

**Red Lake County**



**"2018"**  
**RED LAKE COUNTY**  
**10 YEAR**  
**SOLID WASTE**  
**MANAGEMENT PLAN**



**Solid Waste Management Plan  
2018 Update**

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## **Section I**

### **Red Lake County Solid Waste Management Plan 2018 Update**

#### *Executive Summary*

This document is an update to the 2007 Solid Waste Management Plan. Barring any major legislative changes, the County Board sees little likelihood of any major changes within Red Lake County in the next ten years. Therefore, the information provided in this section describes only the changes from the 2007 plan. This plan Update reflects the policy of the Red Lake County Board of Commissioners to comply with the requirements of Minnesota Statute 115A, commonly referred to as the Waste Management Act. The Red Lake County integrated solid waste management system is a mature program that is economical and beneficial to Red Lake County and the people that call it home. The municipal solid waste is under contract with Mar-kit Landfill in Hallock, MN. Mar-kit has provided this service for over 20 years. The current contract with Mar-Kit Landfill runs from January 1, 2016 through December 31, 2025 (reference Appendix C). The price for disposal is \$50/ton. Red Lake County has one licensed Municipal Solid Waste (MSW) hauler. That hauler is Sanitary Services and Recycling, Inc. They have been working within Red Lake County for over 20 years. They operate with standard packer trucks and make deliveries to Mar-kit Landfill when their packer trucks are full. In 2016, Red Lake County generated 1779 tons of MSW, of which 1,560 tons were landfilled, 211 tons recycled, and 8 tons were disposed on-site.

Red Lake County has a contract for recycling service with Les's Sanitation out of Thief River Falls, MN. Red Lake County has been with Les's Sanitation since March 1, 2011 (view current contract in Appendix D). This Contract will be revisited prior to its conclusion on February 28, 2021. In 2016 211 tons of material was recycled. Other than our Recycling contract with Les's Sanitation, Sanitary Services and Recycling, Inc. also has a route to pick up corrugated cardboard throughout the County. This is a service they have implemented and are operating on their own. They currently haul the cardboard to Les's Sanitation with a packer truck designated just for cardboard. It is dumped on the tip floor and mixed with other cardboard for baling.

For most solid waste activities, the County will continue the existing program; however, it is the intention of the County Board to continually examine ways to improve the recycling. This Update calls for the evaluation of opportunities that may become available for increasing recycling tonnage in the County. They also intend to examine and implement viable options for demolition landfill management, in compliance with new regulations, and evaluate the adequacy of existing staffing levels in the Environmental Office. Estimates of potential changes to annual volumes can be found in the Goal Volume Table located in Appendix A. If you would like to review the Ten Year Budget Projection, you can find it in Appendix B.

This Plan was developed and completed by Kurt Casavan, Red Lake County Environmental Officer. Finally, as required by State law, this Update specifies that the County will review the solid waste management system and develop a new Update in 2027 for the year 2028.

## **Section II**

### *County Background Information*

#### **Geographic and Regional Information**

Red Lake County is located approximately 300 miles northwest of the Twin cities Metropolitan area. The City of Red Lake Falls is the County Seat. Red Lake County is the only land locked County in the United States, excluding those on international borders, to border exactly two other counties. Those Counties are Pennington and Polk. The County covers approximately 432 Square miles.

Surface terrain of the area is characterized by glacial drift, some areas are thick clay soils with other areas of loam, sandy loam, and some sand and peat soils. For the most part it is an agricultural County. There are scenic river areas to enjoy also.

Locally, all the water in Red Lake County flows into the Red Lake River basin. Some water flows directly into the Red Lake River, other waters through tributaries. These tributaries are: Clearwater River, Lost River, Hill River, Poplar River, Brooks Creek, Terrebonne Creek, Beau Gerlot Creek, Lower Badger Creek, Cyr Creek, Black River, & Little Black River.

#### **Demographic Information**

The population of Red Lake County was estimated, by the State Demographer's Office, to be 3,996 individuals in 2016. This is a decline from the 2000 census count of 4,299 and from the 2010 census count of 4,089. The population has declined 2% from April 1, 2010 – July 1, 2016. Official estimates project that the population will continue to decline at a 0.87% rate from 1980 through 2025. Population projections for the next ten years are shown in the Goal Volume Table located in Appendix A.

As noted above, we expect the population to stay the same, maybe slightly declining over the next 10 years at approximately 0.87%. Land use is predominately Agriculture with no change foreseen in the next 10 years. Red Lake County is fortunate to have Digi-Key Electronics in Thief River Falls. They employ over 3,000 people presently and are looking at expanding operations, which could add another 1,000 jobs. Wages and premium insurance have provided many jobs for Red Lake County Residents.

The per capita income in Red Lake County is approximately \$25,732. The economy in the County seems to be maintaining at a reasonable level. The unemployment rate is at around 9.8%. When compared with other parts of Minnesota Red Lake County is doing well, and the economy is looking positive going into the next ten years. The median household income is approximately \$49,800.

Constraints on Red Lake County could be our low population, which in turn means a smaller tax base and less dollars available to offer more services. Also our distance away from some of the markets for sale of goods. However, we are fortunate enough to have some larger companies in neighboring counties that have the potential to create jobs. Such as Digi-Key Electronics, Arctic Cat & Crystal Sugar Beet Plant. There are various small companies,

which are not listed, but are still important to the County. Refer to Appendix E for Demographic information.

### **Solid Waste Collection and Generation Information**

The total waste generation for Red Lake County in 2016 was 1779 tons. Of this total, 1560 tons were landfilled and 211 tons were recycled, with 8 tons disposed of on site. The percent of annual waste disposed of onsite is approximately 0.45%. The average waste generation per person per day equates to approximately 2.4 pounds, which is then 890.39 pounds/person/year. Approximately 25% of the waste comes from commercial generators, with the remaining 75% being residential. The population in 2016 for Red Lake County is approximately 3,996. This translates to 9,750.2 pounds of waste per day or 1779 tons per year.

The composition of the overall solid waste generated in the County is approximately 1.9% metals, 4% tires, 3.1% electronics, 1.9% Plastic, 7.1% glass, 64% paper/cardboard and 18% Household Hazardous Waste (HHW).

The County has some solid waste collection and generation constraints. One of the most important constraint is the funding required for any additional collection and/or recycling service. To provide additional services would be an increase burden to the taxpayers in the County for the implementation of these new programs. The tax burden is especially hard given the County's small population, and therefore smaller tax base from which to collect the funds to pay for the new services. In addition, our location in NW Minnesota limits us to available facilities and markets, due to high transportation costs.

The County has two demolition debris landfills. One in Oklee, which generates on average approximately 200 yards/year and services the East end of the County. The other in Red Lake Falls, which generates approximately 1,200 yards/year. This landfill services mostly the west/central part of the County. Their combined total is approximately 1,400 yards/year on average.

There is not a lot of industry in Red Lake County. We have a Dollar General, two grocery stores, one hardware store, four schools, seven bars, Homark Trailer House Factory, Northwest Manufacturing (Wood Stoves), Triangle Tire & Repair, two grain elevators, two lumber yards, one Chevy dealership, one parts dealer and one welding shop. Cardboard is collected at some of these sites but not all have cardboard that needs to be picked up. However, of all the cardboard picked up in the County this group accounts for approximately 68 tons in 2016. This will fluctuate year to year. For more information, please refer to the Goal Volume Table in Appendix A.

Solid Waste Planning is made easier regionally with our multi-County groups, such as the Northwestern Minnesota Household Hazardous Waste Management Group (NWMNHHW) Facility. This is a ten county group that works together in HHW. This ensures that we are not having duplicative and overlapping efforts, but instead work together for a common purpose. We also have our Solid Waste Administrators Group that meets throughout the year. This is a prime opportunity to collaborate with neighboring counties and see what they are doing and how it is working for them. Communicating with each other is the key to success. Another thing is educating the public. This year we tried something different and did a Countywide mailing of a large card, with glossy front and back, filled with

information about our landfills and recycling program information. This had positive feedback so we may do this yearly or twice a year.

County Staff estimate that 100 percent of County residents have access to solid waste collection services. These services are either in the form of curbside collection, or through access to a township canister site. Twenty-five percent of the waste is believed to come from commercial generators. Township canister sites may be found at the following township locations:

1. Sec. 27, Browns Creek;
2. Sec. 33, River;
3. Sec. 2, Garnes;
4. Sec. 11, Lake Pleasant;
5. Sec. 11, Terrebonne;
6. Sec. 7, 21, 33, Gervais;
7. Sec. 5, 34, Louisville;
8. Sec. 31, 14, Equality;
9. Sec. 10, Lambert.

Refer to Township SW Canister & Recycling Site locations in Appendix I. Solid Waste collection is the responsibility of the townships and the private haulers.

The primary garbage hauler operating in Red Lake County is Sanitary Services and Recycling, Inc. Sanitary Services and Recycling, Inc. has established a volume based pricing program based on a per bag system. These colored bags are purchase throughout the County, and act as a financial incentive for waste reduction and recycling. The more you recycle the less bags you will go through, and so the more money you will save. The company sells 32-gallon bags for \$1.76, 15-gallon bags for \$0.95 and 7.5 gallon bags for \$0.56. Commercial generators are charged a basic rate of \$12.50/ cubic yard plus 17% solid waste tax. Residential customers are charged \$12.50/cubic yard plus 9.75% solid waste tax.

### **Planning History**

In 1983, the County adopted its first solid waste management plan. The Plan was updated in 1991 to reflect the SCORE requirements and other changes to waste management regulations. In 1995, an amendment to the plan was required because the County was not meeting the State recycling goals as reflected in the SCORE legislation. In 1997 the 5-year plan was updated. The plan was revised in 2002 and 2007. And that brings us to this revision in 2018. The next plan will be updated in 2027.

This is because the most programs are now so mature in nature that there are not many major changes over several years. It is the goal of the County to increase the recycling rate over the next ten years, and divert more materials from being landfilled. Education through mailings and newspaper articles is key. This will encourage people to continue recycling and keep them informed of any changes to the program.

Because Red Lake County cannot afford to manage its solid waste on its own, the County has been an active participant in regional planning activities since the early 1980's. In addition, the County was an active participant in the development and implementation of the NWMNHHW Group, and has been active in the planning for the Mar-kit Facility. The County also became part owner of KaMaR Recycling, in Karlstad, MN. KaMaR was owned and operated by the following Counties: Kittson, Marshall, Roseau, and now Red Lake County. Red Lake County joined its resources with the other three counties in January of

2005 only to terminate the program the end of February 2011. We have been with Les's Sanitation in Thief River Falls ever since. Because of the communication and cooperation throughout the region, the County has not experienced any barriers to regional projects, or conflicting or duplicative efforts.

### **Section III**

#### *Resource Recovery and Disposal System Analysis*

##### **Evaluation of Existing System and Proposed Improvements**

The Red Lake County integrated waste management system has been working very well. The County is a member of the Northwestern Minnesota Household Hazardous Waste Management Group, which in addition to operating a permanent satellite facility in Red Lake Falls conducts an annual mobile collection in outlying towns to better serve County residents. The County provides two demolition landfills and four-yard waste composting sites. The County also provides used oil and filter collection and waste tire recycling. Of the 1,779 tons of Solid waste Generated in Red Lake County in 2016, 1,560 tons were landfilled and estimated 8 tons were disposed of onsite.

We would like to educate people more about backyard burning, and through mailings and newspaper articles change their perception over the next ten years.

Due to our sparse population along with limited resources, we currently have found that land disposal is the most economic method of MSW disposal available.

Red Lake County MSW generation is insufficient to attempt a County mixed materials recovery facility or resource recovery facility. Polk County is in the process of upgrading their resource recovery facility. Red Lake County is currently under contract with Les's Sanitation for our recycling and contracted with Mar-kit Landfill for MSW services.

The options open to the County for MSW were:

The Polk County Incinerator at Fosston:

Polk County was looking to possibly add Red Lake County to their customer list. There was discussion but Polk County only wanted to go with yearly contracts. After discussions with Sanitary Services & Recycling, Inc., they were not interested in a potential price change each year. The Red Lake County Board was also not interested if they could not get a lengthier and more stable contract. Polk County could not agree to a long-term contract, as they would have to do that for each County currently being served by the Fosston Incinerator. Tipping fees are currently over \$60/ton.

The Polk County Incinerator was dropped from consideration due to lack of interest in yearly contracts, which would not accommodate a consistent charge rate to the customers.

The Grand Forks Landfill:

The original landfill closed in 2008. They opened a new landfill in 2009. The current cost is \$50.36/ton. The County Board was concerned about this option from an environmental and liability point of view. Because the facility operates under federal regulations only, Red Lake County could be at greater risk of potential liability for future environmental degradation.



North Dakota does not have as high a standard for groundwater protection as a facility operating in Minnesota.

The Mar-kit Landfill in Kittson County:

Red Lake County has been hauling its MSW to Mar-kit Landfill since 1995. They run a very efficient and well maintained system. Sanitary Services and Recycling, Inc., our local hauler, is very happy with the Mar-kit Landfill and their willingness to try to accommodate their patrons. The first contract was for 15 years, with a tipping fee of \$45/ton, and was up at the end of the year in 2015. The current contract Began January 1, 2016 and terminates December 31, 2025. The tipping fee is \$50/ton. The Mar-Kit Landfill has a permitted 1,747,780 Cubic Yard capacity. The current permit expired June 23, 2015. The Landfill also has a Certificate of Need. Additionally, the Landfill has a financial assurance trust fund with a balance of \$2,091,571 as of January 1, 2014. The Landfill contributes approximately \$3300 per month into the fund.

### **Contingencies for Failure of Existing System**

In the unlikely event that the Mar-kit facility should stop accepting the County's waste, County staff would temporarily divert the waste to the Polk County, Fosston Incinerator. If not available, the County would have to look at the Grand Forks Landfill as a last resort. After that point the Board would have to combine with the counties currently hauling to Mar-kit and start up another Landfill and or incinerator that would meet all of our needs.

## **Section IV**

### *Policies and Programs*

#### **Introduction**

As indicated previously, this Plan is an update to previous Solid Waste Management Plans, Updates or Amendments. Red Lake County has a successful, mature solid waste management program. The County Board does not intend to make changes to successful program components. This section describes successful programs and indicates that the program will be continued throughout the period covered by this Update. Less than successful program components or those requiring change to comply with State or Federal regulations will be explored in greater detail as they present themselves going into the future.

#### **Solid Waste Reduction**

##### **General Policy and Goals**

The Red Lake County Board of Commissioners and residents regard waste reduction as a primary constituent of an integrated waste management system. However, waste reduction is difficult to quantify. The County's previous Plans, and this Update, will continue to rely upon strategies, such as informational mailings and write ups in the local newspaper. This should help motivate individuals and businesses to reduce waste generation.

