY DISEASE AND \$500,000.00 POLICY LIMIT FOR BODILY INJURY BY DISEASE.
	4.	ENVIRONMENTAL IMPAIRMENT LIABILITY WITH MINIMUM LIMITS OF \$1,000,000.00 EACH LOSS AND \$2,000,000.00 AGGREGATE.
	4.	LOGS ALV \$2,000,000 ACCEDENTS.
IV.	THE A	APPLICANT SHALL SUBMIT A DESCRIPTION OF THE ROUTES) TO BE FOLLOWED BY ALL SOLID TE COLLECTION AND TRANSPORTATION VEHICLES BETWEEN THE AREA OF COLLECTION AND DWASTE DISPOSAL OPERATION.

PLEASE MAKE CHECK FOR LICENSE FEE PAYABLE TO ISANTI COUNTY TREASURER.

RETURN TO:

ISANTI COUNTY SOLID WASTE OFFICER C/O ISANTI COUNTY ZONING OFFICE ISANTI COUNTY COURTHOUSE 555 – 18TH AVENUE SOUTHWEST CAMBRIDGE, MINNESOTA 55008 Appendix P: Kanabec County Application for Solid Waste and Recycling Collection and Transportation License

APPENDIX P KANABEC COUNTY APPLICATION FOR SOLID WASTE COLLECTION AND TRANSPORTATION LICENSE

NAI	ME:	DATE:
ADI	ORE	SSS:
		TELEPHONE:
I.		SPECIFICATIONS OF ALL VEHICLES, INCLUDING LICENSE PLATE NUMBERS, TO BE USED FOR SOLID WASTE COLLECTION AND TRANSPORTATION. (ATTACH ADDITIONAL SHEETS AS NECESSARY.
П.		CHARGES FOR COLLECTION OF SOLID WASTE (i.e., monthly rate, can rate, bag rate, etc.) (Note: M.S 115A.93 Subd. 3(a) requires that charges for collection of mixed municipal solid waste vary with the volume or weight of the waste collection.)
ш.		THE APPLICANT SHALL FURNISH TO THE COUNTY CERTIFICATES OF INSURANCE ISSUED BY INSURERS DULY LICENSED WITHIN THE STATE OF MINNESOTA FOR THE FOLLOWING TYPES OF INSURANCE:
	1.	COMPREHENSIVE GENERAL LIABILITY INSURANCE COVERING BODILY INJURY AND PROPERTY DAMAGE (COMBINED LIMIT) IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 PER OCCURRENCE, AND PERSONAL INJURY IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 AGGREGATE.
	2.	COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE INCLUDING OWNED, NON-OWNED AND HIRED AUTOMOBILES IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 PER OCCURRENCE.
	3.	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE AS REQUIRED BY LAW.
IV.		THE APPLICANT SHALL SUBMIT A DESCRIPTION OF THE ROUTE(S) TO BE FOLLOWED BY ALL SOLID WASTE COLLECTION AND TRANSPORTATION VEHICLES BETWEEN THE ARE OF COLLECTION AND THE SOLID WASTE DISPOSAL OPERATION.
APP	LIC	ANT'S SIGNATURE:
LIC	ENS	SE FEE: \$50.00 PER YEAR
	X	

PLEASE MAKE CHECK FOR LICENSE FEE PAYABLE TO KANABEC COUNTY TREASURER
RETURN TO: KANABEC COUNTY ENVIRONMENTAL SERVICES
18 N. Vine Street Mora, MN 55051

Appendix Q: Mille Lacs County Application for Solid Waste and Recycling Collection and Transportation License

APPLICATION FOR COLLECTION AND TRANSPORTATION OF SOLID WASTE-MILLE LACS COUNTY

	DATE20
1,	NAME OF FIRMADDRESSPHONE
2.	OWNER(S) ADDRESS
	PHONE
3.	TYPE OF VEHICLES TO BE USED, INCLUDING LICENSE PLATE NUMBERS, FOR THE COLLECTION AND TRANSPORTATION OF SOLID WASTE:
4,	CHARGES FOR COLLECTION OF SOLID WASTE: (i.e., monthly rate, can rate, bag rate, etc.) (Note: M.S. 115A.93 Subd. 3(a) requires that charges for collection of mixed municipal solid waste vary with the volume or weight of the waste collection.)
5.	THE APPLICANT SHALL FURNISH TO THE COUNTY THE FOLLOWING INFORMATION AND CERTIFICATES OF INSURANCE ISSUED BY INSURERS DULY LICENSED WITHIN THE STATE OF MINNESOTA.
A.	ATTACHED AS ENCLOSURE $\#1$ IS RESOLUTION FROM TOWNSHIP OR CITY WHICH IS TO BE SERVICED GIVING THEIR APPROVAL.
B.	ATTACHED AS ENCLOSURE #2 IS A MAP OF THE ROUTE(S) TO BE ESTABLISHED.
C.	COMPREHENSIVE GENERAL LIABILITY INSURANCE COVERING BODILY INJURY AND PROPERTY DAMAGE (COMBINED LIMIT) IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 PER OCCURRENCE, AND PERSONAL INJURY IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 PER OCCURRENCE.
\mathbf{D}_{ϵ}	COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE INCLUDING OWNED, NONOWNED AND HIRED AUTOMOBILES IN THE AMOUNT OF \$200,000.00 PER PERSON AND \$600,000.00 PER OCCURRENCE.
E.	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE AS REQUIRED BY LAW.
6.	IF APPLICATION IS APPROVED BY THE COUNTY BOARD, A PERFORMANCE BOND IN THE AMOUNT OF \$3,000.00 WILL BE FILED WITH THE SOLID WASTE OFFICER PRIOR TO THE ISSUANCE OF THE PERMIT.
7.	A FEE OF \$500.00 WILL BE PAID TO THE SOLID WASTE OFFICER PRIOR TO ISSUANCE OF A PERMIT.

THE UNDERSIGNED HEREBY AGREES TO OPERATE IN MILLE LACS COUNTY IN ACCORDANCE WITH THE REGULATIONS GOVERNING CONTRACTORS AS SET FORTH IN THE MILLE LACS COUNTY SOLID WASTE ORDINANCE. IT IS UNDERSTOOD THAT FAILURE TO CONFORM OR ABIDE RENDERS THIS LICENSE NULL AND VOID.

SIGNED BY		-29-2 3197	
NAME	Elizabeth Care	ADDRESS	PAGE 131
COMMENTS O	R RESTRICTIONS:	When I was a second	de a
DISPOSAL HAU	JLERS LIC. NO	, LICENSE MUST BE RENE	WED YEARLY
LICENSE GRAN	TED THISDAY OF	, 20	1 10
= w=1/v	that makes provided		MILLE LACS CO. SOLID
	MAN, MILLE LACS CO. BOAR OMMISSIONERS	D	- National Artifaction
PLEASE MAKE	CHECK FOR LICENSE FEE PA	YABLE TO MILLE LACS COUNTY	TREASURER.
RETURN TO:	COURTHO 635 2 ND ST	ING/ENVIRONMENTAL SERVICES DUSE ANNEX SE MN 56353	1

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Secretaries and and special additional and their

Appendix R: Pine County Application for Solid Waste and Recycling Collection and Transportation License

APPLICATION FOR SOLID WASTE COLLECTION AND TRANSPORTATION LICENSE PINE COUNTY, MINNESOTA

NAME:	DATE	
ADDRESS:		
TELEPHONE:		

- I. SPECIFICATIONS OF ALL VEHICLES, INCLUDING LICENSE PLATE NUMBERS, TO BE USED FOR SOLID WASTE COLLECTION AND TRANSPORTATION.
- II. CHARGES FOR COLLECTION OF SOLID WASTE (I.E., MONTHLY RATE, CAN RATE, BAG RATE, ETC.) (NOTE: M.S. 115A.93 SUBD. 3 (A) REQUIRES THAT CHARGES FOR COLLECTION OF MIXED MUNICIPAL SOLID WASTE VARY WITH THE VOLUME OR WEIGHT OF THE WASTE COLLECTION.)
- III. THE APPLICANT SHALL PROVIDE THE COUNTY WITH ORIGINAL CERTIFICATES OF INSURANCE, ON WHICH THE COUNTY HAS BEEN NAMED AS AN ADDITIONAL INSURED. FOR THE REQUIRED COVERAGE AS LISTED BELOW:
 - COMMERCIAL GENERAL LIABILITY INSURANCE WITH MINIMUM LIMITS OF \$1,000,000.00 AGGREGATE, \$1,000,000.00 PRODUCTS AND COMPLETED OPERATIONS AGGREGATE, \$1,000,000.00 PERSONAL INJURY AND ADVERTISING INJURY, \$1,000,000.00 EACH OCCURRENCE, \$100,000.00 FIRE DAMAGE LIMIT AND \$5,000.00 MEDICAL EXPENSE.
 - COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE INCLUDING OWNED, NON-OWNED AND HIRED AUTOMOBILES WITH MINIMUM LIMITS OF \$1,000,000.00 EACH PERSON/\$1,000,000.00 EACH OCCURRENCE FOR BODILY INJURY, \$1,000,000.00 EACH OCCURRENCE FOR PROPERTY DAMAGE OR A COMBINED SINGLE LIMIT OF \$1,000,000.00.
 - 3. WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE AS REQUIRED BY STATE AND FEDERAL LAWS, WITH MINIMUM LIMITS OF \$100,000.00 EACH ACCIDENT FOR BODILY INJURY, \$100,000.00 EACH EMPLOYEE FOR BODILY INJURY BY DISEASE AND A \$500,000.00 POLICY LIMIT FOR BODILY INJURY BY DISEASE.
- IV. THE APPLICANT SHALL SUBMIT A DESCRIPTION OF THE AREA SERVICED BY THE SOLID WASTE TRANSPORT AND COLLECTION SERVICE, IDENTIFIED BY TOWNSHIP AND/OR CITY.

APPLICANT'S SIGNATURE:	

LICENSE FEE: \$25.00 PER YEAR

PLEASE MAKE CHECK FOR LICENSE FEE PAYABLE TO PINE COUNTY TREASURER

RETURN TO:

PINE COUNTY SOLID WASTE OFFICER
PINE COUNTY ZONING & SOLID WASTE DEPT.
1610 Hwy. 23 North
SANDSTONE, MN 55072

Appendix S: Household Hazardous Waste Program Funding Agreement

APPENDIX S

HOUSEHOLD HAZARDOUS WASTE PROGRAM FUNDING AGREEMENT

This Household Hazardous Waste Program Funding Agreement (Agreement) is between the State of Minnesota, acting through its Minnesota Pollution Control Agency (MPCA) and the East Central Solid Waste Commission (ECSWC).

Recitals

In accordance with Minn Stat. §115A.96, subd. 3 (a), the MPCA may provide Household Hazardous Waste (HHW) management services through an agreement with public entities.

The ECSWC agrees to provide HHW management services within the Regional Program service area defined in the Agreement below.

Agreement

1 Term of Agreement

- 1.1 Effective date: January 1, 2002, or the date the State obtains all required signatures under Minnesota Statutes Section 16C.05, subdivision 2, whichever is later.
- 1.2 Expiration date: December 31, 2006, or until all obligations have been satisfactorily fulfilled, whichever occurs first.

2 Agreement between the Parties

- 2.1 General Agreement. The MPCA agrees to reimburse the ECSWC for expenses directly related to the operation of a HHW Regional Program, subject to the terms and conditions set forth in this Agreement.
- 2.2 Regional HHW Management Program. The ECSWC and the counties listed in this part make up the Regional HHW Management Program (Regional Program). The ECSWC agrees to sponsor the Regional Program by providing HHW public education resources, HHW waste management services and HHW program reimbursement in accordance with the contracts between the ECSWC and each of the following counties: Chisago, Isanti, Kanabec, Mille Lacs and Pine.
- 2.3 Distribution of funds among Regional Program Counties. The terms outlined in the Agreement describe the method used to determine the amount paid to the ECSWC for the purpose of funding HHW activities in the Region as a whole. The ECSWC may allocate the funding provided by the MPCA among the counties eligible to participate in the Regional program in any manner agreeable to the participating counties/organizations in the Regional Program, without regard to the formula used in this Agreement to calculate total regional funding.
- 2.4 Relationship to other Contracts. This Agreement cancels and supersedes the reporting requirements contained in part 4.1.5 of the "Contract Between the MPCA and the ECSWC for the Operation of a Household Hazardous Waste Management Program" (Operational Contract).

- 2. Regional Program Reimbursement Eligibility. The ECSWC shall have a fully executed Operational Contract in place with the MPCA by the end of a State fiscal year, or portion of a year, during which this Agreement between the ECSWC and the MPCA is in force. The ECSWC must have a contract with each county in the region in effect to be eligible for receive reimbursements for each county for each state fiscal year.
- 2.6 Regional Program Operation and Waste Management Stipend. Subject to the eligibility conditions above and the amount appropriated to the MPCA for Statewide HHW program operations, the MPCA agrees to provide a Regional Program Operation and Waste Management Stipend (Stipend) each state fiscal year to the ECSWC to reimburse a portion of the Regional Program's expenses.
- 2.7 Payment amounts not guaranteed. The MPCA may periodically adjust the amount payable to the ECSWC, as outlined in this section, based on the total funds made available for distribution by the MPCA. No payments will be made for expenses that are not included in this Agreement. There is no minimum payment guaranteed by this Agreement.
- 2.8 Base Funding Amount. The Base Funding Amount for each state fiscal year will be determined and communicated to the ECSWC on or before August 31 of each fiscal year. The Base Funding Amount may vary for each state fiscal year based on the amount appropriated to the MCPA for Statewide HHW program operations and the amount used by the MPCA to provide services to the HHW and Special Waste programs. The MPCA may adjust the Base Funding Amount for any state fiscal year at any time that the amount appropriated to the MPCA for Statewide HHW program operations is changed.
- Supplemental Funding Amount. The MPCA will allocate uncommitted appropriations
 remaining after settlement of MPCA expenses for each state fiscal year to Supplemental
 Stipends within 60 days of the end of each state fiscal year, on or before August 31.
- 2.10 Stipend Amount. The MPCA will determine the Stipend Amount by allocating the Base Funding Amount as follows:

Regional Program Operation and Waste Management Stipend Amount per Year = ((Base Funding Amount x ½) / 80) x 5 (number of counties in Regional Program)

[(Base Funding Amount x ½) x

(Total Participants delivering waste to ECSWC Regional Program / Total Participants delivering Waste to all Regional Programs)]

- 2.11 Determination of Total Participation. Participation will be determined by the State's Authorized Representative and will be based on the certified participation reports submitted in accordance with Attachment A of this Agreement.
- 2.12 Supplemental Stipend Amounts. The MPCA will determine Supplemental Stipend Amounts by allocating the Supplemental Funding Amount as follows:

Supplemental Regional Program Operation and Waste Management Stipend Amount per year =

((Supplemental Funding Amount x ½) / 80) x 5 (number of counties in Regional Program)

(Supplemental Funding Amount x ½) x (Total Participants delivering waste to ECSWC Regional Program / Total Participants delivering Waste to all Regional Programs)

2.13 Payment Of Stipends. The MPCA will calculate the Stipend Amounts for each state fiscal year using the formula detailed in parts 2.10 and 2.12 above. The ECSWC shall provide participation data, financial data and waste data to the MPCA on or before April 1 of each year in accordance with Attachment A. Data submitted as of April 1 will be considered final. If the ECSWC does not submit data to the MPCA on or before April 1, the ECSWC and Regional Program participants will not be eligible for the Stipend Amount for that fiscal year. If timely and complete data is received from the ECSWC by the MPCA, the MPCA will pay the Stipend Amount to the ECSWC by May 30 of each state fiscal year.

The MPCA will pay the Supplemental Regional Program Operation and Waste Management Stipend for the previous fiscal year in full to the ECSWC by August 31.

- 2.14 Changes in Regional Program Structure. If a county changes or ends Regional Program affiliation during a state fiscal year, stipends and payments for HHW management will be prorated among the sponsoring organizations of all Regional Programs that the county was affiliated with during the fiscal year. Stipends will be prorated based on the percentage of the fiscal year that a county was affiliated with a Regional Program and on the participants served within each Regional Program. A different method for reallocating stipends made by the MPCA may be used with the mutual consent of the MPCA and any involved counties.
- 2.15 Excess Payments. If appropriation reductions occurring after payments have been made result in excessive payments, the ECSWC agrees to return the excess amount to the MPCA within 60 days.
- 2.16 Maintain Financial and Participation Records. The ECSWC shall have available for inspection for a minimum of six years following the expiration or cancellation of this Agreement, complete and accurate records of the work funded by state funds disbursed under this Agreement, including, but not limited to: collection participant surveys, check-off sheets or electronically scanned participant data; personnel time sheets; paid invoices for public education services, paid invoices for waste management services; training costs; and data and quality control information. Upon receipt of a request from the MPCA's authorized representative, the ECSWC shall, in addition, retain the records for such longer period as requested during the time of any administrative, judicial or other proceeding for which the records may be needed. The retention period shall continue until the administrative, judicial, or other proceeding for which the records may be needed is finally completed or until the MPCA's authorized representative notifies the ECSWC in writing that the records need no longer be kept.

3 Total Obligation

The total obligation of the State under this Agreement will not exceed \$5,000,000.

4 Authorized Representatives

The State's Authorized Representative is? HHW Program Coordinator, MPCA 520 Lafayette Rd, St. Paul, MN 55155, or her successor.

The ECSWC Authorized Representative is: Gene Kramer, Executive Director; ECSWC, 1756 180th Avenue, Mora, MN 56201; 320-679-4930.

5 Assignment, Amendments, Waiver, and Contract Complete

- 5.1 Assignment. The ECSWC may neither assign nor transfer any rights or obligations under this Agreement without the prior consent of the State and a fully executed Assignment Agreement, executed and approved by the same parties who executed and approved this Agreement, or their successors in office.
- 5.2 Amendments. Any amendment to this Agreement must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original Agreement, or their successors in office.