## **Existing Program**

Solid Waste staff use the following methods to coordinate the recycling program:

1. Purchase a portion of recycled content supplies, which are at a higher cost than non-recycled supplies.
2. Distribution of pamphlets/emails on source reduction to County staff quarterly.
3. Promotion of materials exchange/re-use at the County HHW Facility.
4. Talk to businesses about source reduction needs and ideas yearly.
5. Newspaper articles promoting source reduction to County residents monthly.
6. Promotion of environmentally responsible purchasing through email to County staff.
7. Work with schools for Environmental Education Week. Assist with funding for purchasing materials that assist with Environmental Education. The teachers will utilize these materials in their own educational class presentations.
8. Advertise source reduction programs to reduce household hazardous waste. Promote the use of healthy alternatives to cleaners & solvents. Also description of how to calculate surface area for the correct amount of product to use.
9. Promote source reduction activities in the County schools by talking to the principals in each school and encouraging them to discuss recycling at their staff meetings and to include custodial workers in these discussions.
10. Cooperate with other counties to promote recycling (NWMNHHW)
11. Talk with city officials about development of source reduction programs.

## **Proposed Program**

The County proposes to continue the existing system, and implement additional source reduction activities as they become available, throughout the period covered by this Update.

## **Solid Waste Education**

### **General Policy and Goals**

Red Lake County considers education through the Environmental Services Office as the most significant activity for changing behavior and increasing waste management activities. It is the policy of the Red Lake County Board of Commissioners to ensure that all areas within the County are informed of existing and future waste management programs. Education is the key to a successful source reduction and recycling program.

## **Existing Program**

1. Monthly articles, covering all aspects of waste management, published in both of the County's newspapers.
2. Distribution of PSA's to radio stations serving County residents.
3. Annual County wide mailings with information on recycling, HHW, and Landfill services sent to each mailbox and P.O. Box. Possibly Bi-annually.

## **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update.

## **Recycling**

### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to try to increase the recycling rates in Red Lake County, whenever the opportunity arises. To encourage recycling, the County provides convenient opportunity for all residents to recycle as well as education, to both commercial and residential customers.

### **Existing Program**

The County has a successful recycling program. In March of 2011, Red Lake County signed a contract with Les's Sanitation in Thief River Falls.

The program consists of containers in each of the four cities in the County: Plummer, Oklee, Brooks, and Red Lake Falls. They each have one container, except Red Lake Falls, which has two containers based on the population. The containers are set up to take plastic (those plastics that have a neck and screw cap), newspaper, aluminum beverage cans, and metal from canned foods, as well as clear, green and brown glass. The containers in Red Lake Falls are picked up once each week, on Tuesdays. The Plummer and Oklee containers are picked up every other Friday. The Brooks container is picked up as needed with a call from the Environmental Officer when it is ready. A map with the location of these recycling containers can be found in Appendix I. These container locations have been in place for over twenty years so the majority of the public is aware of their locations. However, through articles in the newspaper and County wide mailings residents are informed of the recycling sites and their locations, as well as what recyclables are accepted.

There are containers for paper collection at the schools in Red Lake County. We are currently looking at cardboard collection at the elementary school in Red Lake Falls. This is where they prepare and cook most meals, for the High School as well, unless the process has changed recently. The County is currently working on developing this collection.

The courthouse shares paper containers with the social services office next door

The County Environmental Office also had collection containers made out of Gaylord containers for magazine collection. They had wood tops with a slot to slide the magazines in.

But this year Les's Sanitation Purchased large green metal containers with flip open type lids for magazine collection. These work great and the best part is they now come and service them as well. Prior to this we were going to each site with a skid steer and loading them on a trailer and delivering them to Les's Sanitation in Thief River Falls.

Sanitary Services and Recycling, Inc. operate their own cardboard program. At request from business/private customers they will drop off a cardboard collection container (usually a basic garbage dumpster to be filled with flattened cardboard). They are offered cardboard service when Sanitary Services & Recycling, Inc. sets up their account for MSW collection. This container is emptied with the use of a garbage packer truck, which is just used for cardboard collection. This is then driven to Thief River Falls and unloaded at Les's Sanitation, where they purchase the cardboard by the ton.

For specific information on recycling volumes, please refer to the 2015 and 2016 SCORE Reports and the 2012-2016 recycling analysis in Appendix F.

### **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update. In addition, County staff, in conjunction with the recycling contractor, will continue to investigate the possibility of adding additional commodities, and drop sites, to the recycling program. Additional commodities will be added only if funding and marketability are sustainable.

The County continues to have a long term contract with Mar-Kit Landfill through December 31, 2025. The facility will be described further in the section on MSW processing/Disposal.

### **Yard Waste**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to encourage yard waste composting and to comply with the yard waste prohibition. It is the goal of the Red Lake County Board to provide the opportunity for the proper management of yard waste. The County has identified composting as the preferred method of management of organic wastes.

#### **Existing Program**

The County yard waste management program consists of an ongoing educational program encouraging residents to minimize yard waste generation, promoting back yard composting, providing information on drop sites for yard waste and reminding residents that yard waste is prohibited from disposal in MSW. There are four yard waste collection sites in the County. The sites are located near the towns of Brooks, Oklee, Plummer and Red Lake Falls. The cities are in charge of maintaining and operating these sites. These sites accept yard waste from Red Lake County Residents, but not from outside the County. Residents are encouraged to take finished compost for use in gardens. Volumes of finished compost are too small to generate any interest from agricultural users. There is no service available from the County to pick up yard waste. You either do it on your own property or haul it to the compost sites. There are therefore no tonnages or weights available. The sites currently accept leaves, branches, and larger tree trunks. They attempt to keep them separated in piles but it is an ongoing battle with the public.

## **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update. We are looking into purchasing some of the composting containers available through the MPCA. The County will provide education through newspaper articles may be useful for those that are not familiar with composting.

## **MSW Processing/Disposal**

### **Existing Program**

Red Lake County has no MSW Landfill of their own. The MSW is hauled out of the County. On January 1, 2016, the County signed a fifteen-year contract with the Mar-kit Joint Powers Board guaranteeing delivery of not more than 1,950 tons, and not less than 1,300 tons, per year of MSW to the Mar-kit facility. The contract has a guaranteed price of \$50 per ton for the term of the contract. Should the County deliver less than the contract minimum, the County will pay \$40 per ton for each ton under the contract minimum. Red Lake County does not assist with the payment of the \$ 50/Ton tipping fee. The garbage hauler pays the disposal/tipping fee. The hauler has colored garbage bags that are sold to encourage more recycling and at the same time assist them with the tipping fee. There is a 32 gallon purple bag @ \$1.76, a pink 15 gallon bag @ \$0.95, and a clear 7.5 gallon bag @ \$0.56. The base rate is \$12.50/yard, plus the Solid Waste Management Tax, which is residential 9.75% and commercial 17%.

The Mar-kit facility is located in Kittson County, on State Highway 75, approximately seven miles East of Hallock. Landfill operations began on this site in 1971. The facility was operated privately until 1993, when the Mar-kit Joint Powers Board (composed of Kittson and Marshall Counties) purchased the facility.

The Mar-kit facility accepts waste from Kittson, Koochiching, Lake of the Woods, Marshall, Pennington and Roseau counties in addition to Red Lake County. Waste is also accepted from the Red Lake Band of Chippewa Indian Nation. Complete information on operations and permit status is on file at the Mar-kit Landfill or at the Regional MPCA office at Detroit Lakes, MN.

The facility is permitted by the MPCA. Total life of the facility, at current landfiling rates, is expected to be 27 to 28 years.

### **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update.

### **Waste Tires**

### **General Policy and goals**

It is the policy of Red Lake County to comply with the State by offering tire recycling opportunities to the public. It is the goal of the County to make sure that all waste tires are properly disposed and that all residents have an opportunity for disposal.

### **Existing Program**

The County accepts waste tires at the Red Lake Falls Demolition Landfill under the conditions specified in the facility permit issued by the MPCA. Tires are also taken at the Oklee Landfill in very small quantities and hauled monthly, if not sooner, to the Red Lake Falls Demolition Landfill Site. The tire tipping fees established by the County Board may be found in Appendix G. Tires are transported by licensed haulers to licensed disposal/recycling facilities. Currently Tyre Mart Waste Not Recycling, out of Bismarck, ND, has been picking up the tires. At this time the County has no contract with a disposal/recycling facility. When sufficient tires have accumulated to warrant a shipment, tires are sent to the facility with the lowest price.

There are no known tire dumps within the County.

### **Proposed Program**

The County proposes to continue the existing program throughout the period covered by this Update.

### **Electronics**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to encourage and provide the opportunity to recycle electronics.

### **Existing Program**

The County currently accepts electronics at both Demolition Landfill Sites. There is a large enclosed roll-off container at the Red Lake Falls Landfill Location. The electronics that are taken at the Oklee Landfill Site are hauled to the Red Lake Falls Landfill Site and also put in the large roll-off container. Red Lake County has an agreement with Polk County to pick up the container when full and drop an empty in its place. Red Lake County is then billed for the service. This works out very well. The last several years tonnages have ranged from five to twelve tons. We anticipate the tonnage to continue to be in this same area.

### **Proposed Program**

The County proposes to continue the existing program throughout the period covered by this Update.

### **Major Appliances**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to encourage and provide the opportunity for the management and disposal of major appliances to citizens.

## **Existing Program**

The County accepts major appliances at the Red Lake Falls and Oklee Demolition Landfills. Appliances are only accepted from County residents, at this time. The County Board is presently charging \$5 / appliance. The County has an agreement with the Rural Electric Cooperative to remove Freon, PCB contaminated capacitors and mercury switches. Once the regulated materials have been removed, the appliances are put in the scrap pile and recycled when prices are favorable.

## **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update.

## **Automotive Recycling Components**

### **A - Used Oil and Filters**

#### **General Policy and Goals**

It is the goal and policy of the Red Lake County Board of Commissioners to ensure citizens are informed of used oil and oil filter disposal locations and provide information directed at the proper management of the same.

## **Existing Program**

The County has waste oil collection containers, at the following community recycling drop sites: Oklee (1), Plummer (1), and Red Lake Falls (1). There is also one at the Demolition Landfill site near Red Lake Falls. These containers are serviced by a licensed waste oil hauler, currently Rainy Lake Oil. They are located in International falls, MN. The waste oil is re-refined or used as a source of fuel at approved facilities.

The County no longer provides for collection of used oil filters for automotive businesses instead opting to have the business sector deal with Rainy Lake Oil. They drop off 55 gallon metal drums at each business and make scheduled collections to pick up the full containers. Another empty container is then dropped off in its place. Used filters are also accepted from the public at the Red Lake Falls Demolition Landfill Site and the three community recycling drop off locations, noted above, located around the County. Rainy Lake Oil also drops off 55 gallon drums for the County. The difference being that our filters are drained, crushed, and then placed in the drums before they are sent back. The County pays \$65 per 55 gallon barrel of drained and crushed oil filters.

## **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update.

### **B - Batteries**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to advise all residents that it is illegal to dispose of lead acid batteries, Ni-Cad batteries, rechargeable batteries and button

batteries in any manner not consistent with state statute and County ordinance. It is the goal of the County to provide an opportunity for residents and businesses to recycle batteries.

### **Existing Program**

The County accepts used lead acid batteries at the Red Lake Falls demolition landfill. There is a \$ 1 /battery charge to the customer. Lead acid batteries are sold to licensed recycling facilities. The batteries are kept in a spill proof container out of the elements until they are recycled.

Ni-Cad and other rechargeable batteries, button batteries and batteries containing mercury are managed through Retrofit Recycling. They are located in Little Canada and Owatonna, MN.

At this time, conventional dry cell and alkaline batteries are disposed of with the MSW. If markets become readily available we will revisit this practice at that time.

### **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update.

### **Household Hazardous Waste**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to continue to educate residents on the proper disposal of household hazardous waste. It is the goal of the County to provide all residents with a disposal opportunity.

### **Existing Program**

Red Lake County is a member of the NWMNHHW. Other members of this joint powers group are: Beltrami, Cass, Clearwater, Kittson, Lake of the Woods, Marshall, Pennington, Polk and Roseau Counties. The NWMNHHW has a facility in Bagley, which is available for residents to drop off HHW the first and third Tuesdays of each month. Residents may also make appointments for other times.

The NWMNHHW organization and Red Lake County have cooperated to establish a satellite facility in Red Lake Falls. The Red Lake Falls facility accepts HHW during regular landfill hours. The summer hours are Monday-Friday and the first and third Saturday of each month (three hours/Saturday). The winter hours, November 1<sup>st</sup> – April 30<sup>th</sup>, are Monday, Wednesday and Friday.

We have an area where products that are still good are put on the shelves and reused by the public instead of buying new product. They have to sign a sheet stating they are utilizing this service. The program to re-use these products has been very successful.

The NWMNHHW now works with the MPCA and Paint Care to get reimburse for costs incurred with the paint disposal and processing costs. This seems to be working well so far. We look forward to moving the program in a positive direction with Paint Care as a partner.

The NWMNHHW provides educational materials to County staff. These materials are distributed to County residents through the print media and brochures.



In addition, every other year, the DOA collects waste pesticides from agricultural generators. But usually just one site in each region. The NWMNHHW now handles a large share of the agricultural related chemicals.

### **Proposed Program**

The County proposes to continue the existing system throughout the period covered by this Update. If new opportunities arise we will review the process at that time.

### **Demolition Debris Management**

#### **General Policy and Goals**

It is the policy of the Red Lake County Board of Commissioners to inform all residents that it is illegal to dispose of demolition debris in a manner not consistent with state rules and the County Solid Waste Ordinance. It is the goal of the County to provide residents the use of two County owned and operated demolition sites for proper disposal of demolition debris.

#### **Existing Program**

The County has two demolition landfills. The demolition landfills are located at Oklee and Red Lake Falls. Both facilities have Facility Permits from the MPCA.

Both the Oklee and Red Lake Falls facilities have small annual volumes. In 2015, the Red Lake Falls facility accepted 1475 cubic yards. The Oklee facility accepted 222 cubic yards. Tipping fees are \$6.60 per cubic yard at both facilities. The tipping fee covers a portion of the cost to operate the facilities.

#### **Proposed Program**

The MPCA is trying to make changes to the Demolition Landfills located in Red Lake County. So it is hard to say exactly how things will be handled in the future. Whether these possible changes are actually needed or justified is to yet be determined. The landfills in the County are operated as a needed service to the residents. Neither landfill turns a profit. The tipping fees do not cover the costs of operation. But the landfills are needed and much appreciated by the taxpayers. The Oklee Landfill serves the east side of the County and The Red Lake Falls Landfill serves the west end of the County. They keep materials out of our roadside ditches and other dump areas that existed prior to the landfills establishment. I cannot imagine how things would look without them.

Solid waste staff will perform a cost evaluation using, at a minimum, the following:

facility – Scenario	Average Volume	Annual O&M Costs	Well Installation Costs / 20 years	Annual Groundwater Testing Costs	Annual Financial Assurance Costs	Total Annual Costs	Cost per cubic yard
RLF -existing	1475	\$ 32,000	N / A	N / A	N / A	\$ 32,000	\$ 6.60
RLF – w/o wells, FA only	1475	\$ 32,000	N / A	N / A	N / A		
RLF – Wells & FA	1475	\$ 32,000					
Oklee – existing	222	\$ 8,000	N / A	N / A	N / A	\$ 8,000	\$ 6.60
Oklee – w/o Wells FA only	222	\$ 8,000	N / A	N / A	N / A		
Oklee – wells & FA	222	\$ 8,000					

The information will be presented to the County Board. If the Board believes the estimated tipping fees are too high, the Board will appoint an advisory committee comprising representatives of the agricultural industry, business, the Homark Company, residential generators, the Board and County staff. The committee's task shall be to examine options available for management of demolition debris and to make a recommendation regarding the committee's choice as the best option for the residents of the County.