5.3 Waiver. If the State fails to enforce any provision of this Agreement, that failure does not waive the provision or its right to enforce it.

5.4 Contract Complete. This Agreement contains all negotiations and agreements between the State and the ECSWC. No other understanding regarding this Agreement, whether written or oral, may be used to bind either party.

6 Liability

Each party agrees that it will be responsible for its own acts and omissions and the results thereof and shall not be responsible for the acts or omissions of any other party and the results thereof. Each party therefore agrees that it will assume liability for itself, its agents or employees for any injury to persons or property resulting in any manner from the conduct of its own operations, and the operations of its agents or employees under this Agreement, and for any loss, cost, damage, or expense resulting at any time from failure to exercise proper precautions, by itself or through its agents or employees.

Nothing in this Agreement is intended to be construed as a waiver of the Tort Claims Act, Minn. Stat. § 3.736, or the Municipal Tort Claims Act, Minn. Stat. ch. 466, or any law, legislative or judicial, limiting governmental liability. Furthermore, nothing in this Part shall be construed to bar any legal remedies the ECSWC or the State may have against the other for failure to fulfill their obligations under this Agreement.

7 State Audits

Under Minn. Stat. § 16C.05, subd. 5, the ECSWC books, records, documents, and accounting procedures and practices relevant to this Agreement are subject to examination by the State and/or the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this Agreement.

8 Government Data Practices

The ECSWC and State must comply with the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, as it applies to all data provided by the State under this Agreement, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the ECSWC under this Agreement. The civil remedies of Minn. Stat. § 13.08 apply to the release of the data referred to in this Part by either the ECSWC or the State.

If the ECSWC receives a request to release the data referred to in this Part, the ECSWC must immediately notify the State. The State will give the ECSWC instructions concerning the release of the data to the requesting party before the data is released.

9 Venue

Venue for all legal proceedings out of this Agreement, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

10 Termination

10.1 Termination. The State or the ECSWC may terminate this Agreement at any time, with or without cause, upon 30 days' written notice to the other party.

10.2 Termination for Insufficient Funding. The State may immediately terminate this Agreement if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written or fax notice to the ECSWC. The State is not obligated to pay for any services that are provided after notice and effective date of termination. However, the ECSWC will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if the Agreement is terminated because of the decision of the Minnesota Legislature, or other funding source, not to appropriate funds. The State must provide the ECSWC notice of the lack of funding within a reasonable time of the State's receiving that notice.

Qualified Participating Households

- Only participants delivering residential Household Hazardous Waste generated within Minnesota to facilities or collections will be counted as households.
- One participant will be credited for the waste from one household. If more than one
 household is included in a delivery to a facility or collection, the actual number of households
 may be counted, provided proper documentation is kept.
- Each of the multiple deliveries from the same participant within a calendar year may be counted.
- Business Waste will not be counted.
- Participants that deliver only "Special Hazardous" or "Universal" wastes will not be counted.
 These wastes include: batteries, elemental mercury containing devices, antifreeze, circuit boards, PCB ballasts, CRTs and other hazardous electronic devices, fluorescent lamps, used motor oil and filters, mercury thermometers from dedicated thermometer exchange events.
- Participants that only come to remove items from product exchange shelves will not be counted.
- Waste that is abandoned at a facility or collection may be counted as one participant if properly documented. No more than 5% of total participation may be accounted for in this manner.

Minimum Required Documentation

Required documentation includes:

- · Surveys filled out by participants;
- An operational log showing each qualifying delivery of waste and the number of households included in each delivery to a facility or collection;
- · Electronically scanned participation data; or
- Other documentation authorized in writing by the State's Authorized Representative.

All records must be completed when the waste is delivered to the facility or event.

Appendix T: Chisago Goal Volume Table

LANDFILL CAPACITY USE Data for Landfills Receiving County Solid Wastes

		10	Year Total	S										
Chisago Co MSW t	o ALL L			tons										
Chisago Co MSW Capacity Us				cubic yards con	npacted in-pla	ce								
		-	-	tons to LF within	n the County									
Chisago County MSW to Out-o	f-State I	andfills	8,300	tons										
		-	252,300	tons to LF in the	e County									
		-	282,900	Cubic Yards to	LF in the Cour	nty								
		-	i	tons										
			252,500	tons					LF Waste Den	sity Assumpt	ions			
			-				Cover Ma	terial % - inter	mediate & Final	15%				
		-	327,200	cubic yards con	npacted in-pla	ce			W Density =		bs/cubic yard in			
							ı	ndustrial Was	te Density=	1,775	bs/cubic yard in	-place		
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10 Yr Totals
DESTINATION LANDFIL	LS fo	r Chisa	igo CO's	MSW										
	0	0	0	0	0	0	0	0	0	0	0	0	0	
East Central Solid Waste Commission	23,570	24,624	24,267	24,384	24,695	24,994	25,347	25,696	25,041	25,076	25,088	25,173	25,556	251,050
Elk River Sanitary LF	7	7	7	7	7	7	7	7	7	7	7	7	7	70
Out-of State Landfills														
Ladysmith WI	833	833	833	833	833	833	833	833	833	833	833	833	833	8,330
Total All Co's MSW to ALL LF's - tons County MSW ONLY CAPACITY USE	24,410	25,464	25,107	25,224	25,535 Wasto -	25,834	26,187	26,536	25,881	25,916	25,928 15%	26,013	26,396	259,450
LF's Capacity Use -All Wastes +Cover - cu yds		28,700	28,300	28,400	28,800	29,100	29,500	29,900	29,200	29,200	29,200	29,300	29,700	292,300
		•		,	•	•		•	•			, , , , , , ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	SAGE	10112	natilie 1	112121	VVIII									
LANDFILL CAPACITY US								•		2022	2023	2024	2025	10 Vr Totals
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10 Yr Totals
Chisago Co's MSW to - tons								•		2022	2023	2024	2025	10 Yr Totals
	2012							•		2022	2023	2024	2025	10 Yr Totals
Chisago Co's MSW to - tons MSW IMPORTED into	2012	2014	2015	2016	2017	2018	2019	2020	2021	-	-	-	-	10 Yr Totals
Chisago Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons	2012	2014 - 0 24,600	2015	2016 - 0	2017 - 0	2018 - 0	2019 - 0	2020 - 0	2021 - 0	- 0	0 25,100	- 0	- 0	
Chisago Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons	2012 - 0 23,600	2014 - 0 24,600	2015	2016 - 0 24,400	2017 - 0 24,700	2018 - 0 25,000	2019 - 0 25,300	2020	2021 - 0 25,000	- 0 25,100	- 0 25,100	- 0 25,200	25,600	251,100
Chisago Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons	2012 - 0 23,600	2014 - 0 24,600	2015	2016 - 0	2017 - 0	2018 - 0	2019 - 0	2020 - 0	2021 - 0	- 0	0 25,100	- 0	- 0	
Chisago Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons	2012 - 0 23,600	2014 - 0 24,600	2015	2016 - 0 24,400	2017 - 0 24,700	2018 - 0 25,000	2019 - 0 25,300	2020	2021 - 0 25,000	- 0 25,100	- 0 25,100	- 0 25,200	25,600	251,100 252,300
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons	2012 - 0 23,600 - 23,600	2014 0 24,600 - 24,800 100	2015 0 24,300 - 24,400 100	2016 - 0 24,400 - 24,500 100	2017 0 24,700 - 24,800 100	2018 - 0 25,000 - 25,100 100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 - 25,700 200	251,100 252,300 1,400
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons	2012 - 0 23,600 - 23,600	2014 - 0 24,600 - 24,800	2015 0 24,300 - 24,400	2016 - 0 24,400 - 24,500	2017 - 0 24,700 - 24,800	2018 - 0 25,000 - 25,100	2019 0 25,300 - 25,500	2020	2021 0 25,000 - 25,200	25,100 - 25,200	25,100 - 25,200	25,200 - 25,300	25,600 25,700 200 25,700	251,100 252,300 1,400 252,500
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons	2012 - 0 23,600 - 23,600	2014 0 24,600 - 24,800 100	2015 0 24,300 - 24,400 100	2016 - 0 24,400 - 24,500 100	2017 0 24,700 - 24,800 100	2018 - 0 25,000 - 25,100 100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 25,700 200 25,700	251,100 252,300 1,400
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons	2012 - 0 23,600 - 23,600 - 23,600	2014 0 24,600 - 24,800 100 24,800	2015 0 24,300 - 24,400 100 24,400	2016 - 0 24,400 - 24,500 100 24,500	2017 0 24,700 - 24,800 100 24,800	2018 0 25,000 - 25,100 100 25,100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 25,700 200 25,700	251,100 252,300 1,400 252,500 Total 10 yr All Waste
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	2012 - 0 23,600 - 23,600 - 23,600	2014 0 24,600 - 24,800 100 24,800	2015 0 24,300 - 24,400 100 24,400	2016 - 0 24,400 - 24,500 100 24,500	2017 0 24,700 - 24,800 100 24,800	2018 0 25,000 - 25,100 100 25,100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 25,700 200 25,700	251,100 252,300 1,400 252,500 Total 10 yr All Waste
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	2012 - 0 23,600 - 23,600 - 23,600	2014 0 24,600 - 24,800 100 24,800	2015 0 24,300 - 24,400 100 24,400	2016 - 0 24,400 - 24,500 100 24,500	2017 0 24,700 - 24,800 100 24,800	2018 0 25,000 - 25,100 100 25,100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 - 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 25,700 200 25,700	251,100 252,300 1,400 252,500 Total 10 yr All Waste Tons to LF
Chisago Co's MSW to -tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	2012 0 23,600 - 23,600 - 23,600	2014 0 24,600 - 24,800 100 24,800	2015 0 24,300 - 24,400 100 24,400	2016 - 0 24,400 - 24,500 100 24,500	2017 0 24,700 - 24,800 100 24,800	2018 0 25,000 - 25,100 100 25,100	2019 - 0 25,300 - 25,500 100	2020 - 0 25,700 - 25,800 100	2021 - 0 25,000 - 25,200 100	25,100 - 25,200 200	25,100 - 25,200 200	25,200 25,300 200	25,600 25,700 200 25,700	251,100 252,300 1,400 252,500 Total 10 yr All Waste

32,200

32,600

31,800

31,600

32,100

32,600

Grand Total 10 yr Landfill Capacity Use -cu yds.

327,200

327,200

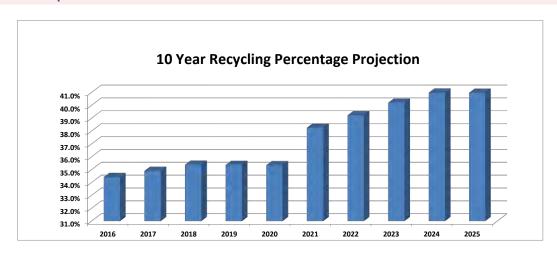
ALL Solid Waste + Cover - Cu Yds In-Place 30,500

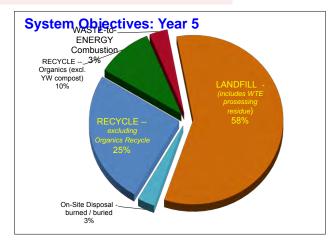
Grand Total LF Capacity Use - cu yds

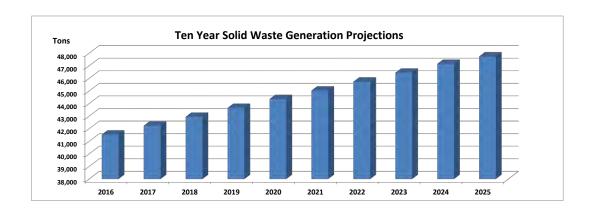
SUMMARY Waste Management System OBJECTIVES

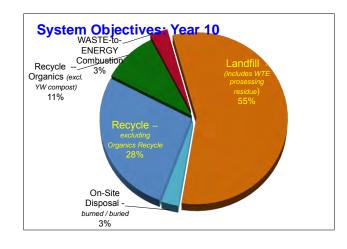
for the Chisago County Solid Waste Management Plan

	2012	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2019</u>	<u>2020</u>	<u> 2025</u>
Planning Year #		Planning Yr 1	Planning Yr 2	Planning Yr 3	Planning Yr 5	Planning Yr 6	Planning Yr 10
MANAGEMENT METHOD OBJECTIVE	ES for the	County MS	W Solid Wa	aste Manag	ement Syst	tem	
Source Reduction							
RECYCLE excluding Organics Recycle	21.3%	24.6%	25.0%	25.4%	25.3%	27.7%	28.5%
RECYCLE Organics (excl. YW compost)	8.81%	9.80%	9.90%	10.00%	10.00%	10.00%	10.72%
WASTE-to-ENERGY Combustion	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%
LANDFILL -(includes WTE prosessing residue)	62.2%	58.7%	58.5%	58.2%	58.1%	57.9%	54.8%
On-Site Disposal - burned / buried	4.4%	3.6%	3.4%	3.1%	3.1%	3.0%	2.7%









	-												
Appendix T - Chisago Co's GVT PCA													
	BASE YR												
	Chisago												
	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
,				Plan Yr # 1	Plan Yr#2	Plan Yr#3	Plan Yr#4	Plan Yr # 5	Plan Yr#6	Plan Yr # 7	Plan Yr#8	Plan Yr#9	Plan Yr # 10
Population / MSW Change / yr State Demographer data		2.694%	1.293%	1.729%	1.701%	1.671%	1.645%	1.617%	1.527%	1.567%	1.544%	1.519%	1.254%
Population for Year 2012	55,337	56,828	57,563	58,558	59,554	60,549	61,545	62,540	63,495	64,490	65,486	66,481	67,315
Persons per Household (St.Demographer data)	2.68												
Commercial /Industrial /Institutional waste % of MSW	30%												
Lbs / Capita / day MSW gen. for On-Site-Disposal (MPCA #)		lbs / person / day											
Population using On-Site Disposal of MSW	4,143	3,936	3,739	3,552	3,374	3,205	3,205	3,205	3,045	2,893	2,748	2,611	2,480
Population % using On-Site Disposal	7.49%	6.93%	6.50%	6.07%	5.67%	5.29%	5.21%	5.12%	4.80%	4.49%	4.20%	3.93%	3.68%
Calculated Total MSW Generated	39,242	40,299	40,820	41,526	42,232	42,938	43,644	44,350	45,027	45,733	46,439	47,145	47,736
	ı												
ON-SITE-DISPOSAL - tons	1,739	1,652	1,569	1,491	1,416	1,345	1,345	1,345	1,278	1,214	1,153	1,096	1,041
												'	
RECYCLING - tons & Percent Objectives													
Residential	4,505	4.876	5,021	5.191	5.342	5,496	5,674	5,854	6.034	6.220	6.409	6.600	6,683
Commercial/Industrial/Institutional (documented)	2,589	2.821	3.470	3.737	3,906	4,079	<i>4,146</i>	4,213	5.088	5,442	5.805	6.129	6,206
Organics Recycling (source separated+food-to-people & livestock)	3,459	3,748	3,878	4,070	4,181	4,294	4,364	4,435	4,746	4,903	5,062	5,186	5,251
Mechanical/Hand Sorted @ Resource Recovery Facility		-	-	-	-	-		-	-	-	-	-	-
Problem Materials - Banned + Other Recycled	1,257	1,270	1,283	1,295	1,308	1,321	1,335	1,348	1,361	1,375	1,389	1,403	1,417
RECYCLING TOTAL tons	11,810	12,715	13,651	14,293	14,738	15,190	15,519	15,850	17,229	17,940	18,664	19,318	19,556
				Yr 1	Yr 2			Yr 5					Yr 10
% Residential Recycling - Objectives	11.5%	12.1%	12.3%		12.7%	12.8%	12.8%	12.8%	13.4%	13.6%	13.8%	14.0%	14.0%
% Commercial / Industrial / Institutional - Objectives	6.6%	7.0%	8.5%	9.0%	9.3%	9.5%	9.5%	9.5%	11.3%	11.9%	12.5%	13.0%	13.0%
% Organics Recycling source separated - Objectives	8.81%	9.30%	9.50%		9.90%	10.00%	10.00%	10.00%	10.54%	10.72%	10.90%	11.00%	11.00%
% Mechanical/Hand Sorted @ Res. Rec. Fac.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

3.1%

33.4%

25,600

3.2%

30.1%

25,693

3.2%

31.6%

25,932

3.1%

34.4%

25,742

3.1%

34.9%

26,078

3.1%

35.4%

26,402

3.1%

35.4%

26,780

3.0%

35.3%

27,154

3.0%

38.3%

26,524

3.0%

39.2%

26,584

3.0%

40.2%

26,621

3.0%

41.0%

26,731

3.0%

41.0%

27,139

Total Recycling Percentages (Actual)