## **Solid Waste Ordinance & Licensing**

### **Existing Program**

The County's Solid Waste Ordinance was last amended in 1991. The Ordinance was reviewed in 2003. The ordinance complies with State Statute and Rules. There have not been any problems with implementation or enforcement of the ordinance. A copy of the County's Solid Waste Ordinance may be found in Appendix H.

The MSW Hauler/Haulers in Red Lake County are required to fill out forms each year as a requirement of getting their annual license. If all the proper documentation and insurances are included and acceptable the Environmental Officer will meet with the County Board and recommend the hauler be licensed for the upcoming year. This is all usually done in December of each year.

### **Proposed Program**

The County proposes to begin a review of the Solid Waste Ordinance in the next five years. The review will examine the ordinance for conformity with state regulations and assess how well the ordinance meets the needs of the residents of the County.

## **Solid Waste Staffing**

### **Existing Program**

The Solid Waste staff consists of the following:

Director	.5 FTE
Receptionist	.2 FTE (Position currently not filled)
Demo Operator	1-1.25 FTE

### **Proposed Program**

The Environmental Office has many duties. The office is responsible for Solid Waste, Recycling, Road Right of Way Spraying, Zoning, County Ditches and Agricultural Inspector along with all the accompanying tasks associated with these duties. The Director will work with the Board to ensure adequate staffing levels are maintained at the demolition facilities. The duties of the Environmental Office continue to expand. Staffing levels will be evaluated periodically to ensure sufficient staff is available to meet the demands of County residents. There is currently some discussion on possibly replacing the receptionist position.

The County does not anticipate any additional changes, other than the receptionist position, to the solid waste staffing throughout the period covered by this Update.

### **Solid Waste Funding and Budget**

The ten-year budget projection may be found in Appendix B. The ten-year projection includes planned expenditures and funding levels and sources. The projection assumes a three percent inflation factor. Existing funding amounts and sources can be found in the ten year budget projection noted above. Planned abatement costs are included in the SCORE section. Processing and landfill costs are included in the Solid Waste Section. These expenditures are primarily for operation and maintenance. Minimal capital expenditures are anticipated throughout the period covered by this Update. In the 2016 base year the cost per household was \$ 67.00. The cost per ton was \$65.00.

### **Plan Review and Update**

This Update will expire in 2028. The County will begin review of the Update in 2027. A draft will be submitted to the MPCA in 2027. Following MPCA review, the final draft will be submitted prior to the expiration in 2028.

### **Mitigation of Environmental Risks**

#### **Existing Program**

The County Solid Waste Ordinance prohibits open burning of solid waste. The County Board will not prohibit farm disposal of solid waste as long as onsite disposal is allowed by state law.

Red Lake County has been very happy with the results of the County's program to reduce onsite disposal. In 2016, the on-site disposal rate was estimated at approximately twenty people, with an estimate of approximately 8 tons disposed of improperly. There is service available in all areas of the County. The on-site reduction program consists primarily of an education program to inform the residents about the public and environmental health problems associated with open dumps, and continuing evaluation of the rural collection program to ensure the disposal needs of the residents are met. We want to make sure that this educational process makes them aware that environmental contamination can be in three ways: Air, Surface water and Ground water.

#### **Proposed Program**

The County proposes to continue the existing program throughout the period covered by this Update.

#### **Public Participation Program**

Red Lake County is a small County with only 3,996 residents. County government is very accessible. Public input is received by County staff and the Commissioners on a daily basis. Based upon the lack of comment on the existing solid waste management program, the Board has determined it is not necessary to attempt extraordinary public informational activities for the areas of the Update with no changes..

# RED LAKE COUNTY COMMISSIONERS SOLID WASTE PLAN RESOLUTION

## Resolution No. 05-02-18

A motion was made by Commissioner John Lerohl, seconded by Commissioner Charles Simpson and carried to adopt the following resolution:

WHEREAS, the State of Minnesota requires Counties to develop and adopt a Solid Waste Plan in accordance with Minnesota Statutes §§ 115A.46; 115A.471; 115A.551, subd. 6-7; 115A.552; 115A.557, subd. 2-3; 115A.63; 115A.84; 115A.914; 115A.96, subd. 6-7; 115A.917; 115A.97; Minnesota Rules 9215; and any other applicable Statutes and Rules; and

WHEREAS, the State of Minnesota requires said Solid Waste Plans to be reviewed and/or modified periodically. Said timeline for Solid Waste Plan update is every 10 calendar years;

WHEREAS, Red Lake County recognizes the need and responsibility to plan for and practice environmentally sound methods for managing its solid waste streams; and

WHEREAS, Red Lake County recognizes the need to plan for and implement various strategies, programs, or facilities, to promote the proper management and disposal of solid waste generated within the County. The County will encourage reduction, reuse, recycling, composting, and/or advanced processing of solid waste with technologies available based upon the type of solid waste material generated and the capability of the integrated solid waste management system in place; and

WHEREAS, the Red Lake County Solid Waste Plan does describe the integrated solid waste management system currently in place to meet the needs of the County's citizens and the requirements of the State of Minnesota; and

WHEREAS, the State of Minnesota has placed the Red Lake County Solid Waste Plan on notice, in accordance with the requirements for publication, notice and comment period; and

WHEREAS, upon completion of the public comment period. No comments were received in objection to the adoption of the Red Lake County Solid Waste Plan.

THEREFORE BE IT RESOLVED, that Red Lake County agrees to maintain and implement the Plan as required by Minn. Rules pt. 9215.0530, subp.1 and 2.

THEREFORE, BE IT RESOLVED, that the Red Lake County Board of Commissioners hereby approves and adopts the Red Lake County Solid Waste Management Plan and supporting documentation, dated May 22, 2018.

THEREFORE BE IT RESOLVED, that the Red Lake County Board of Commissioners hereby submit the Red Lake County Solid Waste Plan to the Commissioner of the Minnesota Pollution Control Agency for final approval pursuant to applicable Minnesota Statutes and Rules.

STATE OF MINNESOTA

COUNTY OF RED LAKE

I, Robert Schmitz, County Auditor in and for Red Lake County, Minnesota, do hereby certify that the foregoing is a true and correct copy of a part of the proceedings adopted by the Red Lake County Board.

Date: 5/22/18



Red Lake County Auditor

-Equal Opportunity Employer-

## **APPENDIX A**

### **GOAL VOLUME TABLE**

## COUNTY Goal Volume Table

Municipal Solid Waste Generation Projections and Management Method Goals									
	BASE YEAR	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year	
	2016	2017	2018	2019	2020	2021	2022		
Population projection	3996	3993	3991	3988	3986	3983	3981		
Recycling -- tons	211	267	307	347	387	427	467		
Recycling -- rate	11.86%	15.01%	17.26%	19.51%	21.75%	24.00%	26.25%	2	
Resource Recovery -- tons	0	0	0	0	0	0	0		
Resource Recovery -- rate									
Land Disposal -- tons	1560	1504	1464	1424	1384	1344	1304		
Land Disposal -- rate	87.69%	84.54%	82.29%	80.04%	77.80%	75.55%	73.30%	7	
Population utilizing on-site disposal	20	20	20	20	20	20	20		
On-site disposal -- tons	8	8	8	8	8	8	8		
On-site disposal -- rate	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%		
Total projected MSW generation (tons)	1779	1779	1779	1779	1779	1779	1779		
% Residential	75.00%	75.00%	75.00%	75.00%	75.00%	75.00%	75.00%	7	
% C/I/I	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	2	
Per-capita MSW generation (lbs)	890.39	891.06	891.51	892.18	892.62	893.30	893.75		

## **APPENDIX B**

### **TEN YEAR BUDGET**

RED LAKE COUNTY - Ten Year Budget Projections												
2017 Solid Waste Plan												
Expenditures:	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Total
<b>Environmental</b>												
6100-Personnel Svc's	\$58,600	\$58,776	\$58,952	\$59,129	\$59,306	\$59,484	\$59,663	\$59,842	\$60,021	\$60,201	\$60,382	\$654,357
6200-other services	\$3,700	\$3,711	\$3,722	\$3,733	\$3,745	\$3,756	\$3,767	\$3,778	\$3,790	\$3,801	\$3,813	\$41,316
6400-supplies	\$16,800	\$16,850	\$16,901	\$16,952	\$17,003	\$17,054	\$17,105	\$17,156	\$17,207	\$17,259	\$17,311	\$187,597
6600-Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education	\$1,000	\$1,100	\$1,200	\$1,300	\$1,400	\$1,500	\$1,600	\$1,700	\$1,800	\$1,900	\$2,000	\$16,500
<b>Subtotal</b>	<b>\$80,100</b>	<b>\$80,437</b>	<b>\$80,775</b>	<b>\$81,114</b>	<b>\$81,453</b>	<b>\$81,794</b>	<b>\$82,135</b>	<b>\$82,476</b>	<b>\$82,818</b>	<b>\$83,162</b>	<b>\$83,505</b>	<b>\$899,770</b>
<b>Solid Waste</b>												
6100-Personnel Svc's	\$39,500	\$39,619	\$39,737	\$39,857	\$39,976	\$40,096	\$40,216	\$40,337	\$40,458	\$40,579	\$40,701	\$441,077
6200-other services	\$8,200	\$8,225	\$8,249	\$8,274	\$8,299	\$8,324	\$8,349	\$8,374	\$8,399	\$8,424	\$8,449	\$91,565
6400-supplies	\$500	\$502	\$503	\$505	\$506	\$508	\$509	\$511	\$512	\$514	\$515	\$5,583
6600-Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education	\$1,000	\$1,200	\$1,400	\$1,500	\$1,600	\$1,700	\$1,800	\$1,900	\$2,000	\$2,100	\$2,200	\$18,400
<b>Subtotal</b>	<b>\$49,200</b>	<b>\$48,345</b>	<b>\$48,490</b>	<b>\$48,635</b>	<b>\$48,781</b>	<b>\$48,927</b>	<b>\$49,074</b>	<b>\$49,221</b>	<b>\$49,369</b>	<b>\$49,517</b>	<b>\$49,666</b>	<b>\$539,225</b>
<b>SCORE</b>												
6100-Personnel Svc's	\$24,078	\$24,150	\$24,223	\$24,295	\$24,368	\$24,441	\$24,515	\$24,588	\$24,662	\$24,736	\$24,810	\$268,867
6200-other services	\$64,604	\$64,798	\$64,992	\$65,187	\$65,383	\$65,579	\$65,776	\$65,973	\$66,171	\$66,369	\$66,568	\$721,400
6400-supplies	\$1,200	\$1,204	\$1,207	\$1,211	\$1,214	\$1,218	\$1,222	\$1,225	\$1,229	\$1,233	\$1,236	\$13,400
6600-Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Education	\$1,000	\$1,500	\$2,000	\$3,000	\$3,500	\$4,000	\$5,000	\$5,500	\$6,000	\$6,500	\$7,000	\$45,000
<b>Subtotal</b>	<b>\$90,882</b>	<b>\$90,152</b>	<b>\$90,422</b>	<b>\$90,693</b>	<b>\$90,965</b>	<b>\$91,238</b>	<b>\$91,512</b>	<b>\$91,787</b>	<b>\$92,062</b>	<b>\$92,338</b>	<b>\$92,615</b>	<b>\$1,004,667</b>
<b>Grand Total</b>	<b>\$220,182</b>	<b>\$218,934</b>	<b>\$219,687</b>	<b>\$220,443</b>	<b>\$221,200</b>	<b>\$221,959</b>	<b>\$222,721</b>	<b>\$223,484</b>	<b>\$224,249</b>	<b>\$225,017</b>	<b>\$225,786</b>	<b>\$2,443,661</b>
<b>Revenue:</b>												
Base yr. 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Total	
General Revenue	\$140,621	\$139,339	\$140,059	\$140,782	\$141,507	\$142,233	\$142,962	\$143,692	\$144,424	\$145,158	\$145,894	\$1,566,670
SCORE	\$68,710	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$68,711	\$755,820
Tipping Fees	\$10,530	\$10,562	\$10,593	\$10,625	\$10,657	\$10,689	\$10,721	\$10,753	\$10,785	\$10,818	\$10,850	\$117,583
Recyclable Sales	\$321	\$322	\$323	\$324	\$325	\$326	\$327	\$328	\$329	\$330	\$331	\$3,588
<b>Grand Total</b>	<b>\$220,182</b>	<b>\$218,934</b>	<b>\$219,687</b>	<b>\$220,443</b>	<b>\$221,200</b>	<b>\$221,959</b>	<b>\$222,721</b>	<b>\$223,484</b>	<b>\$224,249</b>	<b>\$225,017</b>	<b>\$225,786</b>	<b>\$2,443,661</b>



## **APPENDIX C**

**MAR-KIT**

**MSW**

**CONTRACT**

## SOLID WASTE DISPOSAL AGREEMENT

This Agreement is made and entered into by and between the County of Red Lake (herein "Red Lake County"), a political subdivision of the State of Minnesota, and MAR-KIT Landfill Joint Powers Board (herein "Mar-Kit") a joint powers organization of the Counties of Marshall and Kittson, two political subdivisions of the State of Minnesota.

### RECITALS

Red Lake County has a statutory responsibility to provide disposal facilities for solid waste generated within its jurisdiction pursuant to Minn. Stat. Chapter 400.

Mar-Kit owns and operates a landfill located in Section 12, Thompson Township, Kittson County, Minnesota (the Mar-Kit Landfill) which is permitted to dispose of solid waste and has capacity to accommodate waste generated in Red Lake County.

Mar-Kit and Red Lake County agree that the Mar-Kit Facility shall be used for disposal of solid waste generated in Red Lake County.

NOW THEREFORE, in consideration of the benefits that each party will derive from this Agreement and the mutual promises and covenants set forth herein, Mar-Kit and Red Lake County hereby agree as follows:

### AGREEMENT

- Authority. Mar-Kit and Red Lake County represent to each other that this Agreement is a valid and legally binding obligation of their respective boards and is enforceable in accordance with the provisions contained herein. Specifically, Red Lake County and Mar-Kit represent that they have the requisite authority to enter into this Agreement, that they have complied with the necessary legal requirements relating to its execution and that the persons executing this Agreement have the requisite power and authority to do so.
- Waste Disposal. Beginning January 1, 2016 and continuing for thereafter until December 31, 2025, Red Lake County agrees to arrange for delivery for disposal of not less than 1,300 tons (minimum tonnage) per year and not more than the minimum tonnage plus 50% (maximum tonnage) of mixed municipal solid waste generated in Red Lake County to the Mar-Kit Facility. Mar-Kit agrees to reserve space sufficient to accommodate the amount of mixed municipal solid waste agreed herein to be delivered by Red Lake County and to dispose the same in accordance with state and federal requirements at the current Mar-Kit Facility.
- Hauling. Red Lake County shall arrange for the hauling of the solid waste to the Facility either in trailers of its own or with other equipment. Red Lake County agrees to deliver the waste at the Facility only between the hours of 7:30 A.M. and 3:30 P.M. on the days of Monday through Friday, excluding holidays as defined by the Mar-Kit Landfill Employment Handbook or as otherwise agreed to by the parties.