Calculated MSW AVAILABLE FOR Resource Rec. + LF

% Problem Materials - Banned + Other

ation LF's for Co's MSW; Facility Type, & Loca	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>202</u>
SOURCE RECOVERY FAC		rom th	e Cou	ntv									
										_			
	-	-	-	-	-	-	-	-	-		-	-	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons Non-Processable MSW & Bypass MSW %	0.00/	0.0%	0.0%	0.00(0.00/	-	- 0.00/	-	-	- 0.0%	-	- 0.00/	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons R Newport (Ramsey / Washington)	1,283	1,308	1,333	1,358	1,383	1,408	1.433	1.458	1,483	1,508	1,533	1,558	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
,													
Total Tipped MSW at RR Facilities	1,283	1,308	1,333	1,358	1,383	1,408	1,433	1,458	1,483	1,508	1,533	1,558	
Total Mechanical or Hand Materials Recycling at RR	_	_	-	-	-	-	-	-	-	-	-	-	
Total Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Co MSW to RES REC Fac Combustor - tons	1,283	1,308	1,333	1,358	1,383	1,408	1,433	1,458	1,483	1,508	1,533	1,558	
% of Total MSW to WTE Combustor	3.3%	3.2%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	
	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	2022	2023	2024	<u>20</u>
V Imported to Resource Rec	overv F	acility	located	within	Chisa	no Co i	rom Ot	her Co	inties				
	·	- I	-	-	-	-	-	-	-	- [-	-	
							_	_	_	_	_	_	
Total Imported MSW Tipped at Co RR Fac - tons	_	_	-	-	-								
	-	-	-	-	-	<u>-</u>	_	_	_	_	_	-	
Total Imported MSW Tipped at Co RR Fac - tons Mechanical or Hand Materials Recycling at RR Imported MSW Non-Processable MSW & Bypass MSW - %	- 0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
, ,	- 0.0% -	- 0.0%	0.0%	- 0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling at RR Imported MSW Non-Processable MSW & Bypass MSW - %	- 0.0% - -	- 0.0% - -	- 0.0% - -	- 0.0% - -	- 0.0% - -	0.0% - -	- 0.0% - -	- 0.0% - -	- 0.0% - -			0.0%	
Mechanical or Hand Materials Recycling at RR Imported MSW Non-Processable MSW & Bypass MSW - % Non-Processable MSW & Bypass MSW - tons	0.0% - - - 1,283	- 0.0%	0.0% - - 1,333	0.0% - - - 1,358	0.0%	0.0%	0.0%	0.0%	1,483			0.0% - - - 1,558	1

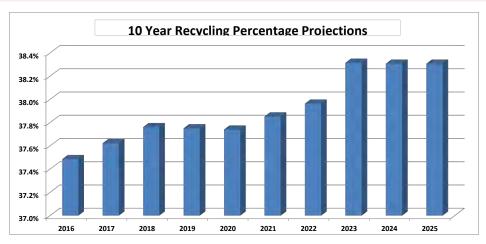
	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
ANDFILL Destinations for Co	ounty	MSW											
			N-PLACE ASSI	JMPTIONS for	landfills locat	ed within Chi	sago County				_		
			(Cover Material	% use - Interme	ediate & final	15%			Cover Material	% use - Interme	ediate & final	15%
				SW In-Place Dens				s/cubic yard					1,7
			Industrial In	-Place Waste Den:	sity Assumption=	L	1,775 lb	s/cubic yard in-plac	e		_	L	1,7
County MSW tons Available for Landfill Disposal	24,410	24,624	24,267	24,384	24,695	24,994	25,347	25,696	25,041	25,076	25,088	25,173	25,5
linnesota Landfills													
ast Central Solid Waste Commission	23,570	24,624	24,267	24,384	24,695	24,994	25,347	25,696	25,041	25,076	25,088	25,173	25
k River Sanitary LF	7	7	7	7	7	7	7	7	7	7	7	7	
	0	0	0	0	0	0	-	-	-	-	0	0	
out-of-State Landfills													
check TONS to LF" -this # must match LF tons AVAILABLE	833	833	833	833	833	833	833	833	833	833	833	833	00.6
	24,410	25,464	25,107	25,224	25,535	25,834	26,187	26,536	25,881	25,916	25,928	26,013	26,3
Abbreviation for primary landfill in county =													
10M loop and add to a Law ICH La			Ol.!	0	£	011	0						
MSW Imported to a Landfill lo	cated	within	Chisa	igo Co	. trom (Otner (Countie	9S					
-	-	-	-	-	-	-	-	-	-	-	-	-	
Total MN MSW Imported to the Co. Landfill	-	-	-	-	-	-	-	-	-		-	-	
Out-of-State MSW Imported to LF in the County Other State MSW	_	-	-			_	_	_	_	. п	_		
ALL MSW Imported to the LF in the Co.	-	-	-	_	_	_	_	_			_		
Remaining MPCA Permitted Capacity - cy	-	cubic yards											
, , ,		,											
NTE Residue & Ash Disposal in Asl	h Cells	at P/D A	sh Land	dfill - to	ns								
Percent WET WTE Ash to Disposal	0.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10
WTE Ash Disposal Tons to Ash Cells in County	-	131	133	136	138	141	143	146	148	151	153	156	
Resource Recovery Facility Reject Residue (non-MSW)	-	-		-	-	-	-	-	-	-	-	-	
Total WTE ASH & WTE Procdessing residue -tons	-	131	133	136	138	141	143	146	148	151	153	156	•
Total All Solid Waste to Landfills	04.440	04.755	04.400	04 500	04.000	05.405	05 400	05.040	05.400	05 000	05.040	05.000	05.7
Total All Solid Waste to Landillis	24,410	24,755	24,400	24,520	24,833	25,135	25,490	25,842	25,190	25,226	25,242	25,329	25,7
Construction / Domolition Wests Lo			0-										
Construction / Demolition Waste La	<u>natilis v</u>	<u>within tr</u>	<u>1e Co.</u>										
Danialitian Landilla	-												
Demolition Landfills					•	· ·	ds per cubic ya						
OKV Demolition Landfill	39,696	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,0
total cy to C&D disposal sites	39,696	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,
total by to Cab disposal sites	39,090	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,
Yard Waste - received at YW sites in Cou	ıntv		Noto: Vard 14/	acto cubio vord	/toppogoo oro	not included a	s part of the say	nti MCM assa	ration tannes	o total			
i di di l'i doctivo di di l'i vi dico ili doc	<u> </u>		Note: Yard Wa	iste cubic yard	/ torinages are :	not included a	s part of the cou	nny iviovy gene	auon tonnag	ย เบเลเ			
ard Waste - received at YW sites in Co Cubic Yards							•		ŭ				

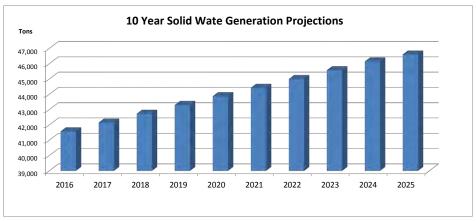
Appendix U: Isanti Goal Volume Table

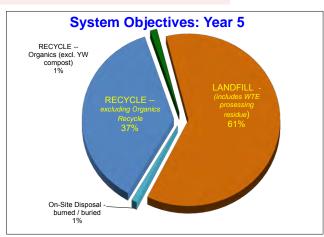
Santi Co MSW Capacity Use at ALL Landfills Santi County MSW to Out-of-State Landfills Santi County Santi County MSW to Out-of-State Landfills Santi County Sant				Year Total											
Sant County MSW to Out-of-State Landfills	Isanti Co MSW t	to ALL L	andfills	269,100 t	tons										
Santi County MSW to Out-of-State Landfills Santi County Sant	Isanti Co MSW Capacity Us	e at ALL	Landfills	303,200	cubic yards cor	mpacted in-place	e								
Part			-	- t	tons to LF withi	n the County									
State Court State Landfills Court State Landfills Court Cour	Isanti County MSW to Out-o	f-State	Landfills		tons										
Part					tons to LF in the	e County									
Part			-	303,200	Cubic Yards to	LF in the Cour	ty								
Cover Material 14 Section 15			-												
Second Color State Second Color Second Colo				269,100 t	tons					T T		tions			
Part				249 700				Cover Ma							
County MSW ONLY CAPACITY USE at All Landfills Receiving County Solid Waste - cubic yards compacted in-Place + cover meterials = 15% County MSW (Inches 15 Capacity Use -All Wastes + Cover Louids 2012 2014 2015 2016 2017 2018 2019 2020 2020 2021 2022 2023 2024 2025 2020			-	346,700	cubic yards cor	npacted in-plac	e	,		· -		•	•		
East Central Solid Waste Commission 23,904 24,770 24,769 25,156 25,561 26,172 26,535 26,897 27,188 27,495 27,692 28,090 28,333 269,001 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2012	2014	2015	2016	2017	2018							2025	10-Year To
East Central Solid Waste Commission 23,904 24,770 24,769 25,156 25,561 26,172 26,535 26,897 27,188 27,495 27,692 28,050 28,333 269,001 20	DESTINATION LANDEILI	Sfo	r Isanti	CO's M	SW										
Total All Co's MSW to ALL LF's - tons 23,904 24,770 24,769 25,565 25,561 26,772 26,535 26,897 27,498 27,692 28,050 28,333 269,000 27,900 27,900 27,900 28,300 28,800 29,500 29,900 30,300 31,000 31,200 31,600 31,900 30,300 30,300 30,000 31,200 31,200 31,600 31,900 30,300 30,300 30,300 30,300 31,200 31,200 31,200 31,900 30,30						25,561	26,172	26,535	26,897	27,188	27,495	27,692	28,050	28,333	269,
County MSW ONLY CAPACITY USE at All Landfills Receiving County Solid Waste - cubic yards compacted In-Place + cover materials = 15%	Out-of State Landfills														
County MSW ONLY CAPACITY USE at All Landfills Receiving County Solid Waste - cubic yards compacted In-Place + cover materials = 15% LPS Capacity Use -All Wastes + Cover - cury by 26,900 27,900 28,300 28,800 29,500 29,900 30,300 30,600 31,000 31,200 31,600 31,0	-														
ANDFILL CAPACITY USAGE for Landfills located WITHIN Isanti County 2012 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 and Co's MSW to -tons SW IMPORTED into Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	otal All Co's MSW to ALL LF's - tons	23,904	24,770	24,769	25,156	25,561	26,172	26,535	26,897	27,188	27,495	27,692	28,050	28,333	269,0
ANDFILL CAPACITY USAGE for Landfills located WITHIN Isanti County 2012 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 and Co's MSW to - tons WIMPORTED into Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	County MSW ONLY CAPACITY USE:	at All I a	andfills Re	ceiving Cou	nty Solid	Waste - c	ihic vards co	mnacted In-F	Place + cover	materials -		15%			
ANDFILL CAPACITY USAGE for Landfills located WITHIN Isanti County 2012 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 anti Co's MSW to -tons Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											31.000		31.600	31.900	303.2
2012 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 santi Co's MSW to -tons SWM MPORTED into Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		.,	,	,,,,,,	-,	.,	-,	.,	7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,	,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_
2012 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 Santi Co's MSW to -tons Control MSW Imported to County -tons 23,900 24,800 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 26,900 26,900 27,200 27,500 27,700 28,100 28,300 26,900 26,900 27,200 27,500 27,700 28,100 28,300 26,900 26,900 27,200 27,500 27,700 28,100 28,300 26,900 26,900 27,200 27,500 27,700 28,100 28,300 26,900 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,200 27,200 27,200 28,100 28,300 26,900 27,200 27,200 27,200 28,100 28,300 26,900 27,200 27,200 27,200 28,200 26,900 27,200 27,200 28,200 26,900 27,200 27,200 28,200 28,300 33,300 30,600 31,000 31,200	LANDFILL CAPACITY US	SAGE	for La	ndfills lo	ocated	WITH	IN Isaı	nti Coi	unty						10-Year To
Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															
Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Other MSW Imported to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	anti Co's MSW to - tons	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Out-of-State MSW to Landfill in Co tons Total MSW to LF in the Country - tons 23,900 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 269, adustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to 23,900 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 269, Total 10 yr All Waste (Not of the Country -		2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Total MSW to LF in the County - tons 23,900 24,800 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,200 27,200 27,500 27,700 28,100 28,300 26,900 27,200	SW IMPORTED into	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total MSW to LF in the County - tons 23,900 24,800 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 26,900 27,200 27,500 27,500 27,700 28,100 28,300 28,900 29,900 30,300 30,600 31,000	SW IMPORTED into Other MSW Imported to	- 0	- 0	- 0	- 0	- 0	- 0	- 0	- 0	- 0	- 0	- 0	0	- 0	
Total Solid Waste to 23,900	SW IMPORTED into Other MSW Imported to MN MSW Received at -tons	- 0	- 0 24,800	- 0	0 25,200	- 0	- 0	0 26,500	0 26,900	- 0	0 27,500	0 27,700	0	- 0 28,300	
Total Solid Waste to 23,900 24,800 24,800 25,200 25,600 26,200 26,500 26,900 27,200 27,500 27,700 28,100 28,300 Total 10 yr All W Tons to LF Total Cubic Yard Capacity Use at the - MSW + Ind. W. + cover Total LL MSW TO - cu yds 26,900 27,900 27,900 28,300 28,800 29,500 29,900 30,300 30,600 31,000 31,200 31,600 31,900 303,000 303,000 30,600 30	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons	0 23,900	- 0 24,800 -	- 0 24,800 -	- 0 25,200 -	- 0 25,600	- 0 26,200	- 0 26,500	- 0 26,900	- 0 27,200	- 0 27,500	- 0 27,700	0 28,100	- 0 28,300	269,
Total Cubic Yard Capacity Use at the - MSW + Ind. W. + cover TOTAL ALL MSW TO -cu yds 26,900 27,900 27,900 28,300 28,800 29,500 29,900 30,300 30,600 31,000 31,200 31,600 31,900 303,200 303,200 303,200 30,600 31,000 31,200 31,600 31,900 303,200 303,200 30,600 31,000 31,200 31,600 31,900 303,200 303,200 30,600 31,000 31,200 31,600 31,900 303,200 30,600 31,000 31,	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons	0 23,900	- 0 24,800 -	- 0 24,800 -	- 0 25,200 -	- 0 25,600	- 0 26,200	- 0 26,500	- 0 26,900	- 0 27,200	- 0 27,500	- 0 27,700	0 28,100	- 0 28,300	269,
Total Cubic Yard Capacity Use at the - MSW + Ind. W. + cover Total All MSW TO -cu yds 26,900 27,900 27,900 28,300 28,800 29,500 29,900 30,300 30,600 31,000 31,200 31,600 31,900 303,	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons	0 23,900	- 0 24,800 -	- 0 24,800 -	- 0 25,200 -	- 0 25,600	- 0 26,200	- 0 26,500	- 0 26,900	- 0 27,200	- 0 27,500	- 0 27,700	0 28,100	- 0 28,300	269,
Total Cubic Yard Capacity Use at the - MSW + Ind. W. + cover Total All MSW TO - cu yds 26,900 27,900 27,900 28,300 28,800 29,500 29,900 30,300 30,600 31,000 31,200 31,600 31,900 303,303 30,600 31,000	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons dustrial & other Non-MSW Waste to LF cells - tons	23,900 - 23,900	24,800 - 24,800	- 24,800 - 24,800	25,200 - 25,200	25,600 - 25,600	26,200	26,500 - 26,500	- 26,900 - 26,900	27,200 - 27,200	- 0 27,500 - 27,500	27,700 - 27,700	28,100 - 28,100	28,300 - 28,300	269, 269,
MSW to LF TOTAL ALL MSW TO - cu yds Industrial Waste (IW) to - cu yds ALL Solid Waste + Cover - Cu Yds In-Place 31,000 32,100 3	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons dustrial & other Non-MSW Waste to LF cells - tons	23,900 - 23,900	24,800 - 24,800	- 24,800 - 24,800	25,200 - 25,200	25,600 - 25,600	26,200	26,500 - 26,500	- 26,900 - 26,900	27,200 - 27,200	- 0 27,500 - 27,500	27,700 - 27,700	28,100 - 28,100	28,300 - 28,300	269,1 - 269,1 - 269,1 al 10 yr All W
TOTAL ALL MSW TO - cu yds	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons dustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	23,900 - 23,900 - 23,900	24,800 - 24,800 - 24,800	24,800 - 24,800 - 24,800	25,200 - 25,200 - 25,200	25,600 - 25,600 - 25,600	26,200 - 26,200 - 26,200	26,500 - 26,500	- 26,900 - 26,900	27,200 - 27,200	- 0 27,500 - 27,500	27,700 - 27,700	28,100 - 28,100	28,300 - 28,300	269, - 269, - 269,1
ALL Solid Waste + Cover - <u>Cu Yds in-Place</u> 31,000 32,100 32,100 32,600 33,100 33,900 34,400 34,900 35,200 35,600 35,900 36,300 36,700 348, Grand Total LF Capacity Use - cu yds Grand Total Landfill Solid Waste Capacity Use - cubic yards = 348,700	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons dustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	23,900 - 23,900 - 23,900	24,800 - 24,800 - 24,800	24,800 - 24,800 - 24,800	25,200 - 25,200 - 25,200	25,600 - 25,600 - 25,600	26,200 - 26,200 - 26,200	26,500 - 26,500	- 26,900 - 26,900	27,200 - 27,200	- 0 27,500 - 27,500	27,700 - 27,700	28,100 - 28,100	28,300 - 28,300	269, 269, - 269, ² al 10 yr All W Tons to LF
Grand Total LF Capacity Use - cu yds Grand Total Landfill Solid Waste Capacity Use - cubic yards = 348,7	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons idustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	23,900 - 23,900 - 23,900	24,800 - 24,800 - 24,800 at the -	24,800 24,800 MSW + II	25,200 25,200 - 25,200 nd. W.	25,600 - 25,600 - 25,600	26,200 - 26,200 - 26,200	26,500 - 26,500 - 26,500	26,900 - 26,900 - 26,900	27,200 - 27,200 - 27,200	27,500 - 27,500 - 27,500	27,700 - 27,700 - 27,700	28,100 - 28,100 - 28,100	28,300 - 28,300 - 28,300	269, 269, 269, 269, 31 10 yr All W Tons to LF
	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Idustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds	23,900 - 23,900 - 23,900	24,800 - 24,800 - 24,800 at the -	24,800 24,800 MSW + II	25,200 25,200 25,200 nd. W.	25,600 - 25,600 - 25,600 + COVE	26,200 - 26,200 - 26,200	26,500 - 26,500 - 26,500	26,900 - 26,900 - 26,900	27,200 - 27,200 - 27,200	27,500 - 27,500 - 27,500	27,700 - 27,700 - 27,700	28,100 - 28,100 - 28,100	28,300 - 28,300 - 28,300 Tot	269, 269, 269,1 269,1 31 10 yr All W Tons to LF
	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Idustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds Industrial Waste (IW) to - cu yds	23,900 - 23,900 - 23,900 Use a	24,800 - 24,800 - 24,800 at the -	24,800 24,800 MSW + II	25,200 25,200 25,200 nd. W.	25,600 - 25,600 - 25,600 + COVE	26,200 - 26,200 - 26,200	26,500 - 26,500 - 26,500	26,900 - 26,900 - 26,900	27,200 - 27,200 - 27,200	27,500 - 27,500 - 27,500	27,700 - 27,700 - 27,700	28,100 - 28,100 - 28,100	28,300 - 28,300 - 28,300 Tot	269, 269, 269, 269, 269, 303,
	Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons dustrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds Industrial Waste (IW) to - cu yds ALL Solid Waste + Cover - Cu Yds In-Place	23,900 - 23,900 - 23,900 Use a	24,800 - 24,800 - 24,800 at the -	24,800 24,800 MSW + II	25,200 - 25,200 - 25,200 nd. W.	25,600 - 25,600 - 25,600 + COVE	26,200 - 26,200 - 26,200 - 29,500 - 33,900	26,500 - 26,500 - 26,500 - 29,900 - 34,400	26,900 - 26,900 - 26,900 30,300 - 34,900	27,200 - 27,200 - 27,200 - 27,200	27,500 - 27,500 - 27,500 - 27,500	27,700 - 27,700 - 27,700 - 27,700	28,100 - 28,100 - 28,100 - 31,600 - 36,300	28,300 - 28,300 - 28,300 Tot 31,900 - 36,700	269, 269,1 269,1 al 10 yr All W Tons to LF MSW to LF 303,