4. **Acceptable and Unacceptable Waste.** This Agreement relates exclusively to the disposal of solid waste as defined in Minn. Stat. Section 116.06, Subd. 10. Wastes which are prohibited from disposal at a solid waste sanitary facility by state or federal law or regulation may not be disposed by Red Lake County at the Facility. In summary, prohibited waste presently includes waste defined as hazardous, sewage sludge, septic tank pumpings, infectious waste, waste oil, radioactive waste, or wastes containing free liquids as specified in Minn. Rules Part 7035.2535.
5. **Disposal Requirements.** Red Lake County shall comply with all state and federal laws and regulations applicable to the disposal of its waste and all reasonable requirements (which may include a pre-processing requirement or a handling surcharge to be negotiated for concentrations of unusually low density, non-compactable or otherwise difficult to handle materials) established by Mar-Kit with regard to the disposal of waste and the operation of the Facility. Mar-Kit shall advise Red Lake County of its requirements and any changes thereto at least 60 days in advance of the implementation of the requirements or changes. Red Lake County shall also advise Mar-Kit of any major changes in its waste hauling and disposal practices at least 60 days in advance of said changes.
6. **Unacceptable Waste Delivery.** Mar-Kit may reject the delivery of any unacceptable wastes brought to the Facility by Red Lake County. Red Lake County shall promptly make arrangements for the collection and alternative disposal of such waste. In the event that Red Lake County fails to promptly make alternative disposal arrangements, Mar-Kit may arrange for the disposal of these materials at its discretion as authorized by law. Red Lake County shall pay any additional costs incurred by Mar-Kit in the collection, transportation, and disposal of unacceptable wastes. Unless otherwise agreed in advance, a part of the cost of disposal of household hazardous wastes pulled from the waste stream at the Mar-Kit facility shall be charged to Red Lake County in proportion to Red Lake County's total contribution of waste.
7. **Reservation of Disposal Capacity.** Mar-Kit agrees to reserve enough air space and operational capacity at the Facility to enable it to comply with this agreement, including any adjustments, throughout its term.
8. **Disposal Fee.** Red Lake County shall pay Mar-Kit \$50.00 per ton (includes closure fees) for the disposal of solid waste at the Facility during the time period of this agreement. Mar-Kit agrees that these disposal fees shall cover the entire cost of operating the Facility as well as closing it and for providing contingency or remedial action and performing post closure monitoring and maintenance and that it will not attempt subsequently to collect additional funds from Red Lake County for the disposal of waste at the Facility pursuant to the terms of this Agreement.
9. **Governmental Charges.** In addition to the disposal fee, Red Lake County shall pay all taxes, fees and charges lawfully required by the State of Minnesota or the federal Government. Red Lake County shall not be required to pay any additional charges which Mar-Kit otherwise imposes on the disposal of waste at its Facility. Mar-Kit shall provide a listing of the amount of Governmental Charges owed by Red Lake County on each invoice for payment.

10. Minimum Payment Requirement. Red Lake County agrees that if in any year of this agreement ("agreement year" measured with reference to the starting date in Paragraph 2) Red Lake County does not deliver the minimum tonnage of acceptable waste to Mar-Kit agreed to herein; Red Lake County will pay a shortage-fee of \$40.00 per ton for each ton it is short of the agreed minimum tonnage. The shortage-fee will be payable at the same time as and in addition to the normal tipping fees for the last month of the agreement year.
11. Records and Payments. Red Lake County and Mar-Kit shall both keep records of the amount of Red Lake County solid waste disposed at the Facility. Mar-Kit shall maintain a certified truck weighing scale at or near the Facility and all Red Lake County waste shall be weighed prior to disposal. Mar-Kit shall maintain a record of each delivery of Red Lake County waste which includes the gross weight, tare weight, date, truck identification number, and total tonnage of acceptable waste determined to have been delivered to the Facility. On or before the 10th day of each month, Mar-Kit shall submit an invoice to Red Lake County identifying the total tonnage of Red Lake County waste disposed at the Facility and the required disposal fee as well as any Governmental Charges. Red Lake County shall pay this sum within one month following the receipt of the invoice. In the event of disagreements with regard to waste tonnage or payment requirements, Red Lake County shall promptly notify Mar-Kit upon receipt of the invoice, make payment with regard to any undisputed amount and work cooperatively to resolve any discrepancies.
12. Severability. If any term or condition of this agreement is illegal, invalid, or unenforceable under present or future laws effective during the term of this agreement, it is the intention of both parties that the remainder of this agreement shall continue in effect if reasonably possible and that in lieu of any such term or condition, there be added as part of this agreement a term or condition as similar as possible and also legal, valid and enforceable. In the event Mar-Kit is not able to obtain permitting or is otherwise prevented by legislative or court action from lawfully receiving mixed municipal solid waste for disposal, this agreement shall terminate.
13. Indemnification. Mar-Kit agrees that it shall indemnify and defend Red Lake County from any liability or claim of liability rising out of the disposal of waste in accordance with this Agreement unless such liability or claim of liability arises as a direct and expected result of activity by Red Lake County which is negligent or unlawful at the time it occurs. This provision is not a waiver or modification of the parties' rights to limit environmental liabilities as provided in Minn. Stat. § 466.04.
14. Agreement Administrator. The Mar-Kit Landfill Manager and Red Lake County's Environmental Officer shall be the individuals responsible for the day to day interpretation and administration of this Agreement. All questions, requests and concerns relating to this Agreement shall initially be addressed to these administrators or their designees.

15. Assignment. Neither Mar-Kit nor Red Lake County shall assign this Agreement or transfer any interest in the same without the prior written consent of the other party. Consent to a transfer of a part of Red Lake County's tonnage allotment to another waste provider shall not be unreasonably withheld by Mar-Kit where doing so would have no direct adverse economic consequences to Mar-Kit.

16. Notices. All notices and consents required or permitted by this Agreement must be in writing and, if mailed, shall be deemed to have been given when mailed by registered or certified mail, return receipt requested, postage prepaid and addressed as follows:

If to Red Lake County: Red Lake County  
PO Box 265  
Red Lake Falls, MN 56750

If to MAR-KIT: MAR-KIT Landfill Manager  
2650 290<sup>th</sup> Ave  
Hallock, MN 56728

17. Prior Agreements. This Agreement, in all respects, supersedes and replaces the previous agreement between the parties hereto.

18. Amendment. This Agreement may be amended or modified or its provisions waived only by a written amendment executed by and on behalf of the parties hereto, or in the case of a waiver, by the party waiving compliance. The failure of any party at any time to require performance of any provision in this Agreement shall in no manner affect the right to enforce that provision or any other provision at any time thereafter.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be fully executed as of the 9 day of December, 2015.

MAR-KIT Landfill Joint Powers  
Board

By: [Signature]  
MAR-KIT Board Chairperson

By: [Signature]  
MAR-KIT Board Secretary

Red Lake County Board

By: [Signature]  
Red Lake County Board Chairperson

By: [Signature]  
Red Lake County Board Auditor

8-1-15

APPROVED AS TO FORM AND EXECUTION

Date: 12/28/15

Date: 08/11/2015

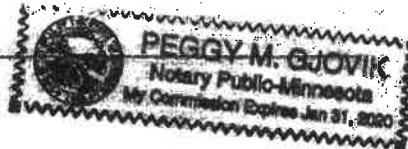
By: George Hanson  
George Hanson  
Attorney for MAR-KIT Board

By: Michael R. Courvere  
Attorney for Red Lake County

STATE OF MINNESOTA )  
 ) SS.  
COUNTY OF KITTSON )

The foregoing was acknowledged before me this 9 day of December, 2015, by John Anderson and Sharon Brink, the Chairperson and Secretary of MAR-KIT Landfill Joint Powers Board, a governmental instrumentality under the laws of Minnesota, on behalf of the Board.

Peggy M. Gjovik  
Notary Public

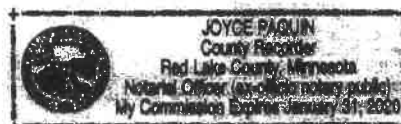


STATE OF MINNESOTA )  
 ) SS.  
COUNTY OF RED LAKE )

The foregoing was acknowledged before me this 11<sup>th</sup> day of August, 2015, by Bob Weiss, and

Bob Schmitz the Chairperson and Auditor of Red Lake County, a political subdivision of the State of Minnesota, on behalf of Red Lake County.

Joyce Paguin  
Notary Public



## **APPENDIX D**

### **LES'S SANITATION RECYCLING CONTRACT**

AGREEMENT FOR  
COLLECTION OF RECYCLABLES

THIS AGREEMENT, Made and entered into this 10<sup>th</sup> day of December, 2015  
by and between Red Lake County, Minnesota, a Minnesota political subdivision, hereafter  
"County", and Les's Sanitation, a Minnesota corporation, hereafter "Les's",  
WITNESSETH:

WHEREAS, County desires to have Les's pick up and dispose of recyclables, and

WHEREAS, Les's is willing to pick up and dispose of County's recyclables,

NOW, THEREFORE, In consideration of the conditions and covenants expressed herein,  
the parties hereto, their successors and assigns, agree as follows:

1. RECYCLABLE PICKUP. Les's shall pick up certain recyclables at certain  
locations on behalf of County.

1.1. Recyclables defined. Recyclables shall be defined to only include  
aluminum, tin, plastic, glass, and newspapers.

1.2. Location. Les's shall place roll-offs to collection the recyclables at the  
following locations:

1.2.1. Two roll-offs at Red Lake Falls, Minnesota, to be emptied once a  
week;

1.2.2. One roll-off at Oklee, Minnesota, to be emptied every other week;

1.2.3. One roll-off at Plummer, Minnesota, to be emptied every other  
week; and

1.2.4. One roll-off at Brooks, Minnesota, to be emptied at such time as  
requested by the Red Lake County Environmental Officer.

1.3. Placement. County shall provide Les's with locations to place the roll-  
offs, which locations shall have adequate access for Les's equipment.

2. TERM. This Agreement shall commence March 1, 2016, and shall terminate  
February 29, 2021, unless sooner terminated as provided herein.

2.1. Option. Les's shall have the option to renew this Agreement for two additional five-year  
terms. In order to exercise this option to renew, Les's shall notify County 120 days prior to the termination  
of this Agreement and the initial option term of its desire to renew and Les's must be current in the  
performance of its obligations set forth in this Agreement.

The terms and conditions shall remain the same for the renewal term except that the prices  
for each renewal term shall be negotiated and agreed upon by both parties.

3. PAYMENT. County shall pay to Les's the sum of \$39,500.00 per year for each  
year of this Agreement to be paid in two installments, the first on May 1 and the second on  
December 1 of each year.



4. **DISPOSAL OF RECYCLABLES.** Les's shall be responsible for disposing of the recyclables and Les's shall be entitled to the proceeds, if any, received from the disposal of the recyclables:

5. **SITE CARE.** The sites for the roll-offs shall be cared for as follows:

5.1. **Roll-offs.** Les's shall be responsible for the care and maintenance of its roll-offs and shall pick up any recyclables that fall from its roll-offs while loading or unloading.

5.2. **Yard Area.** County shall be responsible for the clean-up and maintenance of the sites where the roll-offs are located, to include removal of snow and ice.

5.3. **Non-recyclables.** County shall be responsible for any items left at the sites of the roll-offs that are not defined as recyclables herein.

6. **DEFAULT.** If said payments required by paragraph 3 herein are not paid when they become due, Les's shall provide County with notice and County's default and County shall have 14 days to cure said default.

If either party is in default of the performance of any of the terms or conditions of this Agreement, other than payment of rent as set forth above, then the non-defaulting party shall notify the defaulting party of the exact nature of the default and the defaulting party shall have 20 days to cure said default.

If the defaulting party does not contest the notice of default or does not cure the default in the allowed time, then the non-defaulting party shall have the right to immediately terminate this Agreement.

Upon termination of this Agreement, any remaining payments due Les's by County shall be immediately paid and Les's shall immediately remove its roll-offs from the County locations. Also, upon termination of this Agreement, Les's shall immediately pay to County that portion of any payments paid to Les's by County which payments have not been fully earned, such reimbursement shall be on a pro-rata basis.

7. **RELATIONSHIP.** For the purpose of this Agreement, Les's, its employees and agents, shall be deemed to be an independent contractor and not an employee of the County. Les's shall maintain at its own expense all equipment and personnel necessary to fulfill its obligations under this Agreement. Les's, its employees and agents, shall be entitled to none of the rights, privileges, or benefits of County employees.

8. **INSURANCE.** Les's shall keep in force at all times during this Agreement comprehensive automobile liability insurance meeting the requirements of the State of Minnesota, worker's compensation insurance meeting the requirements of the State of Minnesota, and comprehensive general liability insurance covering bodily injury and property damage in a combined single limit of at least \$3,000,000.00.

9. ENTIRE AGREEMENT INVALIDITY. This Agreement sets forth the entire agreement between the parties and there are no representations or warranties except as expressly set forth herein. No amendment or modification of this Agreement shall be valid unless in writing and signed by the parties hereto. Should any clause or provisions of this Agreement become invalid for any reason, such invalidity shall not result in the invalidity or unenforceability of any other clause or provisions of this Agreement.

10. COMMUNICATIONS. All communications and notices required herein shall be in writing, mailed by certified mail, return receipt requested, to the last known address of the other party, to be effective on the date of mailing. The address of each party, unless otherwise notified as required herein, is as follows:

County:

Les's

ATTN: County Environmental Officer  
Red Lake County Courthouse  
124 Langevin Avenue  
P.O. Box 265  
Red Lake Falls, MN 56750

Les's Sanitation  
1345 Highway 32 South  
P.O. Box 757  
Thief River Falls, MN 56701

11. GOVERNING LAW. This Agreement shall be governed and construed in accordance with the laws of the State of Minnesota.

12. TITLES AND HEADINGS. The titles and headings used herein are for convenience only and do not constitute any part of this Agreement.

IN WITNESS WHEREOF, The parties hereto have executed this Agreement.