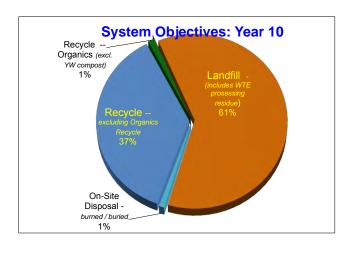
for the Isanti County Solid Waste Management Plan

	2012	<u> 2016</u>	<u> 2017</u>	<u> 2018</u>	<u> 2020</u>	<u> 2022</u>	<u>2025</u>
Planning Year #		Planning Yr 1			Planning Yr 5		Planning Yr 10
MANAGEMENT METHOD OBJECTIV	ES for the	County MS	W Solid Wa	aste Manag	ement Syst	tem	
Source Reduction							
RECYCLE excluding Organics Recycle	35.5%	36.3%	36.4%	36.6%	36.5%	36.8%	37.1%
RECYCLE Organics (excl. YW compost)	1.58%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%
WASTE-to-ENERGY Combustion	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
LANDFILL -(includes WTE prosessing residue)	60.6%	60.5%	60.6%	61.3%	61.3%	61.1%	60.8%
On-Site Disposal - burned / buried	2.4%	2.0%	1.7%	1.0%	1.0%	0.9%	0.9%









Appendix U - Isanti Co's GVT PCA													
	BASE YR												
•	Isanti	2014	2045	2040	2047	2040	2040	2020	2024	2022	2022	2024	2025
l	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	2022	<u>2023</u>	<u>2024</u>	<u>2025</u>
Population / MSW Change / yr State Demographer data		2.599%	1.268%	Plan Yr #1 1.403%	Plan Yr #2 1.384%	Plan Yr #3 1.365%	Plan Yr #4 1.346%	Plan Yr #5 1.329%	Plan Yr #6 1.244%	Plan Yr #7 1.295%	Plan Yr #8 1.278%	Plan Yr #9 1.262%	Plan Yr#10 0.993%
Population for Year 2012	38,826	39,835	40,340	40,906	41,472	42,038	42,604	43,170	43,707	44,273	44,839	45,405	45,856
Persons per Household (St.Demographer data)	2.67												
Commercial /Industrial /Institutional waste % of MSW	25%												
Lbs / Capita / day MSW gen. for On-Site-Disposal (MPCA #)		lbs / person / day											
Population using On-Site Disposal of MSW	2,238	2,238	2,238	1,990	1,742	999	999	999	999	999	998	998	998
Population % using On-Site Disposal	5.76%	5.62%	5.55%	4.87%	4.20%	2.38%	2.34%	2.31%	2.29%	2.26%	2.23%	2.20%	2.18%
Calculated Total MSW Generated	39,462	40,487	41,000	41,575	42,150	42,725	43,300	43,875	44,421	44,996	45,571	46,146	46,604
ON-SITE-DISPOSAL - tons	939	939	939	835	731	419	419	419	419	419	419	419	419
Includes Problem Materials Not Collected													
RECYCLING - tons & Percent Objectives													
Residential	5,898	6,154	6,273	6,403	6,533	6,665	6,755	6,845	6,965	7,091	7,291	7,383	7,457
Commercial/Industrial/Institutional (documented)	6,809	7,085	7,216	7,359	7,482	7,605	7,707	7,810	7,925	8,045	8,203	8,306	8,389
Organics Recycling (source separated+food-to-people & livestock)	622	237	488	495	502	508	515	522	529	535	542	549	555
Mechanical/Hand Sorted @ Resource Recovery Facility	-	-	-	-	-	-	-	-	-	-	-	-	-
Problem Materials - Banned + Other Recycled	1,289	1,302	1,315	1,328	1,341	1,355	1,368	1,382	1,396	1,410	1,424	1,438	1,452
RECYCLING TOTAL tons	14,618	14,778	15,292	15,584	15,858	16,133	16,346	16,558	16,814	17,082	17,460	17,677	17,852
		Yr 1	Yr 2	Yr 3		Yr 5					Yr 10		
% Residential Recycling - Objectives	14.9%	15.2%	15.3%	15.4%	15.5%	15.6%	15.6%	15.6%	15.7%	15.8%	16.0%	16.0%	16.0%
% Commercial / Industrial / Institutional - Objectives	17.3%	17.5%	17.6%	17.7%	17.8%	17.8%	17.8%	17.8%	17.8%	17.9%	18.0%	18.0%	18.0%
% Organics Recycling source separated - Objectives	1.58%	0.58%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%
% Mechanical/Hand Sorted @ Res. Rec. Fac.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Problem Materials - Banned + Other	3.3%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%
Total Recycling Percentages (Actual)	37.0%	36.5%	37.3%	37.5%	37.6%	37.8%	37.7%	37.7%	37.9%	38.0%	38.3%	38.3%	38.3%
Calculated MSW AVAILABLE FOR Resource Rec. + LF	23,904	24,770	24,769	25,156	25,561	26,172	26,535	26,897	27,188	27,495	27,692	28,050	28,333

ination LF's for Co's MSW; Facility Type, & Locat	<u>2012</u> ion	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	202
SOURCE RECOVERY FACI		from th	e Cou	nty									
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-		-	-	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons Total Tipped MSW at RR Facilities				-	-	-	-	-	-	-	-	-	
Total Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	
Total Non-Processable MSW & Bypass MSW - tons	-		-	-	-	-	-	-	-	-	-	-	
Total Co MSW to RES REC Fac Combustor - tons	-	-	•	•	-	•	-	•	•	-	•	-	
% of Total MSW to WTE Combustor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
W Imported to Decourse Deco	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	2018	2019	2020	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>20</u> 2
SW Imported to Resource Reco	overy F	-acility i	ocated	within	Isanti (SO. Troi	n Otnei	Count	les		_		
Total Imported MCW Timped at Co DD Fee	•												
Total Imported MSW Tipped at Co RR Fac - tons Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	
Imported MSW Non-Processable MSW & Bypass MSW - % Non-Processable MSW & Bypass MSW - tons	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total Imported MSW to WTE Combustor - tons	-		-		-	-	-		-		-	-	
Total MSW Tipped at Co RR Fac - All Co's - tons	_	_	_	_	_	_	-	-	-	-	-	-	
Total more ripped at out the rac - All outs - tolls	_												
Total ALL MSW into WTE Combustor - tons	-	-	-	-	-	-	-	-	-	-	-	-	
•••	- 2012	- 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	202
Total ALL MSW into WTE Combustor - tons	- 2012 Duntv	- 2014 MSW	- 2015	<u>-</u> 2016	- 2017	<u>-</u> <u>2018</u>	- 2019	- 2020	- <u>2021</u>	- 2022	- <u>2023</u>	<u>-</u> 2024	<u>202</u>
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co	ounty		PLACE ASSU	MPTIONS for I	landfills locate	d within Isa <u>nt</u>	i County	- 2020					
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co	ounty	MSW	PLACE ASSUI	MPTIONS for I	landfills locate % use - Interme	d within Isa <u>nt</u>	i County			2022 Cover Material			15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co	ounty	MSW	PLACE ASSUI	MPTIONS for I	landfills locate % use - Interme ty Assumption =	d within Isa <u>nt</u>	i County 15% 1,775	2020 S/cubic yard					15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co	ounty ANDFILL CO	MSW OMPACTED IN-	PLACE ASSUI C MS Industrial In-I	MPTIONS for I lover Material 9 SW In-Place Densit	landfills locate % use - Interme ty Assumption = ity Assumption=	d within Isant diate & final	i County 15% 1,775 // 1,775 //	s/cubic yard s/cubic yard in-plac	е	Cover Material ⁽	% use - <i>Interme</i>	ediate & final	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal	ounty	MSW	PLACE ASSUI	MPTIONS for I over Material 9 GW In-Place Densit	landfills locate % use - Interme ty Assumption =	d within Isa <u>nt</u>	i County 15% 1,775	s/cubic yard					15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co	ounty ANDFILL CO	MSW OMPACTED IN-	PLACE ASSUI C MS Industrial In-I	MPTIONS for I lover Material 9 SW In-Place Densit	landfills locate % use - Interme ty Assumption = ity Assumption=	d within Isant diate & final	i County 15% 1,775 // 1,775 //	s/cubic yard s/cubic yard in-plac	е	Cover Material ⁽	% use - <i>Interme</i>	ediate & final	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills	ANDFILL CO	MSW DMPACTED IN- 24,770	PLACE ASSUI C MS Industrial In-I	MPTIONS for I cover Material 9 SW In-Place Densit Place Waste Densi 25,156	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561	d within Isant diate & final	15% 1,775 // 1,775 // 26,535	s/cubic yard s/cubic yard in-plac 26,897	e 27,188	Cover Material (% use - Interme	ediate & final	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission Of-State Landfills	23,904	24,770 24,770	PLACE ASSUI C MS Industrial In-1 24,769	MPTIONS for I over Material 9 6W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561	d within Isant diate & final 26,172 26,172	15% 1,775 b 1,775 b 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission of State Landfills CCKTONS to LF"-this # must match LF tons AVAILABLE	ANDFILL CO	MSW DMPACTED IN- 24,770	PLACE ASSUI C MS Industrial In-I	MPTIONS for I cover Material 9 SW In-Place Densit Place Waste Densi 25,156	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561	d within Isant diate & final	15% 1,775 // 1,775 // 26,535	s/cubic yard s/cubic yard in-plac 26,897	e 27,188	Cover Material (% use - Interme	ediate & final	2
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission Of-State Landfills	23,904	24,770 24,770	PLACE ASSUI C MS Industrial In-1 24,769	MPTIONS for I over Material 9 6W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561	d within Isant diate & final 26,172 26,172	15% 1,775 b 1,775 b 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills intal Sold Waste Commission of-State Landfills ECK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county =	23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission of State Landfills CCKTONS to LF"-this # must match LF tons AVAILABLE	23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills intal Sold Waste Commission of-State Landfills CCK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county = SW Imported to a Landfill lo Total MN MSW Imported to the Co. Landfill	23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
County MSW tons Available for Landfill Disposal esota Landfills Interview of the County of the Coun	23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
Total ALL MSW into WTE Combustor - tons NDFILL Destinations for Co County MSW tons Available for Landfill Disposal esota Landfills intal Sold Waste Commission of-State Landfills CCK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county = SW Imported to a Landfill lo Total MN MSW Imported to the Co. Landfill	23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156 0 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission Inf-State Landfills CCK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county = SW Imported to a Landfill lo Total MN MSW Imported to the Co. Landfill Inf-State MSW Imported to LF in the County State MSW	23,904 23,904 23,904	24,770 24,770 24,770	PLACE ASSUL ME Industrial In-I 24,769 24,769	MPTIONS for I over Material 9 W In-Place Densit Place Waste Densi 25,156 25,156 0 25,156	landfills locate % use - Interme ty Assumption = tity Assumption= 25,561 25,561 0 25,561	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
County MSW tons Available for Landfill Disposal esota Landfills Intra Solid Waste Commission Of-State Landfills CCK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county = Total MN MSW Imported to the Co. Landfill fe-State MSW Imported to LF in the County State MSW ALL MSW Imported to the LF in the Co. aining MPCA Permitted Capacity - cy	23,904 23,904 23,904	24,770 24,770 24,770 within	PLACE ASSUI C C MM Industrial In-1 24,769	MPTIONS for I over Material 9 W In-Place Densit 25,156 25,156 Co. fr	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561 25,561 On Oth	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
County MSW tons Available for Landfill Disposal esota Landfills marked Solid Waste Commission of-State Landfills Abbreviation for primary landfill in county = Total MN MSW Imported to the Co. Landfill fe-State MSW Imported to LF in the County State MSW ALL MSW Imported to the LF in the Co.	23,904 23,904 23,904	24,770 24,770 24,770 within	PLACE ASSUI C C MM Industrial In-1 24,769	MPTIONS for I over Material 9 W In-Place Densit 25,156 25,156 Co. fr	landfills locate % use - Interme ty Assumption = ity Assumption= 25,561 25,561 On Oth	26,172 26,172 0 26,172	15% 1,775 to 1,775 to 26,535 26,535	s/cubic yard s/cubic yard in-plac 26,897 26,897	e 27,188 27,188	27,495 27,495	% use - Interme 27,692 27,692	28,050	15
County MSW tons Available for Landfill Disposal esota Landfills Intral Solid Waste Commission Of-State Landfills CCK TONS to LF"-this # must match LF tons AVAILABLE Abbreviation for primary landfill in county = Total MN MSW Imported to the Co. Landfill for State MSW ALL MSW Imported to the LF in the Co. Landfill State MSW ALL MSW Imported to the LF in the Co. Landfill MPCA Permitted Capacity - cy TE Residue & Ash Disposal in Ash	23,904 23,904 23,904 Cated	MSW DMPACTED IN- 24,770 24,770 0 24,770 within	PLACE ASSUL MS Industrial In-1 24,769 24,769 ISANTI - - - - - - - - - - - - -	MPTIONS for I lover Material 9 SW In-Place Densit Place Waste Densi 25,156 25,156 Co. fro	landfills locate % use - Interme % use - Interme % use - Interme x x x x 25,561 25,561 0 25,561 - - - - 1 1 1 1 2 1 3 1 4 1 5 1 6 1 7 1 7 1 8 1 9 1 1 1 1 1 1 1 1 1	26,172 26,172 26,172 0 26,172	15% 1,775 b 1,775 b 26,535 26,535	26,897 26,897 26,897	27,188 27,188 - 27,188	27,495 27,495 27,495	27,692 27,692 0 27,692	28,050 28,050 0 28,050	202

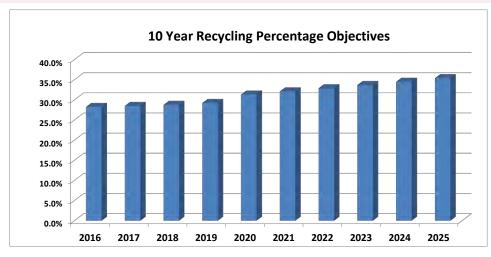
Total All Solid Waste to Landfills	23,904	24,770	24,769	25,156	25,561	26,172	26,535	26,897	27,188	27,495	27,692	28,050	28,333
Construction / Demolition Waste Lan	ndfills v	<u>vithin th</u>	ne Co.										
Demolition Landfills	Note: ty			•		tely 460 pound	ls per cubic ya	ırd					
East Central Solid Waste - Kanabec	435	435	435	435	435	435	435	435	435	435	435	435	435
DKV - Chisago	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522	6,522
total cy to C&D disposal sites	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957	6,957
Yard Waste - received at YW sites in Cou	<u>ınty</u>		Note: Yard Wa	ste cubic yard /	tonnages are r	not included as p	part of the count	y MSW genera	ntion tonnage to	tal			
Yard Waste in Isanti County is accepted by ECSWC transfer station	-	-	-	-	-	-	-	-	-	-	-	-	-