Red Lake County

By: Ron Weira 12-10-15  
Its Chairman

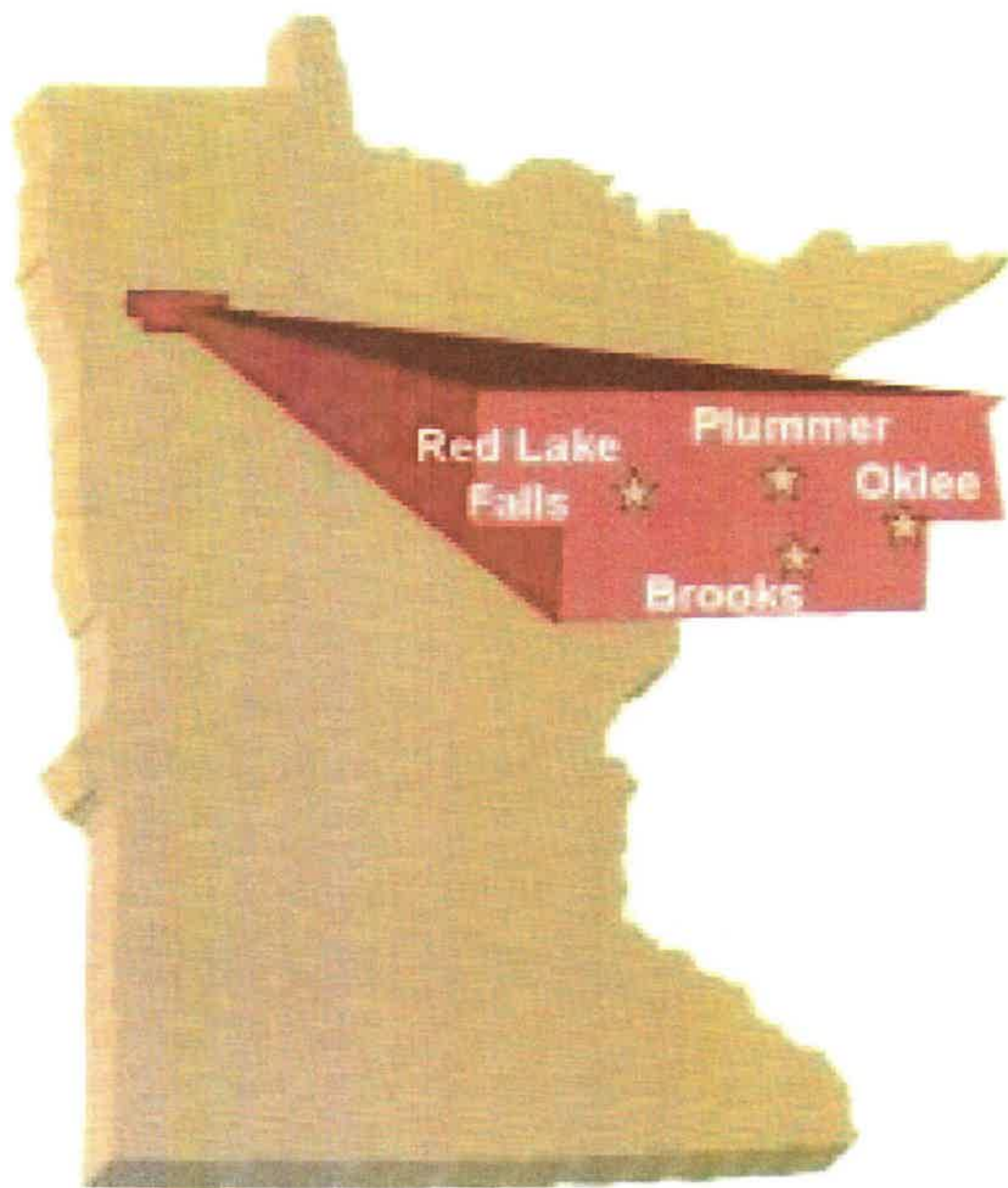
By: Robert Schmidt  
Its County Auditor 12-10-15

Les's Sanitation

By: Pamela Sully 12-14-15  
Its President

**APPENDIX E**

**DEMOGRAPHIC  
INFORMATION**



WIKIPEDIA

# Red Lake County, Minnesota

**Red Lake County** is a county located in the U.S. state of Minnesota. As of the 2010 census, the population was 4,089,<sup>[3]</sup> making it the third-least populous county in Minnesota. Its county seat is Red Lake Falls.<sup>[4]</sup>

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## History

Red Lake County was formed on December 24, 1896 from sections of Polk County. It was named after the Red Lake River.<sup>[5]</sup>

The county has two sites on the National Register of Historic Places: the courthouse and Clearwater Evangelical Lutheran Church.

## Geography

According to the U.S. Census Bureau, the county has a total area of 432 square miles (1,120 km<sup>2</sup>), of which 432 square miles (1,120 km<sup>2</sup>) is land and 0.09 square miles (0.23 km<sup>2</sup>) (0.02%) is water.<sup>[6]</sup>

Despite its name, Red Lake County contains only one named lake: Moran Lake, near Huot.<sup>[7]</sup>

Red Lake County is the only landlocked county in the United States (excluding those on international borders) to border exactly two other counties.<sup>[8]</sup>

### Major highways

- U.S. Highway 2
- U.S. Highway 59
- Minnesota State Highway 32
- Minnesota State Highway 82
- Minnesota State Highway 222
- Red Lake County 1: Connects the cities of Red Lake Falls and Plummer.
- Red Lake County 11: Connects the cities of Red Lake Falls with the community of Gentilly and the Crookston US-2 Truck Bypass.

### Adjacent counties

- Pennington County (north)
- Polk County (south)

## Demographics

As of the 2010 census,<sup>[14]</sup> there were 4,299 people, 1,727 households, and 1,131 families residing in the county. The population density was 10 people per square mile (4/km<sup>2</sup>). There were 1,883 housing units at an average density of 4 per square mile (2/km<sup>2</sup>). The racial makeup of the county was 97.44% White, 0.19% Black or African American, 1.84% Native American, 0.07% Asian, 0.12% from other races, and 0.35% from two or more races. 0.30% of the population were Hispanic or Latino of any race. 31.9% were of Norwegian, 25.0% German, 16.7% French and 6.3% French Canadian ancestry.

There were 1,727 households out of which 30.70% had children under the age of 18 living with them, 55.40% were married couples living together, 6.80% had a female householder with no husband present, and 34.50% were non-families. 30.50% of all households were made up of individuals and 15.50% had someone living alone who was 65 years of age or older. The average household size was 2.39 and the average family size was 3.02.

In the county, the population was spread out with 25.50% under the age of 18, 7.50% from 18 to 24, 24.70% from 25 to 44, 23.20% from 45 to 64, and 19.10% who were 65 years of age or older. The median age was 40 years. For every 100 females there were 100.80 males. For every 100 females age 18 and over, there were 99.90 males.

### Red Lake County, Minnesota



The Red Lake County Courthouse in Red Lake Falls in 2007



Location in the U.S. state of Minnesota



Minnesota's location in the U.S.

<b>Founded</b>	December 24, 1896 <sup>[1]</sup>
<b>Named for</b>	Red Lake and Red Lake River
<b>Seat</b>	Red Lake Falls
<b>Largest city</b>	Red Lake Falls
<b>Area</b>	
• <b>Total</b>	432 sq mi (1,119 km <sup>2</sup> )
• <b>Land</b>	432 sq mi (1,119 km <sup>2</sup> )
• <b>Water</b>	0.09 sq mi (0 km <sup>2</sup> ), 0.02%
<b>Population (est.)</b>	
• <b>(2016)</b>	4,007
• <b>Density</b>	9.5/sq mi (3.7/km <sup>2</sup> )
<b>Congressional district</b>	7th
<b>Time zone</b>	Central: UTC−6/−5
<b>Website</b>	www.co.red-lake.mn.us (http://www.co.red-lake.mn.us/)



Soils of Red Lake County<sup>[2]</sup>



The median income for a household in the county was \$32,052, and the median income for a family was \$40,275. Males had a median income of \$28,494 versus \$20,363 for females. The per capita income for the county was \$15,372. About 8.40% of families and 10.80% of the population were below the poverty line, including 11.50% of those under age 18 and 13.10% of those age 65 or over.

## Communities

### Cities

- Brooks
- Oklee
- Plummer
- Red Lake Falls (county seat)

### Townships

- Browns Creek Township
- Emardville Township
- Equality Township
- Garnes Township
- Gervais Township
- Lake Pleasant Township
- Lambert Township
- Louisville Township
- Poplar River Township
- Red Lake Falls Township
- River Township
- Terrebonne Township
- Wylie Township

### Unincorporated communities

- Dorothy
- Huot
- Perault
- Terrebonne

## Politics

## See also

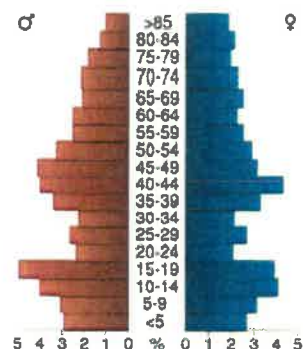
- National Register of Historic Places listings in Red Lake County, Minnesota

## Footnotes

- "Minnesota Place Names" (<http://mnplaces.mnhs.org/upham/county.cfm>). Minnesota Historical Society. Retrieved March 19, 2014.
- Nelson, Steven (2011). *Savanna Soils of Minnesota*. Minnesota:Self. pp. 57-60. ISBN 978-0-615-50320-2.
- "State & County QuickFacts" (<http://quickfacts.census.gov/qfd/states/27/27125.html>). United States Census Bureau. Retrieved September 1, 2013.
- "Find a County" (<http://www.naco.org/Countries/Pages/FindACounty.aspx>). National Association of Counties. Retrieved 2011-06-07.
- Upham, Warren (1920). *Minnesota Geographic Names: Their Origin and Historic Significance* (<https://books.google.com/books?id=ShcLAAAYAAJ&pg=PA445>). Minnesota Historical Society. p. 445.
- "2010 Census Gazetteer Files" ([https://www.census.gov/geo/maps-data/data/docs/gazetteer/counties\\_list\\_27.txt](https://www.census.gov/geo/maps-data/data/docs/gazetteer/counties_list_27.txt)). United States Census Bureau. August 22, 2012. Retrieved October 24, 2014.
- <http://www.dnr.state.mn.us/lakefind/search.html?name=&county=63>
- <http://www.howderfamily.com/blog/fewest-county-borders-red-lake/>
- "Population and Housing Unit Estimates" (<https://www.census.gov/programs-surveys/popest/data/tables/2016.html>). Retrieved June 9, 2017.
- "U.S. Decennial Census" (<https://www.census.gov/prod/www/decennial.html>). United States Census Bureau. Retrieved October 24, 2014.
- "Historical Census Browser" (<http://mapserver.lib.virginia.edu>). University of Virginia Library. Retrieved October 24, 2014.
- "Population of Counties by Decennial Census: 1900 to 1990" (<https://www.census.gov/po/pulation/cencounts/mn190090.txt>). United States Census Bureau. Retrieved October 24, 2014.
- "Census 2000 PHC-T-4. Ranking Tables for Counties: 1990 and 2000" (<https://www.census.gov/population/www/cen2000/briefs/phc-t4/tables/tab02.pdf>) (PDF). United States Census Bureau. Retrieved October 24, 2014.
- "American FactFinder" (<http://factfinder2.census.gov>). United States Census Bureau. Retrieved 2008-01-31.
- <http://uselectionatlas.org/RESULTS>

## Further reading

- Anne Healy and Sherry Kankel, *A History of Red Lake County, Red Lake County, Minnesota*. Red Lake Falls, MN: Ray Miller, 2003.
- Christopher Ingraham, "I Called This Place 'America's Worst Place to Live.' Then I Went There." (<https://www.washingtonpost.com/news/workblog/wp/2015/09/03/i-called-this-place-americas-worst-place-to-live-then-i-went-there/>) *Washington Post*, Sept. 3, 2015.
- Oklee Golden Jubilee Historical Committee, *The Oklee Community Story*. n.c.: Oklee Golden Jubilee Historical Committee, 1960.



Age pyramid of county residents based on 2000 U.S. census data

### Historical population

Census	Pop.	%±
1900	12,195	—
1910	6,564	−46.2%
1920	7,263	10.6%
1930	6,887	−5.2%
1940	7,413	7.6%
1950	6,806	−8.2%
1960	5,830	−14.3%
1970	5,388	−7.6%
1980	5,471	1.5%
1990	4,525	−17.3%
2000	4,299	−5.0%
2010	4,089	−4.9%
Est. 2016	4,007 <sup>[8]</sup>	−2.0%

U.S. Decennial Census<sup>[10]</sup>  
 1790-1960<sup>[11]</sup> 1900-1990<sup>[12]</sup>  
 1990-2000<sup>[13]</sup> 2010-2016<sup>[3]</sup>

Presidential Elections Results <sup>[15]</sup>				
Year	Republican	Democratic	Third Parties	
2016	60.7% 1,141	28.7% 540	10.6% 200	
2012	49.5% 978	47.0% 928	3.5% 69	
2008	44.9% 983	51.1% 1,120	4.0% 88	
2004	53.5% 1,164	44.2% 963	2.3% 50	
2000	52.2% 1,090	39.7% 830	8.1% 170	
1996	33.0% 695	50.0% 1,053	17.0% 358	
1992	31.4% 591	45.3% 1,020	22.3% 490	
1988	42.2% 918	56.5% 1,229	1.3% 28	
1984	47.5% 1,184	51.9% 1,294	0.6% 15	
1980	45.2% 1,223	48.7% 1,318	6.1% 166	
1976	28.4% 737	67.2% 1,748	4.4% 115	
1972	41.4% 1,052	55.5% 1,409	3.2% 80	
1968	31.0% 718	63.3% 1,467	5.7% 133	
1964	23.4% 573	76.0% 1,861	0.7% 16	
1960	26.6% 679	73.2% 1,865	0.2% 5	
1956	33.4% 782	66.3% 1,555	0.3% 8	
1952	41.5% 1,034	57.5% 1,431	1.0% 26	
1948	24.0% 592	71.8% 1,771	4.3% 105	
1944	31.4% 757	68.0% 1,642	0.6% 15	
1940	30.1% 876	69.4% 2,023	0.6% 16	
1936	18.4% 487	77.5% 2,057	4.1% 109	
1932	15.0% 351	80.9% 1,893	4.1% 97	
1928	31.6% 712	66.8% 1,507	1.6% 37	
1924	35.2% 643	11.7% 213	53.2% 971	
1920	62.4% 1,308	26.6% 558	11.0% 231	
1916	37.7% 483	56.5% 694	5.8% 71	
1912	27.9% 259	40.3% 374	31.9% 296	
1908	53.0% 1,428	31.8% 856	15.2% 410	
1904	68.0% 1,430	19.0% 399	13.0% 274	
1900	39.1% 823	55.3% 1,165	5.6% 117	

- Red Lake County Historical Society, *A History of Red Lake County, Red Lake County, Minnesota*. n.c.: Red Lake County Historical Society, 1976.
- Jeff M Sauve and Anne Healy, *Courthouse Centennial, 1910-2010*. n.c.: Red Lake County Historical Society, June 2010.