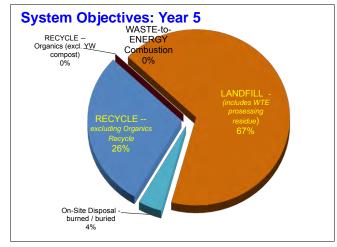
Appendix V: Kanabec Goal Volume Table

		10	Year Total	ls										
Kanabec Co MSW t	o ALL L	andfills	69,000	tons										
Kanabec Co MSW Capacity Us	e at ALL	Landfills	77,800	cubic yards con	npacted in-pla	ice								
Co MSW to East Central Solid Waste	e Comn	nission	69,100	tons to LF withir	n the County									
Kanabec County MSW to Out-o	f-State	Landfills	-	tons										
SW Total to East Central Solid Waste	e Comn	nission	933,600	tons to LF in the	County									
ISW Total to East Central Solid Waste	e Comn	nission	1,052,000	Cubic Yards to	LF in the Cou	nty								
ial Waste to East Central Solid Waste	e Comn	nission	-	tons										
Delivered to East Central Solid Waste	e Comn	nission	933,600	tons					LF Waste Der	sity Assum	otions			
		_					Cover Ma	terial % - inter	mediate & Final	15%				
Waste Commission Total USE - All Waste	s +Cove	r - cu yds	1,209,800	cubic yards com	npacted in-pla	ice			W Density =		lbs/cubic yard ir	n-place		
							lr	ndustrial Was	te Density=	1,775	lbs/cubic yard ii	n-place		
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Totals
DESTINATION LANDFIL	LS fo	r Kana	bec CO'	s MSW	1									
East Central Solid Waste Commission	7,249	7,705	7,392	7,009	7,039	7,069	7,075	6,905	6,867	6,836	6,802	6,764	6,684	69,050
Out-of State Landfills														
	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total All Co's MSW to ALL LF's - tons	7,249	7,705	7,392	7,009	7,039	7,069	7,075	6,905	6,867	6,836	6,802	6,764	6,684	69,049
County MSW ONLY CAPACITY USE										7 700	15%	7.000	7.500	77 000
LF's Capacity Use -All Wastes +Cover - cu yds	8,200	8,700	8,300	7,900	7,900	8,000	8,000	7,800	7,700	7,700	7,700	7,600	7,500	77,800
LANDFILL CAPACITY US	SAGE	for La	ndfills l	ocated	WITH	IN Kar	nabec	Count	v					
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Totals
Kanabec Co's MSW to East Central Solid Waste Com	7,200	7,700	7,400	7,000	7,000	7,100	7,100	6,900	6,900	6,800	6,800	6,800	6,700	69,100
MSW IMPORTED into East Central Solid Waste Comm	mission													
Chisago County	23,570	24,624	24,267	24,384	24,695	24,994	25,347	25,696	25,041	25,076	25,088	25,173	25,556	251,100
Isanti County Mille Lacs County	23,904 8,824	24,770 4,174	24,769 3,834	25,156 3,788	25,561 3,797	26,172 3,901	26,535 3,864	26,897 3,822	27,188 3,786	27,495 3,748	27,692 3,733	28,050 3,673	28,333 3,638	269,100 37,800
Pine County	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,933	215,900
Aitkin County	9,688	9,896	9,779	9,755	9,744	9,578	9,424	9,252	9,091	8,919	8,291	8,349	8,407	90,800
Other MSW Imported to East Central Solid Waste														
Commission	82,522	82,841	82,147	82,823	83,943	85,659	86,508	87,328	87,035	87,435	87,157	87,836	88,867	864,600
MN MSW Received at East Central Solid Waste	00.000	00.500	00.500	00.000	04.000	00.700		04.000		04.000	04.000	04.000	05.000	022 600
Commission -tons	89,800	90,500	89,500	89,800	91,000	92,700	93,600	94,200	93,900	94,300	94,000	94,600	95,600	933,600
Out-of-State MSW to Landfill in Co tons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total MSW to LF in the County - tons	89,800	90,500	89,500	89,800	91,000	92,700	93,600	94,200	93,900	94,300	94,000	94,600	95,600	933,600
Industrial & other Non-MSW Waste to LF cells - tons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ed Waste to Fact Control Coll I Waste Co.	00.000	00 500	00 500	89.800	04.000	92.700	93.600	94.200	93.900	94.300	94.000	94.600	05.000	933.600
lid Waste to East Central Solid Waste Commission	89,800	90,500	89,500	89,800	91,000	92,700	93,600	94,200	93,900	94,300	94,000	94,600	95,600	Total 10 yr All Waste
														Tons to ECSWC
Total Cubic Yard Capacity	Use a	at the E	ast Centr	al Solid	l Waste	e Comr	nissio	n - MSV	V + Ind	. W. +	cover			
										·	 -			MSW to LF CY
V TO East Central Solid Waste Commission - cu yds	101,200	102,000	100,900	101,200	102,500	104,500	105,400	106,200	105,800	106,200	105,900	106,600	107,700	1,052,000
Industrial Waste (IW) to ECSWC - cu yds	-	-	-										-	-
ALL Solid Waste + Cover - Cu Yds In-Place	116,300	117,300	116,000	116,400	117,900	120,200	121,300	122,100	121,700	122,200	121,700	122,600	123,800	1,209,800
Grand Total LF Capacity Use - cu yds						Grand	Total	10 vr I	andfill	Canac	ity Hea	e - cu ye	ds	1,209,800
Crana Total El Capacity USE - cu yus			Ĺ			Grand	Total	io yi L	andilli	Japac	nty USC	, cu y	<i>1</i> 3.	1,200,000
Remaining Permitted Landfill Capacity - cy + cover	_	_	_	_	_	_	_	_	_	_	_	_	_	
			*											

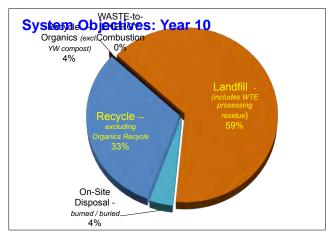
for the Kanabec County Solid Waste Management Plan

	2012	<u> 2014</u>	<u> 2016</u>	<u>2018</u>	<u> 2020</u>	<u> 2025</u>
Planning Year #			Planning Yr 1	Planning Yr 3	Planning Yr 5	Planning Yr 10
MANAGEMENT METHOD OBJECTIV	ES for the	County MS	SW Solid W	aste Manag	gement Sys	stem
Source Reduction						
RECYCLE excluding Organics Recycle	23.6%	20.3%	28.2%	28.7%	31.3%	35.4%
RECYCLE Organics (excl. YW compost)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WASTE-to-ENERGY Combustion	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
LANDFILL -(includes WTE prosessing residue)	72.1%	75.5%	67.6%	67.2%	64.7%	60.7%
On-Site Disposal - burned / buried	4.3%	4.2%	4.1%	4.1%	4.0%	3.9%









Α	מ	pendix	V-	Kanabec	Co's	GVT	PCA	

Appendix V - Nariabec Co S GVT PCA													
	BASE YR												
	Kanabec												
L	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
				Plan Yr #1	Plan Yr #2	Plan Yr #3	Plan Yr #4	Plan Yr #5	Plan Yr #6	Plan Yr #7	Plan Yr #8	Plan Yr #9	Plan Yr#10
Population / MSW Change / yr State Demographer data		1.534%	0.752%	0.759%	0.753%	0.753%	0.742%	0.736%	0.611%	0.726%	0.727%	0.716%	0.244%
Population for Year 2012	16,492	16,745	16,871	16,999	17,127	17,256	17,384	17,512	17,619	17,747	17,876	18,004	18,048
Persons per Household (St.Demographer data)	2.46												
Commercial /Industrial /Institutional waste % of MSW	25%												
Lbs / Capita / day MSW gen. for On-Site-Disposal (MPCA#)		os / person / day											
Population using On-Site Disposal of MSW	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020
Population % using On-Site Disposal	6.18%	6.09%	6.05%	6.00%	5.96%	5.91%	5.87%	5.82%	5.79%	5.75%	5.71%	5.67%	5.65%
Calculated Total MSW Generated	10,054	10,209	10,286	10,364	10,442	10,521	10,599	10,677	10,742	10,820	10,899	10,977	11,004
ON-SITE-DISPOSAL - tons	428	428	428	428	428	428	428	428	428	428	428	428	428
RECYCLING - tons & Percent Objectives													
Residential	1,471	1,235	1,265	1,555	1,605	1,658	1,712	1,794	1,850	1,910	1,972	2,036	2,091
Commercial/Industrial/Institutional (documented)	781	715	874	1,036	1,023	1,010	1,018	1,174	1,211	1,250	1,291	1,333	1,376
Organics Recycling (source separated+food-to-people & livestock)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical/Hand Sorted @ Resource Recovery Facility	-	-		-	-	-		-	-	-	-		
Problem Materials - Banned + Other Recycled RECYCLING TOTAL tons	113 2,365	163 2,113	326 2,465	336 2,927	346 2,975	356 3,024	366 3,096	376 3,344	386 3,447	396 3,556	406 3,669	416 3,784	426 3,892
				Yr 1				Yr 5					Yr 10
% Residential Recycling - Objectives	14.6%	12.1%	12.3%	15.0%	15.4%	15.8%	16.2%	16.8%	17.2%	17.7%	18.1%	18.5%	19.0%
% Commercial / Industrial / Institutional - Objectives	7.8%	7.0%	8.5%	10.0%	9.8%	9.6%	9.6%	11.0%	11.3%	11.6%	11.8%	12.1%	12.5%
% Organics Recycling source separated - Objectives	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%
% Mechanical/Hand Sorted @ Res. Rec. Fac.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Problem Materials - Banned + Other	1.1%	1.3%	3.2%	3.2%	3.3%	3.4%	3.5%	3.5%	3.6%	3.7%	3.7%	3.8%	3.9%
					00 50/	00 70/	00.00/	04 00/	00 40/	00.00/	00 70/	0.4 50/	2E 40/
Total Recycling Percentages (Actual)	23.5%	20.4%	24.0%	28.2%	28.5%	28.7%	29.2%	31.3%	32.1%	32.9%	33.7%	34.5%	35.4%

tion LF's for Co's MSW; Facility Type, & Locati													
SOURCE RECOVERY FACI	LITY 1	from th	ne Cou	ınty									
										Г			
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-		-	-	-	-	-		-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Tipped MSW at RR Facilities	_	_	_	_	_	_	_	_	_	_	_	_	
Total Mechanical or Hand Materials Recycling at RR	_	_	_	_	_	_	_	_	_	_	_	_	
Total Non-Processable MSW & Bypass MSW - tons	_	_	_	_	_			_	_	_	_	_	
Total Non-Troccssable more a Dypass more - tolls													
otal Co MSW to RES REC Fac Combustor - tons	-	-	-	-	-	-	-	-	-	-	-	-	
% of Total MSW to WTE Combustor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
/ Imported to Resource Reco													
imported to Resource Reco	very i	acility	located	WILLIIII	Naman	ec co.		ilei Co	unities	_			
	-	-	-	-	-	-	-	-	-	- L	-	-	
Total Imported MSW Tipped at Co RR Fac - tons	-	-	-	-	_	-	-	-	-	_	-	_	
Mechanical or Hand Materials Recycling at RR	-	=	-	-	=	-	-	-	-	=	-	-	
Imported MSW Non-Processable MSW & Bypass MSW - %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	=	-	-	-	-	-	-	-	-	-	
Total Imported MSW to WTE Combustor - tons	-	-	-	•	-	-	-	•	•	-	-	-	
otal MSW Tipped at Co RR Fac - All Co's - tons		-	-	-	-	-	-	-	-	-	-	-	
Total ALL MSW into WTE Combustor - tons	-	-	-	-	-	-	-	-	-	-	-	-	
													T

	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2020	<u>2021</u>	2022	2023	2024	2025
LANDFILL Destinations for C	ountv	MSW											
			PLACE ASS	UMPTIONS for			abec County				_		
				Cover Material		ediate & final	15% 1,775			Cover Material	% use - Interme	ediate & final	15% 1,775
				MSW In-Place Dens n-Place Waste Dens		-		s/cubic yard s/cubic yard in-plac	ce			-	1,775
Oncorto MONGarana Assallable for London Disconnel	7040	7.705	7 000	7.000	7.000	7.000	7.075	0.005	0.007	0.000	0.000	0.704	0.004
County MSW tons <u>Available</u> for Landfill Disposal	7,249	7,705	7,392	7,009	7,039	7,069	7,075	6,905	6,867	6,836	6,802	6,764	6,684
Minnesota Landfills													
East Central Solid Waste Commission Out-of-State Landfills	7,249	7,705	7,392	7,009	7,039	7,069	7,075	6,905	6,867	6,836	6,802	6,764	6,684
Out-or-State Earldrills		0	0	0	0	0	_	_	_		0	0	_
"CHECK TONS to LF"-this # must match LF tons AVAILABLE	7,249	7,705	7,392	7,009	7,039	7,069	7,075	6,905	6,867	6,836	6,802	6,764	6,684
Abbreviation for primary landfill in county =	ECSWC		•	•	•		-		-		•		
MSW Imported to a Landfill Id	ocated	within	Kana	ibec Co	o. from	Other	Count	ies					
Chisago County	23,570	24,624	24,267	24,384	24,695	24,994	25,347	25,696	25,041	25,076	25,088	25,173	25,556
Isanti County	23,904	24,770	24,769	25,156	25,561	26,172	26,535	26,897	27,188	27,495	27,692	28,050	28,333
Mille Lacs County	8,824	4,174	3,834	3,788	3,797	3,901	3,864	3,822	3,786	3,748	3,733	3,673	3,638
Pine County	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,933
Aitkin County	9,688	9,896	9,779	9,755	9,744	9,578	9,424	9,252	9,091	8,919	8,291	8,349	8,407
Total MN MSW Imported to the Co. Landfill Out-of-State MSW Imported to LF in the County	82,522	82,841	82,147	82,823	83,943	85,659	86,508	87,328	87,035	87,435	87,157	87,836	88,867
Other State MSW		_	_	_	-	_	_	_	_	_	_	_	_
ALL MSW Imported to the LF in the Co.	82,522	82,841	82,147	82,823	83,943	85,659	86,508	87,328	87,035	87,435	87,157	87,836	88,867
East Central Solid Waste Commission Remaining MPCA Permitt	352,149	cubic yards											
WTE Residue & Ash Disposal in Asl	h Calle	of D/D Ac	sh Land	Afill to	20								
•		0.0%				0.00/	0.00/	0.00/	0.00/	0.00/	0.00/	0.00/	0.00/
Percent WET WTE Ash to Disposal WTE Ash Disposal Tons to Ash Cells in County	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Resource Recovery Facility Reject Residue (non-MSW)		-	-	-	-	-	-	-	_	-	-	-	-
Total WTE ASH & WTE Procdessing residue -tons		_	_	_	_	_	_	_	_	_	_	_	_
Total All Solid Waste to Landfills	89,771	90,546	89,539	89,832	90,982	92,728	93,583	94,233	93,902	94,271	93,959	94,600	95,551
Construction / Demolition Waste La	<u>ndfills v</u>	<u>within th</u>	<u>e Co.</u>										
	-							in and					
Demolition Landfills				ne gate will we	•		<u> </u>						
East Cenrtal Solid Waste Commission	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182	17,182
	17,182				•		<u> </u>		17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182
East Cenrtal Solid Waste Commission total cy to C&D disposal sites	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182	17,182	, -		
East Cenrtal Solid Waste Commission	17,182 17,182	17,182 17,182	17,182 17,182	17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182 17,182	17,182	17,182	, -		

Appendix W: Mille Lacs Goal Volume Table

LF Waste Density Assumptions

Tons to LF

Cover Material % - intermediate & Final 15%

MSW Density = 1,775 | lbs/cubic yard in-place | 1,775 | lbs/cub

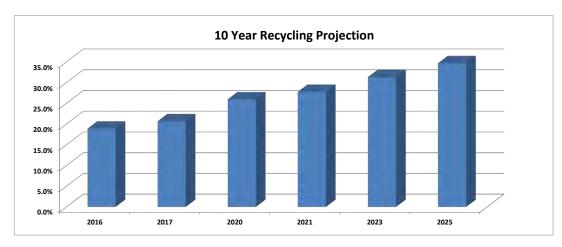
							Ir	idustriai Was	te Density=	1,775	bs/cubic yard in-	-place			
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Totals	
DESTINATION LANDFIL	LS fo	r MilleL	acs CO	's MSV	V										
	0	0	0_	0	0	0	0	0	0	0	0	0	0		
East Central Solid Waste Commission	8,824	4,174	3,834	3,788	3,797	3,901	3,864	3,822	3,786	3,748	3,733	3,673	3,638	37,750	
Elk River Sanitary LF	6,103	10,547	10,367	10,241	10,267	10,547	10,447	10,333	10,236	10,134	10,094	9,932	9,837	102,068	
Out-of State Landfills															
	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total All Co's MSW to ALL LF's - tons	14,927	14,722	14,201	14,029	14,065	14,448	14,310	14,155	14,022	13,883	13,827	13,605	13,475	139,818	
County MSW ONLY CAPACITY USE											15%	45 200	45 200	457.400	
LF's Capacity Use -All Wastes +Cover - cu yds		16,600	16,000	15,800	15,800	16,300	16,100	15,900	15,800	15,600	15,600	15,300	15,200	157,400	
LANDFILL CAPACITY US	LANDFILL CAPACITY USAGE for Landfills located WITHIN MilleLacs County														
	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10-Year Totals	
MilleLacs Co's MSW to - tons	-	-	-	-	-	-	-	-	-	-	-	-	-		
MSW IMPORTED into															
Other MSW Imported to	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0		
MN MSW Received at -tons	-	4,200	3,800	3,800	3,800	3,900	3,900	3,800	3,800	3,700	3,700	3,700	3,600	37,700	
Out-of-State MSW to Landfill in Co tons	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total MSW to LF in the County - tons	-	4,200	3,800	3,800	3,800	3,900	3,900	3,800	3,800	3,700	3,700	3,700	3,600	37,700	
Industrial & other Non-MSW Waste to LF cells - tons	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Solid Waste to	-	4,200	3,800	3,800	3,800	3,900	3,900	3,800	3,800	3,700	3,700	3,700	3.600	37,700	

Total Cubic Yard Capacity Use at the - MSW + Ind. W. + cover

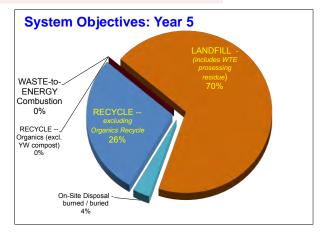
													M	SW to LF CY
TOTAL ALL MSW TO - cu yds	-	4,700	4,300	4,300	4,300	4,400	4,400	4,300	4,300	4,200	4,200	4,100	4,100	42,500
Industrial Waste (IW) to - cu yds	-	-		-	-	-	-	-	-	-	-	-	-	
ALL Solid Waste + Cover - Cu Yds In-Place	-	5,400	5,000	4,900 _	4,900	5,100	5,000	5,000	4,900	4,900	4,800	4,800	4,700	48,900
Grand Total LF Capacity Use - cu yds							LANDFILI	GRAND	TOTAL 1	0yr Soli	d Waste C	apacity Us	Se - cu yds	48900
				_										

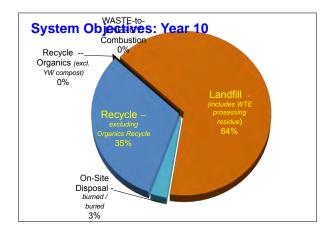
for the MilleLacs County Solid Waste Management Plan

	2012	<u> 2016</u>	<u> 2017</u>	<u> 2020</u>	<u> 2021</u>	<u> 2023</u>	<u> 2025</u>
Planning Year #		Planning Yr 1	Planning Yr 2	Planning Yr 5	Planning Yr 6	Planning Yr 8	Planning Yr 10
MANAGEMENT METHOD OBJECTIVE	S for the	County MS	W Solid Wa	aste Manag	ement Syst	em	
Source Reduction							
RECYCLE excluding Organics Recycle	9.3%	18.9%	20.6%	25.9%	27.7%	31.3%	34.6%
RECYCLE Organics (excl. YW compost)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WASTE-to-ENERGY Combustion	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
LANDFILL -(includes WTE prosessing residue)	81.4%	73.1%	72.3%	69.9%	68.4%	65.7%	63.9%
On-Site Disposal - burned / buried	9.3%	8.0%	7.0%	4.1%	3.2%	3.0%	2.9%









Appendix W - MilleLacs Co's GVT PCA													
	BASE YR												
	MilleLacs												
	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
•				Plan Yr #1	Plan Yr #2	Plan Yr #3	Plan Yr #4	Plan Yr #5	Plan Yr #6	Plan Yr #7	Plan Yr #8	Plan Yr #9	Plan Yr #10
Population / MSW Change / yr State Demographer data		2.141%	1.046%	1.402%	1.379%	1.364%	1.342%	1.328%	1.321%	1.290%	1.277%	1.261%	1.284%
Population for Year 2012	26,667	27,238	27,523	27,909	28,294	28,680	29,065	29,451	29,840	30,225	30,611	30,997	31,395
Persons per Household (St.Demographer data)	2.52												
Commercial /Industrial /Institutional waste % of MSW	35%												
Lbs / Capita / day MSW gen. for On-Site-Disposal (MPCA #)	2.3	lbs / person / day					_						
Population using On-Site Disposal of MSW	4,062	4,062	4,062	3,650	3,237	2,000	2,000	2,000	1,900	1,800	1,500	1,600	1,500
Population % using On-Site Disposal	15.23%	14.91%	14.76%	13.08%	11.44%	6.97%	6.88%	6.79%	6.37%	5.96%	4.90%	5.16%	4.78%
	40.000												
Calculated Total MSW Generated	18,329	18,721	18,917	19,182	19,447	19,712	19,977	20,242	20,509	20,774	21,039	21,304	21,578
ON-SITE-DISPOSAL - tons	1,705	1,705	1,705	1,532	1,359	840	840	840	798	756	630	672	630
includes Problem Materials Not Recycled				· ·									
RECYCLING - tons & Percent Objectives													
Residential	1,636	1,872	2,062	2.281	2.410	2,543	2,577	2,611	2.687	2.763	2.924	2,983	3,021
Commercial/Industrial/Institutional (documented)	1,030	1,672 295	695	2,261 959	2,410 1.232	2,543 1,501	1,869	2,011	2,563	2,763	2,924 3.130	2,963 3.473	3,837
Organics Recycling (source separated+food-to-people & livestock)	-				, -	,,,,,	,,,,,,	, -	,,,,,	,,,,,	, , , ,		-,
Mechanical/Hand Sorted @ Resource Recovery Facility	-	-	-	-	-	-	-	-	-	-	-	-	-
Problem Materials - Banned + Other Recycled	59	127	254	381	381	381	381	400	440	484	678	746	821
RECYCLING TOTAL tons	1,695	2,294	3,011	3,621	4,023	4,425	4,827	5,248	5,690	6,136	6,732	7,202	7,679
				Yr 1				Yr 5					Yr 10
% Residential Recycling - Objectives	8.9%	10.0%	10.9%	11.9%	12.4%	12.9%	12.9%	12.9%	13.1%	13.3%	13.9%	14.0%	14.0%
% Commercial / Industrial / Institutional - Objectives	0.0%	1.6%	3.7%	5.0%	6.3%	7.6%	9.4%	11.1%	12.5%	13.9%	14.9%	16.3%	17.8%
% Organics Recycling source separated - Objectives	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%
% Mechanical/Hand Sorted @ Res. Rec. Fac.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Problem Materials - Banned + Other Total Proceeding Percentages (Actual)	0.3% 9.2%	0.7% 12.2%	1.3% 15.9%	2.0% 18.9%	2.0% 20.6%	1.9% 22.4%	1.9% 24.2%	2.0% 25.9%	2.1% 27.7%	2.3% 29.5%	3.2% 32.0%	3.5% 33.8%	3.8% 35.6%
Total Recycling Percentages (Actual)	9.2%	12.270	13.9%	10.9%	20.0%	22.470	24.270	23.9%	21.170	29.5%	32.0%	33.6%	33.0%

Calculated MSW AVAILABLE FOR Resource Rec. + LF

14,927

14,722

14,201

14,029

14,065

14,448

14,310

14,155

14,022

13,883

13,827

13,605

13,475

	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>20</u>
ation LF's for Co's MSW; Facility Type, & Locat													
SOURCE RECOVERY FAC	LITY	from th	ne Cou	nty									
										_			
	-	-	-	-	-	-	-	-	-	-	-	-	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	_		-	-	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	0.078	0.078	0.078	0.078	0.076	0.078	-	0.076	0.0%	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
,													
Total Tipped MSW at RR Facilities	-	-	-	-	-	-	-	-	-	-	-	-	
Total Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	
Total Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Co MSW to RES REC Fac Combustor - tons	-	-	-	-	-	-	-	-	-	-	-	-	
% of Total MSW to WTE Combustor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	<u>2012</u>	2014	2015	2016	<u>2017</u>	2018	2019	2020	<u>2021</u>	2022	2023	2024	20
W Imported to Resource Reco	overv l	Facility	located	d withir	MilleL	acs Co.	from C	ther Co	ounties				
· ·	-	-	- [- [-	-	-	-	-	- [-	-	
Total Imported MSW Tipped at Co RR Fac - tons	-	-	-	-	-	-	-	-	-		-		
Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	
Imported MSW Non-Processable MSW & Bypass MSW - %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Imported MSW to WTE Combustor - tons	-	-	-	-	-	-	-	-	-	-	-		
Total MONEThursday On DD For All Only Asset		-		-	-	-	-	-	-	-	-	-	
Total MSW Tipped at Co RR Fac - All Co's - tons													

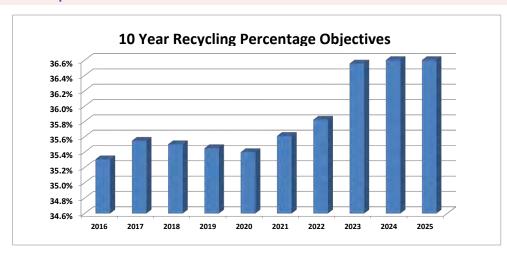
	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
ANDFILL Destinations for C	ounty	MSW											
	LANDFILL C	OMPACTED IN	I-PLACE ASS		landfills locate					O Matarial	0/		4.50/
			Λ.	Cover Materiai ISW In-Place Densi	% use - Interme	ediate & finai	15% 1,775 lbs	s/cubic yard		Cover Material	% use - <i>interm</i> e	ediate & final	15% 1,77
				-Place Waste Dens		<u> </u>		s/cubic yard in-plac	e				1,77
County MSW tons <u>Available</u> for Landfill Disposal	14,927	14,722	14,201	14,029	14,065	14,448	14,310	14,155	14,022	13,883	13,827	13,605	13,47
linnesota Landfills													
ast Central Solid Waste Commission	8,824	4,174	3,834	3,788	3,797	3,901	3,864	3,822	3,786	3,748	3,733	3,673	3,
k River Sanitary LF	6,103	10,547	10,367	10,241	10,267	10,547	10,447	10,333	10,236	10,134	10,094	9,932	9,
ut-of-State Landfills					•								
	0	0	0	0	0	0	-	-	-	-	0	0	-
CHECK TONS to LF"-this # must match LF tons AVAILABLE	14,927	14,722	14,201	14,029	14,065	14,448	14,310	14,155	14,022	13,883	13,827	13,605	13,47
Abbreviation for primary landfill in county =													
MSW Imported to a Landfill Id	ocated	within	Millel	acs Co	ງ. from	Other	· Count	ies					
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total MN MSW Imported to the Co. Landfill	-	-	-	-	-	-	-	-	-	-	-	-	
out-of-State MSW Imported to LF in the County				_						_			
other State MSW	-	-	-	-	-	-	-	-	-	- L	-	-	-
ALL MSW Imported to the LF in the Co. Remaining MPCA Permitted Capacity - cy		-	-	-	-	-	-	-	-	-	-	-	-
Remaining wifeA Fermitted Capacity - Cy	-	cubic yards											
NTE Residue & Ash Disposal in As	h Cells	at P/D A	sh Lan	dfill - to	ns								
Percent WET WTE Ash to Disposal	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.
WTE Ash Disposal Tons to Ash Cells in County	-	-	-	-	-	-	-	-	-			-	-
Resource Recovery Facility Reject Residue (non-MSW)		-	-	-	-	-	-	-	-	-	-	-	-
Total WTE ASH & WTE Procdessing residue -tons	-	-	-	-	-	-	-	-	-	-	-	-	-
T . I A !! O !! I !!!													
Total All Solid Waste to Landfills	14,927	14,722	14,201	14,029	14,065	14,448	14,310	14,155	14,022	13,883	13,827	13,605	13,47
			_										
Construction / Demolition Waste La	<u>andfills v</u>	<u>within th</u>	<u>ne Co.</u>										
	_												
Demolition Landfills	Note: ty	pically C&D r	eceived at th	e gate will weig	jh approximate	ely 460 pound	ds per cubic ya	rd					
		1,522	1,522	1,522	1,522	1,522	1,522	1,522	1,522	1,522	1,522	1,522	1,52
lk River Landfill, Sherburne County	1,522					4 000	1,900	1,900	1,900	1,900	1,900	1,900	1,90
lk River Landfill, Sherburne County CSWC, Kanabec County	-	1,680	1,860	1,900	1,900	1,900							
lk River Landfill, Sherburne County	-		1,860 3,382	1,900 3,422	1,900 3,422	3,422	3,422	3,422	3,422	3,422	3,422	3,422	
lk River Landfill, Sherburne County CSWC, Kanabec County total cy to C&D disposal sites	- 1,522	1,680											
lk River Landfill, Sherburne County CSWC, Kanabec County	- 1,522	1,680 3,202	3,382	3,422	3,422	3,422		3,422	3,422	3,422			3,4

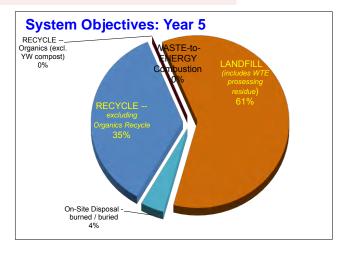
Appendix X: Pine Goal Volume Table

		10	Year Total	S										
Pine Co MSW t	o ALL L	andfills.	- ,	tons										
Pine Co MSW Capacity Us	e at ALL	Landfills	243,200	cubic yards cor	mpacted in-plac	ce								
		-		tons to LF withi	n the County									
Pine County MSW to Out-o	f-State I	Landfills		tons										
		-	•	tons to LF in the										
		-	,	Cubic Yards to	LF in the Coun	ity								
		-		tons										
		-[215,800	tons					LF Waste Den		tions			
			270 000				Cover Ma	terial % - interr		15%				
		-	279,800	cubic yards cor	mpacted in-plac	ce	li	MS ndustrial Was	W Density =		bs/cubic yard in lbs/cubic yard in	•		
									, _					
-	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	10Yr Totals
DESTINATION LANDFILI	LS fo	r Pine	CO's MS	W										
	0	0	0	0	0	0	0	0	0	0	0	0	0	
East Central Solid Waste Commission	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,933	215,902
Out-of State Landfills	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total All Co's MSW to ALL LF's - tons	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,933	215,902
County MSW ONLY CAPACITY USE					Waste - cu					, ,	15%	,	,	7,2 2
LF's Capacity Use -All Wastes +Cover - cu yds	18,600	21,800	22,000	22,200	22,700	23,700	24,000	24,400	24,700	25,000	25,200	25,500	25,800	243,200
				•	,	20,100	_ :,000	,	_ :,: ••					,
LANDFILL CAPACITY US	SAGE	for La	andfills lo	ocated	,		e Coui		,					,
LANDFILL CAPACITY US	2012	for La 2014	andfills lo 2015	ocated 2016	,				2021	2022	2023	2024	2025	,
Pine Co's MSW to - tons					WITH	IN Pin	e Coui	nty	·		Í	,	,	- 10,-10
Pine Co's MSW to - tons MSW IMPORTED into	2012	2014	2015	2016	WITH 2017	IN Pin 2018	2019	2020	2021	2022	2023	2024	2025	
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to		2014 - 0	2015 - 0	2016	2017 - 0	2018 - 0	2019	2020 - 0	2021	2022	2023	2024	2025	
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons	2012	2014	2015	2016	WITH 2017	IN Pin 2018	2019	2020	2021	2022	2023	2024	2025	215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to	2012	2014 - 0	2015 - 0	2016	2017 - 0	2018 - 0	2019	2020 - 0	2021	2022	2023	2024	2025	
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons	2012	2014 - 0	2015 - 0	2016	2017 - 0	2018 - 0	2019	2020 - 0	2021	2022	2023	2024	2025	
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons	2012 - 0	2014 - 0 19,400	2015 - 0 19,500	2016 - 0 19,700	2017 - 0 20,100	2018 0 21,000	2019 0 21,300	2020 - 0 21,700	2021	2022	2023	2024	2025	215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons	2012 - 0	2014 0 19,400 - 19,400 -	2015 - 0 19,500 - 19,500	2016 - 0 19,700 - 19,700	0 20,100 - 20,100	2018 - 0 21,000 - 21,000	2019 0 21,300 - 21,300	0 21,700 - 21,700	2021 0 21,900 - 21,900	2022 0 22,200 - 22,200	2023 0 22,400 - 22,400	2024 0 22,600 - 22,600	2025 0 22,900 - 22,900	215,800 215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons	2012 - 0	2014 - 0 19,400	2015 - 0 19,500	2016 - 0 19,700	2017 - 0 20,100	2018 0 21,000	2019 0 21,300	2020 - 0 21,700	2021	2022	2023	2024	2025	215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons	2012 0 -	2014 0 19,400 - 19,400 - 19,400	2015 - 0 19,500 - 19,500	2016 0 19,700 - 19,700	2017 0 20,100 - 20,100 - 20,100	2018 0 21,000 - 21,000	2019 0 21,300 - 21,300	0 21,700 - 21,700	2021 0 21,900 - 21,900	2022 0 22,200 - 22,200	2023 0 22,400 - 22,400	2024 0 22,600 - 22,600	2025 0 22,900 - 22,900	215,800 215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to	2012 0 -	2014 0 19,400 - 19,400 - 19,400	2015 - 0 19,500 - 19,500	2016 0 19,700 - 19,700	2017 0 20,100 - 20,100 - 20,100	2018 0 21,000 - 21,000	2019 0 21,300 - 21,300	0 21,700 - 21,700	2021 0 21,900 - 21,900	2022 0 22,200 - 22,200	2023 0 22,400 - 22,400	2024 0 22,600 - 22,600	2025 0 22,900 - 22,900	215,800 215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds Industrial Waste (IW) to - cu yds	2012 0 -	2014 0 19,400 - 19,400 - 19,400 at the -	2015 - 0 19,500 - 19,500 - 19,500 - MSW + I	2016 - 0 19,700 - 19,700 - 19,700 nd. W.	2017 0 20,100 - 20,100 + COVE	2018 0 21,000 - 21,000	2019 - 0 21,300 - 21,300 - 21,300	0 21,700 - 21,700	2021 0 21,900 - 21,900 - 21,900	2022 0 22,200 - 22,200 - 22,200	2023 0 22,400 - 22,400 - 22,400	2024 - 0 22,600 - 22,600 - 22,600	2025 0 22,900 - 22,900	215,800 215,800 215,800 243,200
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds	2012 0 -	2014 0 19,400 - 19,400 - 19,400 at the -	2015 - 0 19,500 - 19,500 - 19,500 MSW +	2016 0 19,700 - 19,700 - 19,700 nd. W.	2017 0 20,100 - 20,100 + COVE	2018 0 21,000 - 21,000 - 21,000	2019 - 0 21,300 - 21,300 - 21,300	0 21,700 - 21,700 - 21,700	2021 0 21,900 - 21,900 - 21,900	2022 - 0 22,200 - 22,200 - 22,200	2023 0 22,400 - 22,400 - 22,400	2024 - 0 22,600 - 22,600 - 22,600	2025 0 22,900 - 22,900 - 22,900	215,800 215,800 215,800
Pine Co's MSW to - tons MSW IMPORTED into Other MSW Imported to MN MSW Received at -tons Out-of-State MSW to Landfill in Co tons Total MSW to LF in the County - tons Industrial & other Non-MSW Waste to LF cells - tons Total Solid Waste to Total Cubic Yard Capacity TOTAL ALL MSW TO - cu yds Industrial Waste (IW) to - cu yds	2012 0 -	2014 - 0 19,400 - 19,400 - 19,400 at the - 21,800	2015 - 0 19,500 - 19,500 - 19,500 - 22,000	2016 - 0 19,700 - 19,700 - 19,700 nd. W.	2017 0 20,100 20,100 + COVE	2018 0 21,000 21,000 - 21,000 r	2019 - 0 21,300 - 21,300 - 21,300 - 21,300 - 27,600	0 21,700 - 21,700 - 21,700 - 21,700	2021 0 21,900 - 21,900 - 21,900 - 24,700 - 28,400	2022 0 22,200 - 22,200 - 22,200 - 22,200 - 22,800 - 28,800	2023 0 22,400 - 22,400 - 22,400 - 25,200 - 29,000	2024 0 22,600 - 22,600 - 22,600	2025 0 22,900 - 22,900 - 22,900	215,800 215,800 215,800 243,200