## External links

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- Red Lake County official website (<http://www.co.red-lake.mn.us/>), [www.co.red-lake.mn.us/](http://www.co.red-lake.mn.us/)
- 

Retrieved from "https://en.wikipedia.org/w/index.php?title=Red\_Lake\_County,\_Minnesota&oldid=814228313"

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DP03

## SELECTED ECONOMIC CHARACTERISTICS

2011-2015 American Community Survey 5-Year Estimates

**Note:** This is a modified view of the original table.

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

**Tell us what you think.** Provide feedback to help make American Community Survey data more useful for you.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Subject	Minnesota		Red Lake County, Minnesota	
	Estimate	Percent	Estimate	Percent
<b>EMPLOYMENT STATUS</b>				
Population 16 years and over	4,281,141	4,281,141	3,161	3,161
In labor force	2,996,985	70.0%	2,155	68.2%
Civilian labor force	2,994,959	70.0%	2,155	68.2%
Employed	2,827,195	66.0%	2,079	65.8%
Unemployed	167,764	3.9%	76	2.4%
Armed Forces	2,026	0.0%	0	0.0%
Not in labor force	1,284,156	30.0%	1,006	31.8%
Civilian labor force	2,994,959	2,994,959	2,155	2,155
Unemployment Rate	(X)	5.6%	(X)	3.5%
Females 16 years and over	2,170,404	2,170,404	1,558	1,558
In labor force	1,437,662	66.2%	1,004	64.4%
Civilian labor force	1,437,401	66.2%	1,004	64.4%
Employed	1,365,502	62.9%	980	62.9%
Own children of the householder under 6 years	410,714	410,714	321	321
All parents in family in labor force	304,851	74.2%	257	80.1%
Own children of the householder 6 to 17 years	824,862	824,862	657	657
All parents in family in labor force	648,674	78.6%	525	79.9%
<b>COMMUTING TO WORK</b>				
Workers 16 years and over	2,776,528	2,776,528	2,040	2,040
Car, truck, or van -- drove alone	2,166,347	78.0%	1,598	78.3%
Car, truck, or van -- carpooled	243,218	8.8%	223	10.9%
Public transportation (excluding taxicab)	97,633	3.5%	4	0.2%
Walked	78,431	2.8%	82	4.0%
Other means	46,437	1.7%	11	0.5%
Worked at home	144,462	5.2%	122	6.0%



Subject	Minnesota		Red Lake County, Minnesota	
	Estimate	Percent	Estimate	Percent
Mean travel time to work (minutes)	23.1	(X)	22.1	(X)
<b>OCCUPATION</b>				
Civilian employed population 16 years and over	2,827,195	2,827,195	2,079	2,079
Management, business, science, and arts occupations	1,115,444	39.5%	603	29.0%
Service occupations	468,669	16.6%	283	13.6%
Sales and office occupations	652,861	23.1%	544	26.2%
Natural resources, construction, and maintenance occupations	223,680	7.9%	288	13.9%
Production, transportation, and material moving occupations	366,541	13.0%	361	17.4%
<b>INDUSTRY</b>				
Civilian employed population 16 years and over	2,827,195	2,827,195	2,079	2,079
Agriculture, forestry, fishing and hunting, and mining	65,637	2.3%	169	8.1%
Construction	156,525	5.5%	166	8.0%
Manufacturing	382,798	13.5%	327	15.7%
Wholesale trade	81,498	2.9%	219	10.5%
Retail trade	318,240	11.3%	272	13.1%
Transportation and warehousing, and utilities	129,617	4.6%	141	6.8%
Information	51,897	1.8%	29	1.4%
Finance and insurance, and real estate and rental and leasing	202,771	7.2%	41	2.0%
Professional, scientific, and management, and administrative and waste management services	276,299	9.8%	58	2.8%
Educational services, and health care and social assistance	700,967	24.8%	375	18.0%
Arts, entertainment, and recreation, and accommodation and food services	237,852	8.4%	123	5.9%
Other services, except public administration	128,060	4.5%	83	4.0%
Public administration	95,034	3.4%	76	3.7%
<b>CLASS OF WORKER</b>				
Civilian employed population 16 years and over	2,827,195	2,827,195	2,079	2,079
Private wage and salary workers	2,327,133	82.3%	1,604	77.2%
Government workers	336,302	11.9%	281	13.5%
Self-employed in own not incorporated business	159,566	5.6%	188	9.0%
Unpaid family workers	4,194	0.1%	6	0.3%
<b>INCOME AND BENEFITS (IN 2015 INFLATION-ADJUSTED DOLLARS)</b>				
Total households	2,124,745	2,124,745	1,661	1,661
Less than \$10,000	115,278	5.4%	88	5.3%
\$10,000 to \$14,999	91,552	4.3%	81	4.9%
\$15,000 to \$24,999	191,939	9.0%	189	11.4%
\$25,000 to \$34,999	188,725	8.9%	231	13.9%
\$35,000 to \$49,999	275,356	13.0%	235	14.1%
\$50,000 to \$74,999	402,835	19.0%	369	22.2%
\$75,000 to \$99,999	299,651	14.1%	236	14.2%
\$100,000 to \$149,999	326,724	15.4%	172	10.4%
\$150,000 to \$199,999	121,202	5.7%	41	2.5%
\$200,000 or more	111,483	5.2%	19	1.1%
Median household income (dollars)	61,492	(X)	50,332	(X)
Mean household income (dollars)	80,444	(X)	60,195	(X)
<b>With earnings</b>				
Mean earnings (dollars)	1,709,589	80.5%	1,279	77.0%
With Social Security	82,173	(X)	61,988	(X)
Mean Social Security income (dollars)	590,345	27.8%	568	34.2%
With retirement income	18,419	(X)	16,321	(X)
Mean retirement income (dollars)	343,483	16.2%	238	14.3%
	22,461	(X)	19,677	(X)

Subject	Minnesota		Red Lake County, Minnesota	
	Estimate	Percent	Estimate	Percent
With Supplemental Security Income	86,854	4.1%	58	3.5%
Mean Supplemental Security Income (dollars)	9,690	(X)	8,097	(X)
With cash public assistance income	76,296	3.6%	58	3.5%
Mean cash public assistance income (dollars)	2,982	(X)	1,398	(X)
With Food Stamp/SNAP benefits in the past 12 months	190,096	8.9%	152	9.2%
Families	1,376,549	1,376,549	1,071	1,071
Less than \$10,000	41,276	3.0%	31	2.9%
\$10,000 to \$14,999	27,605	2.0%	18	1.7%
\$15,000 to \$24,999	77,099	5.6%	82	7.7%
\$25,000 to \$34,999	96,107	7.0%	103	9.6%
\$35,000 to \$49,999	154,997	11.3%	133	12.4%
\$50,000 to \$74,999	289,095	19.5%	289	27.0%
\$75,000 to \$99,999	230,751	16.8%	206	19.2%
\$100,000 to \$149,999	273,424	19.9%	156	14.6%
\$150,000 to \$199,999	106,931	7.8%	37	3.5%
\$200,000 or more	99,264	7.2%	16	1.5%
Median family income (dollars)	77,055	(X)	65,893	(X)
Mean family income (dollars)	96,258	(X)	73,065	(X)
Per capita income (dollars)	32,157	(X)	25,183	(X)
Nonfamily households	748,196	748,196	590	590
Median nonfamily income (dollars)	35,623	(X)	29,231	(X)
Mean nonfamily income (dollars)	48,032	(X)	34,865	(X)
Median earnings for workers (dollars)	33,527	(X)	29,796	(X)
Median earnings for male full-time, year-round workers (dollars)	51,952	(X)	41,098	(X)
Median earnings for female full-time, year-round workers (dollars)	41,824	(X)	34,077	(X)
HEALTH INSURANCE COVERAGE				
Civilian noninstitutionalized population	5,360,861	5,360,861	4,038	4,038
With health insurance coverage	4,983,791	93.0%	3,786	93.8%
With private health insurance	4,089,759	76.3%	2,942	72.9%
With public coverage	1,565,919	29.2%	1,452	36.0%
No health insurance coverage	377,070	7.0%	252	6.2%
Civilian noninstitutionalized population under 18 years	1,278,612	1,278,612	1,003	1,003
No health insurance coverage	60,813	4.8%	32	3.2%
Civilian noninstitutionalized population 18 to 64 years	3,359,120	3,359,120	2,307	2,307
In labor force:	2,807,249	2,807,249	1,947	1,947
Employed:	2,654,180	2,654,180	1,888	1,888
With health insurance coverage	2,437,190	91.8%	1,711	90.6%
With private health insurance	2,241,572	84.5%	1,525	80.8%
With public coverage	253,701	9.6%	224	11.9%
No health insurance coverage	216,990	8.2%	177	9.4%
Unemployed:	153,069	153,069	59	59
With health insurance coverage	113,931	74.4%	49	83.1%
With private health insurance	67,809	44.3%	30	50.8%
With public coverage	50,756	33.2%	22	37.3%
No health insurance coverage	39,138	25.6%	10	16.9%
Not in labor force:	551,871	551,871	360	360
With health insurance coverage	494,427	89.6%	327	90.8%
With private health insurance	325,298	58.9%	200	55.6%
With public coverage	206,751	37.5%	164	45.6%

Subject	Minnesota		Red Lake County, Minnesota	
	Estimate	Percent	Estimate	Percent
No health insurance coverage	57,444	10.4%	33	9.2%
PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL				
All families	(X)	7.3%	(X)	7.5%
With related children of the householder under 18 years	(X)	12.2%	(X)	13.9%
With related children of the householder under 5 years only	(X)	13.6%	(X)	29.6%
Married couple families	(X)	3.1%	(X)	3.4%
With related children of the householder under 18 years	(X)	4.5%	(X)	5.6%
With related children of the householder under 5 years only	(X)	3.4%	(X)	5.3%
Families with female householder, no husband present	(X)	27.1%	(X)	41.1%
With related children of the householder under 18 years	(X)	35.1%	(X)	54.1%
With related children of the householder under 5 years only	(X)	45.6%	(X)	74.2%
All people	(X)	11.3%	(X)	10.7%
Under 18 years	(X)	14.5%	(X)	11.9%
Related children of the householder under 18 years	(X)	14.1%	(X)	11.6%
Related children of the householder under 5 years	(X)	16.8%	(X)	15.5%
Related children of the householder 5 to 17 years	(X)	13.1%	(X)	10.1%
18 years and over	(X)	10.3%	(X)	10.3%
18 to 64 years	(X)	10.9%	(X)	9.9%
65 years and over	(X)	7.6%	(X)	11.7%
People in families	(X)	8.1%	(X)	7.7%
Unrelated individuals 15 years and over	(X)	23.3%	(X)	23.0%

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

Employment and unemployment estimates may vary from the official labor force data released by the Bureau of Labor Statistics because of differences in survey design and data collection. For guidance on differences in employment and unemployment estimates from different sources go to Labor Force Guidance.

Workers include members of the Armed Forces and civilians who were at work last week.

Occupation codes are 4-digit codes and are based on Standard Occupational Classification 2010.

Industry codes are 4-digit codes and are based on the North American Industry Classification System (NAICS). The Census industry codes for 2013 and later years are based on the 2012 revision of the NAICS. To allow for the creation of 2011-2015 tables, industry data in the multiyear files (2011-2015) were recoded to 2013 Census industry codes. We recommend using caution when comparing data coded using 2013 Census industry codes with data coded using Census industry codes prior to 2013. For more information on the Census industry code changes, please visit our website at <https://www.census.gov/people/io/methodology/>.

Logical coverage edits applying a rules-based assignment of Medicaid, Medicare and military health coverage were added as of 2009 -- please see [https://www.census.gov/library/working-papers/2010/demo/coverage\\_edits\\_final.html](https://www.census.gov/library/working-papers/2010/demo/coverage_edits_final.html) for more details. The 2008 data table in American FactFinder does not incorporate these edits. Therefore, the estimates that appear in these tables are not comparable to the estimates in the 2009 and later tables. Select geographies of 2008 data comparable to the 2009 and later tables are available at <https://www.census.gov/data/tables/time-series/acs/1-year-re-run-health-insurance.html>. The health insurance coverage category names were modified in 2010. See [https://www.census.gov/topics/health/health-insurance/about/glossary.html#par\\_textimage\\_18](https://www.census.gov/topics/health/health-insurance/about/glossary.html#par_textimage_18) for a list of the insurance type definitions.

While the 2011-2015 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the



principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2011-2015 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '\*\*\*' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An 'L' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An 'L' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An 'U' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '\*\*\*\*' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '\*\*\*\*\*' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

## **APPENDIX F**

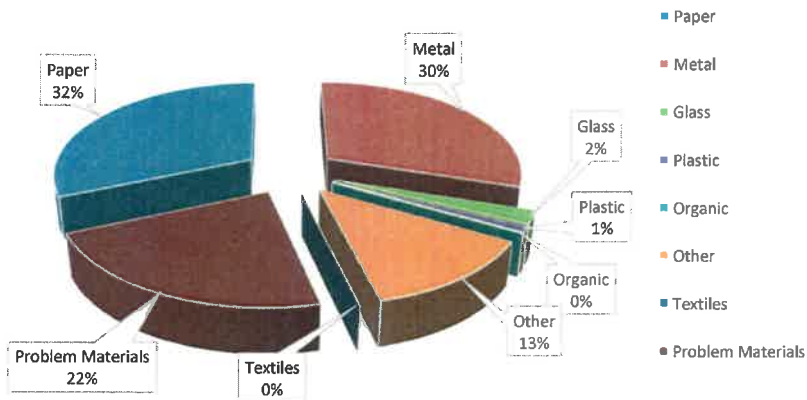
### **SOLID WASTE VOLUME DATA**

# Red Lake County Recycling Analysis 2012-2016

(tons)

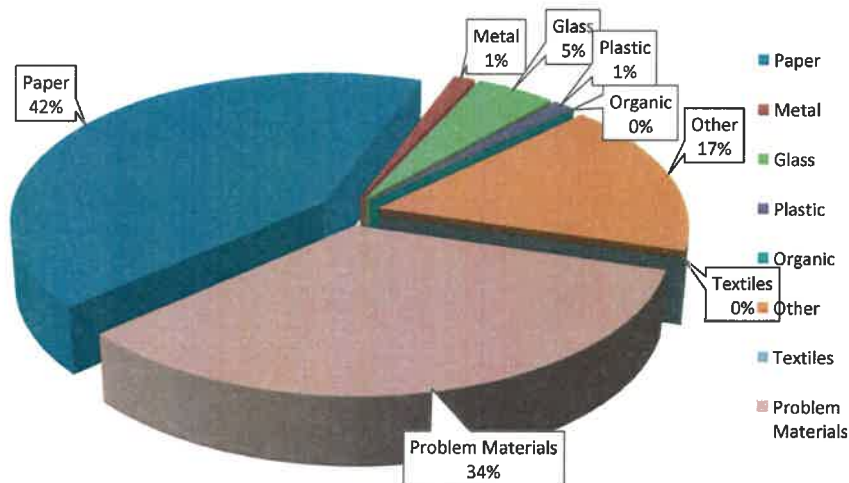
Material	2012		2013		2014		2015		2016	
Paper	289	31	286	33	148	32	143	46	134	42
Metal	277	30	281	32	177	38	4	1	4	1
Glass	21	2	34	4	16	3	15	5	15	5
Plastic	9	1	9	1	4	1	4	1	4	1
Organic	0	0	0	0	0	0	0	0	0	0
Other	119	13	116	13	21	5	53	17	53	17
Textiles	0	0	0	0	0	0	0	0	0	0
Problem Materials	203	22	145	17	94	20	93	30	107	34
<b>Total:</b>	<b>918</b>		<b>871</b>		<b>460</b>		<b>312</b>		<b>317</b>	

## Red Lake County Recycling Analysis 2012



Material	2012	%
Paper	289	31
Metal	277	30
Glass	21	2
Plastic	9	1
Organic	0	0
Other	119	13
Textiles	0	0
Problem Materials	203	22
<b>Total:</b>	<b>918</b>	

## Red Lake County Recycling Analysis 2016



Material	2016	%
Paper	134	42
Metal	4	1
Glass	15	5
Plastic	4	1
Organic	0	0
Other	53	17
Textiles	0	0
Problem Materials	107	34
<b>Total:</b>	<b>317</b>	

Source: MPCA SCORE Reports

# Materials Collected for Recycling

Red Lake County Environmental Services | Annual | 2015

## Instructions:

Due Date April 1st

For purposes of calculating recycling rates, Commercial/Industrial/Institutional (C/I/I) recycling only includes material sold by commercial, industrial or institutional establishment for the purpose of recycling. It does not include material recycled "in-house" or "mill scrap" within a manufacturing operation. Do not include materials recovered from other non-MSW waste streams such as demolition or construction debris, agricultural wastes, or non-hazardous industrial wastes. However the MPCA recognizes and encourages these activities.

## Paper

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Magazines	7.00	
2	Office Paper		2.00
3	Newspaper	56.80	
4	Cardboard		77.40

Total Tons of Residential Paper 63.80  
Total Tons of C/I/I Paper 79.40  
Total Tons Paper 143.20

## Metal

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Aluminum Cans	1.60	
2	Ferrous Metals	2.40	

Total Tons of Residential Metal 4.00  
Total Tons of C/I/I Metal  
Total Tons Metal 4.00

## Glass

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Other Glass PLEASE SPECIFY Mixed Glass Colors.	15.20	

Total Tons of Residential Glass 15.20  
Total Tons of C/I/I Glass

Total Tons Glass 15.20

### Plastics

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	PET Bottles	4.00	

Total Tons of Residential Plastics 4.00

Total Tons of C/I/I Plastics

Total Tons Plastic 4.00

### Other Recyclables

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Waste tires	7.30	
2	Electronic devices*	10.70	

\*This includes all covered and non-covered electronic devices as defined in the Minnesota Electronic Recycling Act.

What specific recycling initiatives did the county implement this year to progress towards meeting the recycling goal established in 115A.511?

Total Tons of Other Residential Recyclables 18.00

Total Tons of Other C/I/I Recyclables

Total Tons Other Recyclables 18.00

### Organics

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	PLEASE SPECIFY Other No organics at this time.	0.00	

What specific composting initiatives did the county implement this year to progress towards meeting the composting goal established in 115A.551?

Total Tons of Residential Organics 0.00

Total Tons of C/I/I Organics

Total Tons Organics 0.00

### Hazardous Waste

Report all residential and commercial hazardous waste here to ensure that you get full recycling credit for your recycled hazardous waste.



	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Oil Filters	2.20	
2	Latex Paint	2.40	
3	Used Oil	4.30	
4	Fluorescent and HID Lamps	0.90	
5	Vehicle Batteries	25.00	

Total Tons of Residential Hazardous Waste 34.80

Total Tons of C/I/I Hazardous Waste

Total Tons of Hazardous Waste 34.80

### Totals

Total Tons of All Residential Recyclables 105.00 *Hazardous Waste is not Included*

Total Tons of All C/I/I Recyclables 79.40 *Hazardous Waste is not Included*

Total Tons All Recyclables 184.40 *Hazardous Waste is not Included*

Total Tons of All Residential Recyclables 139.80 *Hazardous Waste Included*

Total Tons of All C/I/I Recyclables 79.40 *Hazardous Waste Included*

Total Tons All Recyclables 219.20 *Hazardous Waste Included*

Response created on: Mar 24, 2016 at 04:02 PM CDT by kacenv@yahoo.com

Response last updated on: Dec 14, 2016 at 10:15 AM CST by Ben.Crowell@state.mn.us

# Materials Collected for Recycling

Red Lake County Environmental Services | Annual | 2016

## Instructions:

Due Date April 1st

For purposes of calculating recycling rates, Commercial/Industrial/Institutional (C/I/I) recycling only includes material sold by commercial, industrial or institutional establishment for the purpose of recycling. It does not include material recycled "in-house" or "mill scrap" within a manufacturing operation. Do not include materials recovered from other non-MSW waste streams such as demolition or construction debris, agricultural wastes, or non-hazardous industrial wastes. However the MPCA recognizes and encourages these activities.

## Paper

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Magazines	6.40	
2	Office Paper		2.00
3	Newspaper	57.50	
4	Cardboard		68.20

Total Tons of Residential Paper 63.90  
Total Tons of C/I/I Paper 70.20  
Total Tons Paper 134.10

## Metal

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Aluminum Cans	1.60	
2	Ferrous Metals	2.40	

Total Tons of Residential Metal 4.00  
Total Tons of C/I/I Metal  
Total Tons Metal 4.00

## Glass

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Other Glass PLEASE SPECIFY Mixed Glass Colors	15.40	

Total Tons of Residential Glass 15.40  
Total Tons of C/I/I Glass

Total Tons Glass 15.40

### Plastics

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	PET Bottles	4.10	

Total Tons of Residential Plastics 4.10

Total Tons of C/I/I Plastics

Total Tons Plastic 4.10

### Other Recyclables

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Waste tires	8.50	
2	Electronic devices*	6.60	

\*This includes all covered and non-covered electronic devices as defined in the Minnesota Electronic Recycling Act.

What specific recycling initiatives did the county implement this year to progress towards meeting the recycling goal established in 115A.511?

Total Tons of Other Residential Recyclables 15.10

Total Tons of Other C/I/I Recyclables

Total Tons Other Recyclables 15.10

### Organics

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Other PLEASE SPECIFY No Organics at this time.	0.00	

What specific composting initiatives did the county implement this year to progress towards meeting the composting goal established in 115A.551?

Total Tons of Residential Organics 0.00

Total Tons of C/I/I Organics

Total Tons Organics 0.00

### Hazardous Waste

Report all residential and commercial hazardous waste here to ensure that you get full recycling credit for your recycled hazardous waste.

	MATERIAL *	RESIDENTIAL TONS	C/I/I DOCUMENTED TONS
1	Oil Filters	1.60	
2	Latex Paint	2.90	
3	Used Oil	8.20	
4	Fluorescent and HID Lamps	0.25	
5	Vehicle Batteries	25.00	

Total Tons of Residential Hazardous Waste 37.95

Total Tons of C/I/I Hazardous Waste

Total Tons of Hazardous Waste 37.95

### Totals

Total Tons of All Residential Recyclables 102.50 *Hazardous Waste is not Included*

Total Tons of All C/I/I Recyclables 70.20 *Hazardous Waste is not Included*

Total Tons All Recyclables 172.70 *Hazardous Waste is not Included*

Total Tons of All Residential Recyclables 140.45 *Hazardous Waste Included*

Total Tons of All C/I/I Recyclables 70.20 *Hazardous Waste Included*

Total Tons All Recyclables 210.65 *Hazardous Waste Included*

Response created on: Mar 30, 2017 at 11:48 AM CDT by kacenv@yahoo.com

Response last updated on: Sep 20, 2017 at 10:21 AM CDT by Ben.Crowell@state.mn.us

## **APPENDIX G**

### **TIRE DISPOSAL COSTS**

**TIRE DISPOSAL COSTS:**

**CAR/LIGHT TRUCK  $\leq$  16 INCH - \$2.00**

**CAR/LIGHT TRUCK  $\geq$  17 INCH - \$3.00**

**IMPLEMENT - \$4.00**

**TRUCK - \$6.00**

**TRACTOR - \$25.00**

**LARGE TRACTOR \$50.00**

**GRADER - \$50.00**

## **APPENDIX H**

### **SOLID WASTE ORDINANCE**

RED LAKE COUNTY

SOLID WASTE ORDINANCE



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RED LAKE COUNTY  
SOLID WASTE ORDINANCE

AN ORDINANCE AUTHORIZING, PROVIDING STANDARDS FOR, AND REGULATING SOLID WASTE MANAGEMENT IN RED LAKE COUNTY, MINNESOTA; REQUIRING A LICENSE FOR ACTIVITIES RELATING TO SOLID WASTE MANAGEMENT; REQUIRING PERFORMANCE ASSURANCE AND INSURANCE; ADOPTING THE STANDARDS AND REQUIREMENTS ESTABLISHED BY REGULATIONS OF THE MINNESOTA POLLUTION CONTROL AGENCY FOR THE MANAGEMENT OF SOLID WASTE; CONTINUING SOLID WASTE MANAGEMENT SERVICE AREAS IN THE COUNTY; PROVIDING FOR ENFORCEMENT OF AND PENALTIES FOR LACK OF COMPLIANCE WITH SOLID WASTE MANAGEMENT REGULATIONS; AND PROMOTING THE HEALTH, WELFARE AND SAFETY OF THE PUBLIC AND PROTECTING NATURAL RESOURCES PURSUANT TO CHAPTERS 115A, 116 AND 400 OF MINNESOTA STATUTES.

The County Board of Red Lake County, Minnesota ordains:

SECTION 1000. DEFINITIONS

Unless the context clearly indicates otherwise, the following words and phrases, when used in this Ordinance, have the meanings given to them in this section. Terms not specifically defined shall be construed according to the context and professional usage.

1010. "Acceptable Waste" - Solid waste which is acceptable at a solid waste facility. Acceptable waste includes garbage, refuse, and other municipal solid waste from residential, commercial, industrial and community activities which is generated and collected in aggregate and which is not otherwise defined herein as unacceptable waste. No amounts of hazardous waste that is regulated by law is acceptable at a solid waste facility.

1020. "Agency" - Minnesota Pollution Control Agency.

1030. "Board" - Red Lake County Board of Commissioners.

1040. "Composting" - The controlled microbial degradation of organic solid waste to yield to a humus-like product.

1050. "Compost Pile" - The aggregation of organic solid waste for purposes of composting.

1060. "Collection" - The aggregation of solid waste from the place at which it is generated, including all activities up to the time the solid waste is delivered to a solid waste facility.

1070. "Commercial Hauler" - Any person who operates a vehicle or vehicles for a fee, for hire or as part of a commercial transaction for the purpose of collection and transportation of solid waste. The term commercial hauler includes municipal, governmental and political subdivisions which operate a vehicle or vehicles for the purpose of collection and transportation of solid waste not generated solely on property of the municipal, governmental or political subdivision.

1080. "County" - The County of Red Lake, State of Minnesota.

1090. "Cover Material" - Earth material that is free of putrescible materials and can be compacted to provide a seal over waste materials to inhibit blowing of debris and to reduce the potential for leachate generation.

1100. "Demolition Landfill" - A land disposal site at which the disposal of demolition waste occurs in a manner approved by the Agency.

1110. "Demolition Waste" - Solid waste which consists of concrete, asphalt chunks, bricks, blocks, structural metal, lumber, wall board, wall plaster and wood from demolished buildings, and other inert waste materials as may be designated by the environmental officer as demolition waste.

1120. "Disposal" - The discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste into or on any land or water so that the waste or any constituent thereof may enter the environment or be emitted into the air, or discharged into any waters, including ground waters.

1130. "Environmental Officer" - The person, persons or department appointment by the Board to carry out and enforce the provisions of this Ordinance.

1140. "Garbage" - All discarded material resulting from the handling, processing, storage, preparation, serving and consumption of food.

1150. "Hazardous Waste" - Any refuse, sludge, or other waste material or combinations of refuse, sludge or other waste materials in solid, semi-solid, liquids, or contained gaseous form which because of its quantity, concentration, or chemical, physical or infectious characteristics may: (a) cause or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness, or (b) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

Categories of hazardous waste materials include, but are not limited to, explosives, flammables, oxidizers, poisons, irritants and corrosives. Hazardous waste includes all materials designated as hazardous and regulated by State or Federal laws and regulations.

1160. "Land Disposal Facility" - Any tract or parcel of land, including any constructed facility, at which solid waste is disposed of in or on the land.

1170. "Licensee" - A person who has been given authority by the Board to carry out any of the activities for which a license is required under the provisions of this ordinance.

1180. "Misdemeanor" - As defined by Minnesota Statutes, Section 609.033 as amended.

1190. "Nuisance" - A condition which unreasonably annoys, injures or endangers the safety, health, morals, comfort, or repose of any considerable number of members of the public.

1200. "Open Dump" - A land disposal site at which the disposal of solid waste occurs in a manner that the solid waste is susceptible to open burning and is exposed to the elements, flies, rodents and scavengers.

1210. "Person" - Any individual, corporation, partnership, joint venture, association, trust, unincorporated association, municipality, governmental or political subdivision, other public agency, or any other legal entity except the County, the Agency, and the Minnesota Office of Waste Management.

1220. "Polystyrene" - A light, resilient thermoplastic polymer commonly used in disposable food and beverage containers.

1230. "Processing" - The treatment of solid waste after collection and before disposal. Processing includes, but is not limited to, volume reduction, storage, separation, exchange, resource recovery, physical, chemical, or biological modification, and transfer from one solid waste facility to another.

1240. "Putrescible Material" - Solid waste which is capable of becoming rotten or which may reach a state of decay or decomposition.

1250. "Recycling" and "Resource Recovery" - The reclamation for sale or reuse of materials, substances, energy, or other products contained within or derived from solid waste.

1260. "Service Area" - A solid waste management service area established by the Board pursuant to Minnesota Statutes,

Section 400.08, Subd. 2, as amended.

1270. "Solid Waste" - Garbage, refuse, sludge from a water supply treatment plant, or air contaminant treatment facility, and other discarded waste materials and sludges, in solid, semi-solid, liquid or contained gaseous form, resulting from industrial, commercial, mining and agricultural operations, and from community activities, but solid waste does not include any of the following: hazardous waste, animal waste used as fertilizers, earthen fill, boulders, rock, sewage sludge, solid or dissolved material in domestic sewage or other 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 Acts, as amended, dissolved materials in irrigation return flows, or source specific nuclear, or bi-product material as defined by the Atomic Energy Act of 1954, as amended.

1280. "Special Solid Waste" - Waste materials having potential for harm to ground water supplies and public health, which are not otherwise classified as hazardous waste.

1290. "Solid Waste Facility" - All property used for the handling, processing or disposal of solid waste, except property used solely for the collection and transportation of solid waste. A solid waste facility includes, but is not limited to, transfer stations, processing facilities, incinerators, land disposal sites, demolition landfills, and disposal sites and facilities but does not include backyard compost sites.

1300. "Solid Waste Management Plan" - The Plan, adopted by the County, pursuant to Minnesota Statutes, Chapter 115A, providing for the management of solid waste generated within the County.