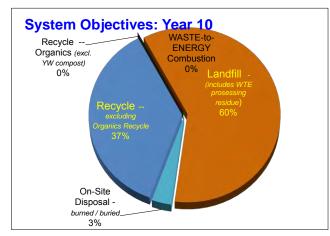
for the Pine County Solid Waste Management Plan

	2012	<u> 2016</u>	<u> 2018</u>	<u> 2020</u>	<u> 2023</u>	<u> 2025</u>	
Planning Year #		Planning Yr 1	Planning Yr 3	Planning Yr 5	Planning Yr 8	Planning Yr 10	
MANAGEMENT METHOD OBJECTIV	ES for the	County MS	W Solid W	aste Manag	jement Sy	stem	
Source Reduction							
RECYCLE excluding Organics Recycle	41.1%	35.3%	35.5%	35.4%	36.6%	36.6%	
RECYCLE Organics (excl. YW compost)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
WASTE-to-ENERGY Combustion	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
LANDFILL -(includes WTE prosessing residue)	51.5%	58.2%	58.2%	60.5%	60.1%	60.1%	
On-Site Disposal - burned / buried	7.4%	6.5%	4.2%	4.1%	3.4%	3.3%	









Appendix X - Pine Co's GVT PCA													
	BASE YR												
	Pine		_										
	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
				Plan Yr #1	Plan Yr #2	Plan Yr #3	Plan Yr #4	Plan Yr #5	Plan Yr #6	Plan Yr #7	Plan Yr #8	Plan Yr #9	Plan Yr #10
Population / MSW Change / yr State Demographer data		2.775%	1.351%	1.415%	1.395%	1.373%	1.357%	1.339%	1.304%	1.302%	1.288%	1.271%	1.186%
Population for Year 2012	30,599	31,448	31,873	32,324	32,775	33,225	33,676	34,127	34,572	35,022	35,473	35,924	36,350
Persons per Household (St.Demographer data)	2.46												
Commercial /Industrial /Institutional waste % of MSW	27%												
Lbs / Capita / day MSW gen. for On-Site-Disposal (MPCA #)	2.3	lbs / person / da	у										
Population using On-Site Disposal of MSW	5,679	5,679	5,679	5,243	4,807	3,500	3,500	3,500	3,400	3,300	3,000	3,100	3,000
Population % using On-Site Disposal	18.56%	18.06%	17.82%	16.22%	14.67%	10.53%	10.39%	10.26%	9.83%	9.42%	8.46%	8.63%	8.25%
Calculated Total MSW Generated	32,104	32,995	33,441	33,914	34,387	34,859	35,332	35,805	36,272	36,744	37,217	37,690	38,137
ON-SITE-DISPOSAL - tons	2,384	2,384	2,384	2,201	2,018	1,469	1,469	1,469	1,427	1,385	1,259	1,301	1,259
RECYCLING - tons & Percent Objectives													
Residential	2,796	2,970	3,244	3,663	3,817	3,974	4,028	4,082	4,229	4,380	4,727	4,824	4,882
Commercial/Industrial/Institutional (documented) Organics Recycling (source separated+food-to-people & livestock)	7,722	6,665 -	6,755 -	6,851 -	6,946 -	7,042 -	7,137 -	7,233 -	7,327 -	7,422 -	7,518 -	7,613 -	7,704 -
Mechanical/Hand Sorted @ Resource Recovery Facility	-	-	_	_	-	_	_	_	_	_	-	_	
Problem Materials - Banned + Other Recycled	2,666	1,600	1,560	1,460	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
RECYCLING TOTAL tons	13,184	11,235	11,559	11,973	12,123	12,375	12,525	12,674	12,916	13,162	13,604	13,798	13,945
				Yr 1				Yr 5					Yr 10
% Residential Recycling - Objectives	8.7%	9.0%	9.7%	10.8%	11.1%	11.4%	11.4%	11.4%	11.7%	11.9%	12.7%	12.8%	12.8%
% Commercial / Industrial / Institutional - Objectives	24.1%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%	20.2%
% Organics Recycling source separated - Objectives	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%
% Mechanical/Hand Sorted @ Res. Rec. Fac.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% Problem Materials - Banned + Other	8.3%	4.8%	4.7%	4.3%	4.2%	4.0%	3.8%	3.8%	3.7%	3.7%	3.7%	3.6%	3.6%
Total Recycling Percentages (Actual)	41.1%	34.0%	34.6%	35.3%	35.5%	35.6%	35.4%	35.4%	35.6%	35.8%	36.6%	36.6%	36.6%
Calculated MSW AVAILABLE FOR Resource Rec. + LF	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,933

nation LF's for Co's MSW; Facility Type, & Locati	2012	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
		from	the C	ounts.									
SOURCE RECOVERY FACI	LIII	ITOIII	the C	ounty									
% Mechanical or Hand Materials Recycling to RR	- 0.0%	- 0.00/	0.0%	0.0%	0.0%	- 0.0%	- 000	- 0.0%	- 0.0%	0.0%	0.0%	- 0.00/	
Mechanical or Hand Materials Recycling to RR - tons	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	0.078 -	-	-	-	0.078	-	0.078	-	-	-	-	0.078	
Note: Focessable more a bypass more - tons	_	_	_	_	-	-	_	_	_	_	_	_	
% Mechanical or Hand Materials Recycling to RR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mechanical or Hand Materials Recycling to RR - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Processable MSW & Bypass MSW %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Tipped MSW at RR Facilities	-	-	-	-	-	-	-	-	-	-	-	-	
Total Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	_	-	
Total Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Co MSW to RES REC Fac Combustor - tons	-	-	-	-	-	-	-	-	-	-	-	-	
% of Total MSW to WTE Combustor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>202</u>
W Imported to Resource Reco	overy F	acilit	y loca	ted wit	hin Pine	Co. fr	om Oth	er Cou	nties				
·	-	-	- [-	-	-	-	-	-	-	-	- [
Total Imported MSW Tipped at Co RR Fac - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Mechanical or Hand Materials Recycling at RR	-	-	-	-	-	-	-	-	-	-	-	-	
Imported MSW Non-Processable MSW & Bypass MSW - %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Non-Processable MSW & Bypass MSW - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total Imported MSW to WTE Combustor - tons	-	-	-	-	-	-	-	-	-	•	-	•	
Total MSW Tipped at Co RR Fac - All Co's - tons	-	-	-	-	-	-	-	-	-	-	-	-	
Total ALL MSW into WTE Combustor - tons													

	<u>2012</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
ANDFILL Destinations for Co	ounty	MSW											
				ASSUMPTION	IS for landfills I	ocated within I	Pine County						
					l % use - Interm		15%			Cover Material	% use - <i>Interme</i>	ediate & final	15%
			M	SW In-Place Dens	sity Assumption =			bs/cubic yard					1,
			Industrial In-	-Place Waste Den	nsity Assumption=		1,775 II	bs/cubic yard in-plac	re				1,
County MSW tons <u>Available</u> for Landfill Disposal	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22,
nnesota Landfills													
Central Solid Waste Commission	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	
t-of-State Landfills													
	0	0	0	0	0	0	-	-	-	-	0	0	
HECK TONS to LF" -this # must match LF tons AVAILABLE	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22
Abbreviation for primary landfill in county =													
						41 0	4.1						
ISW Imported to a Landfill lo	cated	with	ın Pın	e Co.	trom O	ther Co	ounties	S					
	-	-	- [-	-	-	-	-		-	-	-	
Total MN MSW Imported to the Co. Landfill	-	-	-	-	-	-	-	-		-	-	-	
t-of-State MSW Imported to LF in the County													
her State MSW	-	-	-	-	-	-	-	-	-	-	-	-	
ALL MSW Imported to the LF in the Co.	-		-	-	-	-	-		-	-	-	-	
emaining MPCA Permitted Capacity - cy	-	cubic yards											
TE Residue & Ash Disposal in Ash	Calle :	at P/D	Ach I a	ndfill -	tone								
Percent WET WTE Ash to Disposal	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	
WTE Ash Disposal Tons to Ash Cells in County	-	-	-	-	-	-	-	0.070	_	-	-	-	
Resource Recovery Facility Reject Residue (non-MSW)	-	-	-	-	-	-	_		-	-	-	-	
Total WTE ASH & WTE Procdessing residue -tons	-	-	-	-	-	-	-		-	-	-	-	
Total All Solid Waste to Landfills	16,536	19,377	19,498	19,740	20,146	21,014	21,338	21,661	21,929	22,197	22,353	22,591	22
	,	ŕ	, , ,	•	·	•		•	•	•	,	•	·
onstruction / Demolition Waste Lar	ndfills v	vithin '	the Co.	•									
emolition Landfills	Note: ty	pically C&I	D received a	at the gate wi	ll weigh approx	rimately 460 p	ounds per cul	bic yard					
st Central Solid Waste - Kanabec	312	350	350	350	350	350	350	350	350	350	350	350	
V Landfill - Chisago	600	600	600	600	600	600	600	600	600	600	600	600	
total cy to C&D disposal sites	912	950	950	950	950	950	950	950	950	950	950	950	
111/													
ard Waste - received at YW sites in Cou	<u>ınty</u>		Note: Yard V	Vaste cubic ya	ord / tonnages ar	e not included a	s part of the co	ounty MSW gene	eration tonnage	e total			
ere are no Yard Waste sites in Pine county		-	_	_	_	_	_	_	_	_ [-	_	

Appendix Y: ECSWC and County Budgets

- 1. East Central Solid Waste Commission Budget
- 2. Chisago County Solid Waste Budget
- 3. Isanti County Solid Waste Budget
- 4. Kanabec County Solid Waste Budget
- 5. Mille Lacs County Solid Waste Budget
- 6. Pine County Solid Waste Budget

Appendix Y6- Pine County Itemized Solid Waste Budget 2016-2025

R	e	v	e	n	u	es	:

Nevenues										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
General Fund	\$96,910	\$97,879	\$98,857	\$99,846	\$100,844	\$101,853	\$102,871	\$103,900	\$104,939	\$105,988
SCORE	\$75,203	\$75,955	\$76,714	\$77,481	\$78,256	\$79,039	\$79,829	\$80,627	\$81,434	\$82,248
Household Hazardous Waste	\$1,168	\$1,180	\$1,192	\$1,204	\$1,216	\$1,228	\$1,240	\$1,253	\$1,265	\$1,278
License Fees	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800
Landfill Disposal Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$176,081	\$177,813	\$179,564	\$181,331	\$183,116	\$184,920	\$186,741	\$188,580	\$190,438	\$192,314
Expenditures										
Reduction	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Education	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Recycling	\$108,207	\$108,748	\$109,292	\$109,838	\$110,387	\$110,939	\$111,494	\$112,052	\$112,612	\$113,175
Mattress	\$2,744	\$2,758	\$2,772	\$2,785	\$2,799	\$2,813	\$2,827	\$2,841	\$2,856	\$2,870
Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Organic	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Tires	\$4,898	\$4,922	\$4,947	\$4,972	\$4,997	\$5,022	\$5,047	\$5,072	\$5,097	\$5,123
Appliance	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Oil	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste	\$8,081	\$8,121	\$8,162	\$8,203	\$8,244	\$8,285	\$8,326	\$8,368	\$8,410	\$8,452
Battery	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Demolition	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ordinance	\$23,389	\$23,506	\$23,623	\$23,742	\$23,860	\$23,980	\$24,099	\$24,220	\$24,341	\$24,463
Electronic	\$2,216	\$2,227	\$2,238	\$2,249	\$2,261	\$2,272	\$2,283	\$2,295	\$2,306	\$2,318
Staffing	\$23,389	\$23,506	\$23,623	\$23,742	\$23,860	\$23,980	\$24,099	\$24,220	\$24,341	\$24,463
On-Site	\$926	\$931	\$935	\$940	\$945	\$949	\$954	\$959	\$964	\$969
Total Expenditures	\$175,650	\$176,528	\$177,411	\$178,298	\$179,189	\$180,085	\$180,986	\$181,891	\$182,800	\$183,714
NET COSTS	\$431	\$1,285	\$2,153	\$3,033	\$3,927	\$4,834	\$5,755	\$6,689	\$7,638	\$8,600
Projected Population	32,324	32,775	33,225	33,676	34,127	34,572	35,022	35,473	35,924	36,350
Projected cost per person	\$5.43	\$5.39	\$5.34	\$5.29	\$5.25	\$5.21	\$5.17	\$5.13	\$5.09	\$5.05
Projected cost per household	\$13.37	\$13.25	\$13.14	\$13.02	\$12.92	\$12.81	\$12.71	\$12.61	\$12.52	\$12.43
Projected cost per ton	\$5.18	\$5.13	\$5.09	\$5.05	\$5.00	\$4.96	\$4.93	\$4.89	\$4.85	\$4.82

Appendix Y5 - Mille Lacs County Itemized Solid Waste Budget 2016-2025

D	۵,	10	n		es	
к	e١	/e	n	u	es	

Nevellues										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
General Fund	\$31,011	\$31,321	\$31,634	\$31,951	\$32,270	\$32,593	\$32,919	\$33,248	\$33,581	\$33,916
SCORE	\$65,964	\$66,624	\$67,290	\$67,963	\$68,642	\$69,329	\$70,022	\$70,722	\$71,430	\$72,144
Household Hazardous Waste	\$2,576	\$2,602	\$2,628	\$2,654	\$2,680	\$2,707	\$2,734	\$2,762	\$2,789	\$2,817
License Fees	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Landfill Disposal Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$101,551	\$102,546	\$103,552	\$104,567	\$105,593	\$106,629	\$107,675	\$108,732	\$109,799	\$110,877
Expenditures										
Reduction	\$7,500	\$7,538	\$7,575	\$7,613	\$7,651	\$7,689	\$7,728	\$7,766	\$7,805	\$7,844
Education	\$5,000	\$5,025	\$5,050	\$5,075	\$5,101	\$5,126	\$5,152	\$5,178	\$5,204	\$5,230
Recycling	\$57,904	\$58,194	\$58,484	\$58,777	\$59,071	\$59,366	\$59,663	\$59,961	\$60,261	\$60,562
Mattress	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Organic	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Tires	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Appliance	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Oil	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Household Hazardous Waste	\$23,444	\$23,561	\$23,679	\$23,797	\$23,916	\$24,036	\$24,156	\$24,277	\$24,398	\$24,520
Battery	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Demolition	\$250	\$251	\$253	\$254	\$255	\$256	\$258	\$259	\$260	\$261
Ordinance	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Electronic	\$816	\$820	\$824	\$828	\$832	\$837	\$841	\$845	\$849	\$853
Staffing	\$5,950	\$5,980	\$6,010	\$6,040	\$6,070	\$6,100	\$6,131	\$6,161	\$6,192	\$6,223
On-Site	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Total Expenditures	\$105,964	\$106,494	\$107,026	\$107,561	\$108,099	\$108,640	\$109,183	\$109,729	\$110,277	\$110,829
NET COSTS	Ć4 412	-\$3,948	¢2.475	¢2.004	¢2.506	¢2.011	Ć1 F00	-\$997	-\$478	¢40
	-\$4,413	. ,	-\$3,475	-\$2,994	-\$2,506	-\$2,011	-\$1,508	•	•	\$48
Projected Population	27,909	28,294 \$3.76	28,680	29,065	29,451	29,840	30,225	30,611	30,997	31,395
Projected cost per person	\$3.80	•	\$3.73	\$3.70	\$3.67	\$3.64	\$3.61	\$3.58	\$3.56	\$3.53
Projected cost per household	\$9.57	\$9.48 \$5.48	\$9.40	\$9.33	\$9.25	\$9.17	\$9.10 \$5.26	\$9.03	\$8.97	\$8.90
Projected cost per ton	\$5.52	\$5.48	\$5.43	\$5.38	\$5.34	\$5.30	\$5.26	\$5.22	\$5.18	\$5.14

Appendix Y4 - Kanabec County Itemized Solid Waste Budget 2016-2025

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			es

Nevenues										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
General Fund	\$14,288.21	\$14,431.10	\$14,575.41	\$14,721.16	\$14,868.37	\$15,017.06	\$15,167.23	\$15,318.90	\$15,472.09	\$15,626.81
SCORE	\$57,645.34	\$58,221.79	\$58,804.01	\$59,392.05	\$59,985.97	\$60,585.83	\$61,191.69	\$61,803.61	\$62,421.64	\$63,045.86
Household Hazardous Waste	\$169.12	\$170.82	\$172.52	\$174.25	\$175.99	\$177.75	\$179.53	\$181.32	\$183.14	\$184.97
Dept of Ag / Pesticide	\$91.44	\$92.35	\$93.28	\$94.21	\$95.15	\$96.10	\$97.06	\$98.04	\$99.02	\$100.01
Landfill Disposal Fee	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Revenue	\$74,210.12	\$74,933.06	\$75,663.22	\$76,400.67	\$77,145.49	\$77,897.74	\$78,657.51	\$79,424.87	\$80,199.89	\$80,982.64
Expenditures										
Reduction	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Education	\$1,434	\$1,441	\$1,448	\$1,456	\$1,463	\$1,470	\$1,478	\$1,485	\$1,492	\$1,500
Recycling	\$44,486	\$44,708	\$44,932	\$45,157	\$45,382	\$45,609	\$45,837	\$46,067	\$46,297	\$46,528
Mattress	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Organic	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Tires	\$816	\$820	\$824	\$828	\$832	\$837	\$841	\$845	\$849	\$853
Appliance	\$816	\$820	\$824	\$828	\$832	\$837	\$841	\$845	\$849	\$853
Oil	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Household Hazardous Waste	\$3,043	\$3,058	\$3,074	\$3,089	\$3,104	\$3,120	\$3,135	\$3,151	\$3,167	\$3,183
Battery	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Demolition	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Ordinance	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Electronic	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Staffing	\$3,386	\$3,403	\$3,420	\$3,437	\$3,454	\$3,472	\$3,489	\$3,506	\$3,524	\$3,541
On-Site	\$5,000	\$5,025	\$5,050	\$5,075	\$5,101	\$5,126	\$5,152	\$5,178	\$5,204	\$5,230
Landfill Disposal Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Expenditures	\$61,781.00	\$62,089.91	\$62,400.35	\$62,712.36	\$63,025.92	\$63,341.05	\$63,657.75	\$63,976.04	\$64,295.92	\$64,617.40
NET COST	\$12,429.12	\$12,843.15	\$13,262.87	\$13,688.32	\$14,119.57	\$14,556.70	\$14,999.76	\$15,448.82	\$15,903.96	\$16 365 24
Projected Population	\$12,429.12 16,999	312,643.13 17,127	17,256	17,384	314,119.57 17,512	\$14,556.70 17,619	17,747	17,876	18,004	18,048
Projected Population Projected cost per person	\$3.63	\$3.63	\$3.62	\$3.61	\$3.60	\$3.60	\$3.59	\$3.58	\$3.57	\$3.58
Projected cost per household	\$3.03 \$8.94	\$8.92	\$8.90	\$8.87	\$8.85	\$8.84	\$8.82	\$8.80	\$8.79	\$3.36 \$8.81
Projected cost per nousenoid Projected cost per ton	\$8.94 \$5.96	\$8.92 \$5.95	\$8.90 \$5.93	\$8.87 \$5.92	\$8.85 \$5.90	\$8.84 \$5.90	\$5.88	\$8.80 \$5.87	\$5.86	\$8.81 \$5.87
riojecieu cost per ton	Ş3.90	ŞD.95	Ş 5.9 3	Ş5.9Z	Ş5.9U	Ş5.9U	٥٥.٥٥	ఫ ວ.δ/	93.80	/٥.cç

Appendix Y3 - Isanti County Itemized Solid Waste Budget 2016-2025

Revenues										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
General Fund	\$73,113	\$73,844	\$74,582	\$75,328	\$76,081	\$76,842	\$77,611	\$78,387	\$79,170	\$79,962
Solid Waste License Fee	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750
SCORE	\$95,301	\$96,254	\$97,216	\$98,189	\$99,170	\$100,162	\$101,164	\$102,175	\$103,197	\$104,229
Landfill Disposal Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste	\$1,431	\$1,446	\$1,460	\$1,475	\$1,489	\$1,504	\$1,519	\$1,534	\$1,550	\$1,565
Total Revenue	\$171,595	\$173,293	\$175,008	\$176,741	\$178,491	\$180,258	\$182,043	\$183,846	\$185,667	\$187,507
Expenditures										
Reduction	\$5,000	\$5,025	\$5,050	\$5,075	\$5,101	\$5,126	\$5,152	\$5,178	\$5,204	\$5,230
Education	\$5,000	\$5,025	\$5,050	\$5,075	\$5,101	\$5,126	\$5,152	\$5,178	\$5,204	\$5,230
Recycling	\$50,400	\$50,652	\$50,905	\$51,160	\$51,416	\$51,673	\$51,931	\$52,191	\$52,452	\$52,714
Mattress	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Organic	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tires	\$775	\$779	\$783	\$787	\$791	\$795	\$799	\$803	\$807	\$811
Appliance	\$775	\$779	\$783	\$787	\$791	\$795	\$799	\$803	\$807	\$811
Oil	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Household Hazardous Waste	\$8,190	\$8,231	\$8,272	\$8,313	\$8,355	\$8,397	\$8,439	\$8,481	\$8,523	\$8,566
Battery	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Demolition	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Ordinance	\$3,300	\$3,317	\$3,333	\$3,350	\$3,366	\$3,383	\$3,400	\$3,417	\$3,434	\$3,452
Electronic	\$775	\$779	\$783	\$787	\$791	\$795	\$799	\$803	\$807	\$811
Staffing	\$62,704	\$63,018	\$63,333	\$63,649	\$63,968	\$64,287	\$64,609	\$64,932	\$65,256	\$65,583
On-Site	\$3,000	\$3,015	\$3,030	\$3,045	\$3,060	\$3,076	\$3,091	\$3,107	\$3,122	\$3,138
Landfill Disposal Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Expenditures	\$141,119	\$141,825	\$142,534	\$143,246	\$143,963	\$144,682	\$145,406	\$146,133	\$146,864	\$147,597.86
NET COST	\$30,475.61	\$31,468.46	\$32,474.77	\$33,494.68	\$34,528.36	\$35,575.96	\$36,637.63	\$37,713.54	\$38,803.84	\$39,908.69
Projected Population	40,906	41,472	42,038	42,604	43,170	43,707	44,273	44,839	45,405	45,856
Projected cost per person	\$3.45	\$3.42	\$3.39	\$3.36	\$3.33	\$3.31	\$3.28	\$3.26	\$3.23	\$3.22
Projected cost per household	\$9.21	\$9.13	\$9.05	\$8.98	\$8.90	\$8.84	\$8.77	\$8.70	\$8.64	\$8.59
Projected cost per ton	\$3.39	\$3.36	\$3.34	\$3.31	\$3.28	\$3.26	\$3.23	\$3.21	\$3.18	\$3.17

Appendix Y2 - Chisago County Itemized Solid Waste Budget 2016-2025

Revenues	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Out of County HHW Fee	\$11,685	\$11,801	\$11,920	\$12,039	\$12,159	\$12,281	\$12,403	\$12,528	\$12,653	\$12,779
SCORE	\$136,506	\$137,871	\$139,249	\$140,642	\$142,048	\$143,469	\$144,903	\$146,352	\$147,816	\$149,294
Waste Management Service Fee*	\$211,875	\$213,994	\$216,134	\$218,295	\$220,478	\$222,683	\$224,910	\$227,159	\$229,431	\$231,725
HHW	\$22,420	\$22,645	\$22,871	\$23,100	\$23,331	\$23,564	\$23,800	\$24,038	\$24,278	\$24,521
Material Sales	\$2,984	\$3,014	\$3,044	\$3,074	\$3,105	\$3,136	\$3,167	\$3,199	\$3,231	\$3,263
Landfill Disposal Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
License Fees	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545	\$9,545
Total Revenue	\$395,015	\$398,869	\$402,763	\$406,695	\$410,666	\$414,677	\$418,729	\$422,821	\$426,953	\$431,127
Expenditures										
Reduction	\$500	\$503	\$505	\$508	\$510	\$513	\$515	\$518	\$520	\$523
Education	\$1,000	\$1,005	\$1,010	\$1,015	\$1,020	\$1,025	\$1,030	\$1,036	\$1,041	\$1,046
Recycling	\$108,207	\$108,748	\$109,292	\$109,838	\$110,387	\$110,939	\$111,494	\$112,052	\$112,612	\$113,175
Mattress	\$2,744	\$2,758	\$2,772	\$2,785	\$2,799	\$2,813	\$2,827	\$2,841	\$2,856	\$2,870
Carpet	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yard Waste	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Organic	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Tires	\$4,898	\$4,922	\$4,947	\$4,972	\$4,997	\$5,022	\$5,047	\$5,072	\$5,097	\$5,123
Appliance	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Oil	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Household Hazardous Waste	\$8,081	\$8,121	\$8,162	\$8,203	\$8,244	\$8,285	\$8,326	\$8,368	\$8,410	\$8,452
Battery	\$100	\$101	\$101	\$102	\$102	\$103	\$103	\$104	\$104	\$105
Demolition	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ordinance	\$23,389	\$23,506	\$23,623	\$23,742	\$23,860	\$23,980	\$24,099	\$24,220	\$24,341	\$24,463
Electronic	\$2,216	\$2,227	\$2,238	\$2,249	\$2,261	\$2,272	\$2,283	\$2,295	\$2,306	\$2,318
Staffing	\$23,389	\$23,506	\$23,623	\$23,742	\$23,860	\$23,980	\$24,099	\$24,220	\$24,341	\$24,463
On-Site	\$926	\$931	\$935	\$940	\$945	\$949	\$954	\$959	\$964	\$969
Total Expenditures	\$175,650	\$176,528	\$177,411	\$178,298	\$179,189	\$180,085	\$180,986	\$181,891	\$182,800	\$183,714
NET COST	\$219,365	\$222,341	\$225,352	\$228,397	\$231,477	\$234,592	\$237,743	\$240,930	\$244,153	\$247,413
Projected Population	58,558	59,554	60,549	61,545	62,540	63,495	64,490	65,486	66,481	67,315
Projected cost per person	\$3.00	\$2.96	\$2.93	\$2.90	\$2.87	\$2.84	\$2.81	\$2.78	\$2.75	\$2.73
Projected cost per household	\$8.04	\$7.94	\$7.85	\$7.76	\$7.68	\$7.60	\$7.52	\$7.44	\$7.37	\$7.31
Projected cost per ton	\$4.23	\$4.18	\$4.13	\$4.09	\$4.04	\$4.00	\$3.96	\$3.92	\$3.88	\$3.85
*Per parcel property tax fee										

East Central Solid Waste Commission 2016 Integrated Solid Waste Plan Budget

Appendix Y1	FY 2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
	Accrual									
	Budget									
INCOME	90214	90888	91544	91883	92194	92430	92687	92922	93510	94556
4100 · Greater MN Cleanup Fee	601,727.38	606,222.96	610,598.48	612,859.61	614,933.98	616,508.10	618,222.29	619,789.74	623,711.70	630,688.52
4200 · Interest Earned	5,000.00	6,000.00	7,000.00	7,000.00	8,000.00					
4500 · Other Income and Expense										
4551 . Intergovernmental Income	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00
4506 - Sale of Recyclables (Scrap Metal, Batteries)	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
4507 - Landfill Gas Income	49,939.20	50,937.98	51,956.74	52,995.88	54,055.80	55,136.91	56,239.65	57,364.44	58,511.73	59,681.97
4600 · Tipping Fees										
4605 · Tipping Fees - MSW	4,610,837.54	4,691,638.56	4,773,104.16	4,838,558.78	4,903,798.86	4,965,339.60	5,029,196.62	5,092,125.60	5,175,778.50	5,285,680.40
4601 · Scale Fee Income	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00
4602 · Tire Disposal Income	10,500.00	10,500.00	11,000.00	11,000.00	11,500.00	11,500.00	12,000.00	12,000.00	12,500.00	12,500.00
4603 · Appliance Disposal Income	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00
4604 . Contaminated Soil Income	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
4610- Electronics Waste Income	30,000.00	30,000.00	35,000.00	35,000.00	35,000.00	35,000.00	40,000.00	40,000.00	40,000.00	40,000.00
4613 - Carpet Recycling	500.00	500.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
4612 - Demolition Income	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00
4611 - Burnsite Income	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
4608 . Mattress Disposal Income	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00
Total 4600 · Tipping Fees	4,892,437.54	4,973,238.56	5,060,704.16	5,126,158.78	5,191,898.86	5,253,439.60	5,322,796.62	5,385,725.60	5,469,878.50	5,579,780.40
Total Income	5,586,104.12	5,673,399.50	5,767,259.38	5,836,014.27	5,905,888.64	5,962,084.61	6,034,258.56	6,099,879.78	6,189,101.93	6,307,150.89

12/10/2015 Page 1

East Central Solid Waste Commission 2016 Integrated Solid Waste Plan Budget

Appendix Y1	FY 2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
	Accrual									
	Budget									
EXPENSES										
Administrative Expense	57,125.98	57,982.87	58,852.61	59,735.40	60,631.43	61,540.90	62,464.01	63,400.97	64,351.99	65,317.27
Administrative Employee Expense	155,091.56	157,387.13	159,718.37	162,085.90	164,490.36	166,932.41	169,412.71	171,931.95	174,490.83	177,090.06
6552 . HHW/BB County Reimbursement	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00	27,000.00
Total Administrative Expense	239,217.54	242,369.99	245,570.98	248,821.30	252,121.79	255,473.31	258,876.73	262,332.93	265,842.82	269,407.33
Commission Board Expense	7,550.00									8,100,00
6510 · Depr. ExpPlant and Equip.	1,106,211.17	1,122,804.34	1,139,646.40				1,209,579.15			1,264,830.76
Recycling Building Expense	23,180.06	23,527.76					25,346.08	25,726.27	26,112.17	26,503.85
6845 · Hauler Rebate Exp.	1.010.396.80	1,017,945.60	1,025,292.80	1.029.089.60			1,038,094.40	1,040,726.40		1.059.027.20
6205 · Property Insurance	6,387.40	6.483.21	6,580.45	, ,	, ,		6,984.25	7.089.02		7.303.28
Landfill Employee Expenses	269,468.37	273,510.40			-,	290,293.97	294,648.37	299,068.10	,	308,107.43
6143 · Training	5,151.13	5,228.39						5,716.95		5,889.74
6565 · Laboratory Services	56,662.38	57,512.31	58,375.00				61,957.09	62,886.45		64,787.19
6130 · Building Repairs/Maintenance	31,936.98	32,416.03	32,902.27	33,395.80				35,445.09		36,516.42
6865 · Operating Supplies	8,241.80	8,365.43	8,490.91	8,618.27				9,147.12		9,423.59
6140 · Utilities	53,571.70	54,375.28	55,190.90	56,018.77				59,456.28		61,253.34
6590 · Surcharges/Host Fee-Kanabec County	509,050.00	508,575.00						514,580.00		523,510.00
6591 · Surcharges-Arthur Township	101,810.00	101,715.00	102,191.00	102,415.00			102,828.00	102,916.00	103,491.00	104,702.00
6592 · Landfill Repairs/Maintenance	82,418.00	83,654.27	84,909.08	86,182.72			90,119.41	91,471.20		94,235.91
6593 · Leachate Hauling & Disposal	206,045.00	209,135.68	212,272.71	215,456.80				228,678.00	232,108.17	235,589.79
6144 - Equipment Repairs/Maintenance	86,538.90	87,836.98	89,154.54				94,625.38	96,044.76		98,947.71
6597 - ADC Materials & Supplies	30,906.75	31,370.35	31,840.91	32,318.52	32,803.30	33,295.35	33,794.78	34,301.70	34,816.22	35,338.47
6840 · Fuels & Lubricants	144,231.50	146,394.97	148,590.90	150,819.76	153,082.06	155,378.29	157,708.96	160,074.60	162,475.72	164,912.85
6824 - Landfill Closure	128,778.13	130,709.80	132,670.44	134,660.50		138,730.61	140,811.57	142,923.75	145,067.60	147,243.62
6825 - Engineering Services/Annual Reports	103,022.50	104,567.84	106,136.36	107,728.40				114,339.00	116,054.08	117,794.89
6855 - Licenses and Permits	4,120.90	4,182.71						4,573.56		4,711.80
Total Landfill Expense	2,838,738.22									-,,
Transfer Station Employee Expense	287,994.04	292,313.95					314,905.14	319,628.72		329,289.50
6550 · Medical Waste Disposal	1,854.41	1,882.22						2,058.10		2,120.31
6562 - Electronics Waste Recycling	26,785.85	27,187.64					29,288.81	29,728.14		30,626.67
6580 · Appliance Recycling	5,151.13	5,228.39						5,716.95		5,889.74
6581 - Tire Recycling	12,362.70	12,548.14						13,720.68		14,135.39
6856 - Mattress Processing Costs	25,755.63	26,141.96	26,534.09					28,584.75		29,448.72
6745 - Trans. Stat. Contract Oper.	453,299.00	460,098.49		474,004.96		488,331.76		503,091.59		518,297.53
Transfer Station Expenses	221,601.40	224,925.42		231,723.79				245,943.18		253,376.82
Reduction	500.00	507.50						554.92		571.69
Education	1,000.00	1,015.00	1,030.23	1,045.68			1,093.44	1,109.84	1,126.49	1,143.39
Recycling	5,000.00	5,075.00	5,151.13			,		5,549.22		5,716.95
Carpet	10,000.00	10,150.00	10,302.25	,		,		11,098.45	,	11,433.90
Yard Waste	15,000.00	15,225.00	15,453.38	15,685.18			-,	16,647.67	16,897.39	17,150.85
Organic	500.00	507.50	515.11	522.84			546.72	554.92		
Oil	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00
Household Hazardous Waste	3,000.00	3,045.00						3,329.53		3,430.17
Battery	0.00	0.00					0.00	0.00		0.00
Demolition	20,000.00	20,300.00	20,604.50	20,913.57				22,196.90		22,867.80
Ordinance	500.00	507.50		522.84			546.72	554.92		
	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00
Staffing - included in employee expense						E 200 42	E 467 00	E E 40 00	E 600 46	5,716.95
On-site On-site	5,000.00	5,075.00	5,151.13	5,228.39				5,549.22	5,632.46	
On-site Total Transfer Station Expense	5,000.00 1,095,304.14	1,111,733.71	1,128,409.71	1,145,335.86	1,162,515.90	1,179,953.63	1,197,652.94	1,215,617.73	1,233,852.00	1,252,359.78
On-site On-site	5,000.00	1,111,733.71	1,128,409.71		1,162,515.90			1,215,617.73	1,233,852.00	
On-site Total Transfer Station Expense	5,000.00 1,095,304.14	1,111,733.71	1,128,409.71	1,145,335.86	1,162,515.90 5,561,263.57	1,179,953.63 5,622,695.31	1,197,652.94 5,685,314.16	1,215,617.73	1,233,852.00 5,819,787.46	1,252,359.78

12/10/2015 Page 2