1310. "Solid Waste Management Services" - Activities intended to affect or control the generations of solid waste, and activities which provide for or control the collection, processing, and disposal of solid waste. Solid waste management services include, but are not limited to, any of the following: (1) collection or transportation of solid waste; (2) construction or operation of a land disposal facility; (3) construction or operation of a demolition landfill (4) construction or operation of an incinerator; (5) construction or operation of a transfer station; (6) construction or operation of a waste processing facility; (7) waste tire storage, collection or processing; (8) installation, establishment or operation of a compost pile other than composting conducted at a backyard compost site; (9) demolition and transportation of asbestos materials to a County solid waste facility; and (10) disposal of asbestos materials from a single source at a County solid waste facility. Solid waste management services do not include: (a) the nuisance-free

storage, disposal and/or composting of solid waste generated from only a single family or household upon property owned, occupied or leased by a member of the family or household; (b) the nuisance-free storage, collection, and removal of solid waste generated by a person upon property owned, occupied, or leased by that person; (c) the establishment, operation and maintenance of an incinerator for the disposal of other than toxic or hazardous waste with a capacity less than 500 pounds per hour; (d) the storage, collection and processing of not more than 500 waste tires at a time by a retail tire seller upon his retail selling site; (e) storage and the collection and processing of not more than 3,000 waste tires at a time by an owner or operator of a tire retreading business upon his business premises; (f) the storage, collection and processing of not more than 500 waste tires at a time by an owner or operator of a business who, in the ordinary course of business, removes tires from motor vehicles provided such storage, collection and processing occurs on his premises; and (g) the storage, collection and processing of waste tires by a person using waste tires for agricultural purposes if the waste tires are kept on the site of use.

1320. "Tire" - A pneumatic tire or solid tire for motor vehicles as defined in Minnesota Statutes Section 169.01.

1330. "Transfer Station" - An intermediate solid waste facility at which solid waste is temporarily deposited to await transportation to another solid waste facility.

1340. "Unacceptable Waste" - Solid waste which is not acceptable at a solid waste facility. Unacceptable waste includes waste which would pose a threat to health or safety, or which may cause damage to or materially adversely affect the operation of a solid waste facility including, but not limited to, explosives, pathological waste, commercial, industrial and community hazardous waste, radioactive materials, oil sludges, cesspool, domestic sewage or other sewage sludge, human or animal remains, waste in a liquid state, hazardous refuse of any kind, used crank case oils, cutting oils, paints, poisons, and any other materials which the environmental officer may determine to be harmful, of a toxic or dangerous nature or unsuitable for processing and disposal at a solid waste facility.

1350. "Waste Tire" - A tire that is no longer suitable for its original intended purpose because of wear, damage, or defect.

1360. "White Goods" - Large household appliances such as refrigerators, stoves, air conditioners and washing machines.

1370. "Yard Waste" - All organic matter resulting from collection of waste from yards, gardens and such.



## SECTION 2000. LICENSE REQUIRED.

A person must have a license or temporary permit from the County to engage in solid waste management services or to cause, permit or allow any property under his control to be used for solid waste management services.

## SECTION 3000. SOLID WASTE REGULATIONS.

All persons shall comply with the regulations set forth below. The Board may by resolution adopt additional regulations consistent with the intent of this ordinance. Licensees shall comply with the regulations set forth in or adopted pursuant to this section during the entire period for which the license is issued.

3100. Regulations Primarily Relating to Activities for Which a License or Temporary Permit is Required.

3110. Collection and Transportation.

3111. State Rule Adopted. The collection and transportation of solid waste by commercial haulers shall be performed in accordance with Minnesota Rule 7035.0800, as amended, which is hereby adopted by reference as a part of this ordinance.

3112. Equipment Requirements. All vehicles used by a licensee for the collection and transportation of solid waste shall be easily cleanable, leak-proof, and covered with metal, canvas, or fishnet type material to prevent their contents from escaping.

3113. Maintenance. The licensee shall maintain all vehicles used for the collection and transportation of solid waste in a safe and sanitary manner, and shall provide brooms and shovels on each vehicle for the purpose of cleaning spilled material. (All trucks shall meet the safety requirements of MN DOT and be certified as required by the Minnesota Truck Safety Division.

3114. Labeling. The licensee shall display a decal provided by the County on each vehicle used for the collection and transportation of solid waste. In addition, the licensee shall display the capacity of each vehicle, and the name, address, and telephone number of the collector on each side of the vehicle. Letters and numbers shall be at least three (3) inches high.

3115. Storage in Vehicles. The licensee shall not allow solid waste to remain or be stored in any collection or transportation vehicle in excess of 24 hours, except in the event of an emergency such as inclement weather, equipment breakdown or accident.

3116. Protecting Private Property. The licensee shall take reasonable care to protect the property of customers being served. The licensee shall be responsible for any damage or spillage of solid waste as a result of his actions or those of his employees or agents.

3117. Smoking, Smoldering or Burning Waste. The licensee shall not collect and transport solid waste materials that are smoking, smoldering or burning.

3118. Emergency Dumping The licensee shall be responsible for the cleanup of any solid waste that must be dumped in an emergency. The operator of the vehicle shall immediately notify the environmental officer and the appropriate law enforcement agency and emergency service of such dumping and clean the area within a time limit set by the environmental officer.

3119. County Contracts The County may contract with commercial haulers for the provision of collection and transportation services in the County. Such contracts may designate disposal at a certain solid waste facility as a requirement of the license. The contract must stipulate volume based fees for collection and transportation where feasible.

3200. Demolition Landfills.

3201. Construction. The following shall be established, constructed or provided for at a demolition landfill site when stated in and as a part of the license:

3202. Controlled Access. The site shall be fenced and a gate shall be provided at the entrance to the site and kept locked when an attendant is not on duty.

3203. All-Weather Access. An all-weather haul road to the unloading area.

3204. Screening. Visual screening of the site, as approved by the solid waste officer, shall be provided by use of natural objects, trees, plants, seeded soil berms, fences or other suitable means.

3205. Compliance with Local Land Use Rules. The demolition landfill shall comply with state, County and local land use and zoning regulations.

3300. Operation and Maintenance.

3301. Separating Distance. A minimum separating distance of twenty (20) feet shall be maintained between the disposal operation and the adjacent property line.

3302. Wind-Blown Material. Unloading of demolition waste shall be confined to as small an area as practicable and the area shall be surrounded with appropriate facilities to confine possible wind-blown material resulting from the operation shall be collected and returned to the area by the owner or operator.

3303. Compaction. Demolition waste shall be compacted as densely as practicable and covered monthly with a compacted layer of at least six (6) inches of suitable cover material.

3304. Nuisance Control. Control of odors, dust, wind-blown material and other potential nuisances shall be sufficient to prevent or eliminate any nuisance.

3305. Pest Eradication. Before any materials from demolished structures may be deposited, the licensee must submit proof acceptable to the County that the demolished structure has been subjected to satisfactory pest eradication prior to demolition. Should the environmental officer so prescribe, the licensee at his own expense shall engage an exterminator or pest control agent to inspect the landfill on at least a monthly basis. A copy of each inspection report shall be sent to the County immediately upon its receipt by the licensee.

3306. Refuse Prohibited. No garbage, loose paper, plastic, cardboard, cans, bottles, tires, appliances, vehicles, materials containing asbestos, or other materials not specifically permitted by this ordinance shall be deposited.

3307. Termination. A site shall be considered finished or terminated, and require terminal covering, when the site can no longer reasonably be used for the disposal of demolition waste, the site must be terminated under section 4.5 and/or a current license is not in effect.

3308. Termination Cover. Within one month after final termination of all or a major part of, a site, the area shall be covered with at least two (2) feet of compacted cover material adequately sloped to allow surface water runoff. No holes or depressions which might result in collection of surface water shall remain or exist after such covering.

3309. Termination Topsoil and Vegetation. The finished surface of the filled area shall be covered with adequate topsoil and seeded with native grasses or other suitable vegetation immediately upon completion, or immediately in the spring on areas terminated during winter conditions. If necessary, seeded slopes shall be covered with straw or similar material to prevent erosion.

3310. Pretermination Notice and Investigation. Prior to termination of operation of the site, the Agency and the County

shall be notified in order that site investigations may be conducted before personnel and equipment are removed from the property. The final condition of the landfill must be approved by the County and the agency before such removal may occur.

3311. Operating Records. Accurate records containing all significant information relating to site operations shall be maintained and an accurate copy or the original of such records shall be furnished to the solid waste officer. Intake of ~~demolition waste in tons or cubic yards~~ shall be recorded in a manner acceptable to the County.

3400. Regulations Primarily of Interest to the Public.

3401. Storage.

3402. State Rule Adopted. Solid waste shall be stored in accordance with Minnesota Rule 7035.0700 and 7035.2855, as amended. Minnesota Statute 609.68, as amended, is hereby adopted by reference as a part of the ordinance. Violations of this section shall be charged, enforced, and prosecuted according to the provisions of this ordinance.

3403. Owner and Occupant Duty. The owner, lessee, and occupant of any property, premises, business establishment or industry are responsible for the satisfactory storage, collection and removal of all solid waste accumulated at that property, premises, business establishment or industry. No building, structure, area, or premises shall be constructed or maintained for human occupancy, used, or assembly without adequate facilities for sanitary and safe storage, collection, transportation of disposal of all solid wastes.

3404. Putrescible Material and Garbage. Putrescible material, including, but not limited to, garbage, shall be stored in: (a) durable, rust-resistant, nonabsorbent, water-tight, rodent-proof, and easily cleanable containers, with close-fitting, fly-tight covers having adequate handles to facilitate handling; or (b) other types of containers approved by the County. The size and allowable weight of the containers may be determined by the County.

3405. Containers. Solid waste shall be stored in durable containers or as otherwise provided in this ordinance. Where putrescible material is stored in combination with nonputrescible material, containers for the storage of the mixture shall meet the requirements for putrescible solid waste containers. All containers for the storage of solid waste shall be maintained in such a manner as to prevent the creation of a nuisance or unsanitary condition. Containers that are broken or otherwise fail to meet the requirements of this section shall be replaced with acceptable containers.

3406. Oversize Waste. Solid Waste objects or materials too large or otherwise unsuitable for storage containers shall be stored in a pollution-free and nuisance-free manner and in compliance with federal and state regulations and the requirements of this ordinance.

3407. Time Limit. It is unlawful for any person to store solid waste on public or private property for more than two (2) weeks without the written approval of the County.

3408. Recyclables. It is unlawful for any person to store materials which have been separated for the purpose of recycling on public or private property in a manner which creates a nuisance.

3409. Open Burning. It is unlawful for any person to burn garbage, tires, or other waste in violation of Minnesota Rules 7005.0700 to 7005.820 as amended.

3410. White Goods. All white goods are to be disposed of at a designated County location (Permit-by-Rule) for transfer to recycling outlet.

3411. Yard Waste. It is unlawful to place yard waste in any solid waste container for collection and transportation to a sanitary landfill. It must be composted on private property or at a designated facility in a nuisance free manner.

3412. Waste Tire Disposal. It is unlawful to dispose of waste tires in or on the land according to Minnesota Statute 115A.904. All waste tires must be disposed of with a waste tire collector as defined by Minnesota Statute 115A.90, Subd. 8.

#### SECTION 4000. GENERAL AND ADMINISTRATIVE PROVISIONS.

4100. Environmental Officer. The Board shall appoint a environmental officer. The environmental officer has the duties and authority as established by the Board to implement and carry out the provisions of this ordinance, including, but not limited to, the following:

4110. Application Review and Recommendation. Reviewing all license applications, applications for license renewals or transfers or variances, and supporting materials and recommending with supporting documentation to the Board whether a license should be granted, conditionally granted, renewed, or denied or whether a transfer or variance should be allowed.

4120. Inspection. Inspecting all solid waste management services and solid waste facilities located in the County to determine compliance with this ordinance.

4130. Investigation. Investigating possible violations of this ordinance.

4140. Enforcement Actions. The issuance of citations and recommending to the County Attorney the commencement of legal proceedings against any person to compel compliance with the provisions of this ordinance or to terminate, abate or control the provision of solid waste management services not in compliance with this ordinance.

4150. Studies. Encouraging and conducting studies and research relating to solid waste management, including but not limited to, methodology, chemical and physical considerations, and engineering.

4160. Liaison. Advising, consulting, and cooperating with the public and other governmental agencies in furtherance of the purposes of this ordinance.

4200. Demolition Landfills

4210. Permit-by-rules facilities must comply with Minnesota Rules 7001.3050 and 7035.2825 as amended. The County and the Agency must be notified of the intent to site the facility and a temporary permit must be issued by the County before development and use of the site may occur.

4220. Facilities which are not considered to have a permit-by-rule must comply with Minnesota Rules 7035.2825 as amended.

4300. Nonconforming Sites and Facilities. Any solid waste facility in existence on the effective date of this ordinance and the operation of such solid waste facility shall conform to the provisions of this ordinance no later than one hundred twenty (120) days after the adoption of the ordinance or shall terminate operation no later than that date. The rules, regulations and requirements of the County and the Agency shall govern the termination and abandonment of each nonconforming solid waste facility. The owners and operators of the nonconforming solid waste facility, or any part thereof, shall be responsible for satisfactorily performing required termination and abandonment procedures.

4400. Enforcement.

4410. Violation a Misdemeanor. When any person performs an act prohibited or declared unlawful, fails to act when such failure is prohibited or declared unlawful, fails to take action when such action is required, or fails to take action to abate the existence of a violation within the specified time period when ordered or notified to do so by the County, he violates the section, subdivision, paragraph, or provision of this ordinance

within which such act or action is prohibited, declared unlawful, or required, and upon conviction thereof, shall be punished for a misdemeanor. A separate offense shall be deemed committed upon each day during or on which a violation occurs or continues. All violations of this ordinance shall be prosecuted by the County Attorney.

4420. Equitable Relief. In the event of a violation or a threat of violation of this ordinance, the County Attorney may take appropriate action to enforce this ordinance, including application for injunctive relief, action to compel performance or other appropriate action in court, if necessary, to prevent, restrain, correct or abate such violations or threatened violations.

4430. Citations. The County may issue citations for violations of this ordinance.

4431. Form of Citations. Citations shall be in a form designated by the County and approved by the County Attorney.

4432. Citation. Whenever the County determines that there is probable cause to believe that a violation of this ordinance has been committed by any person, a citation may be issued to the person alleged to have committed the violation.

4433. Issuance. The citation shall be issued to the person to be charged with the violation, or in the case of a corporation or municipality, to any officer or agent expressly or impliedly authorized to accept such issuance.

4440 Civil Action. If a person fails to comply with the provisions of this ordinance, the County may recover costs incurred for corrective action, including reasonable attorney's fees, in a civil action in any court of competent jurisdiction.

4500. Rules of Construction In construing this ordinance, the following rules of construction are to govern, unless their observance would be inconsistent with the obvious intent of the County, or contrary to the context of the ordinance:

4510. Indemnification. This ordinance shall not be construed to hold the County or any officer or employee of the County, responsible for any damage to persons or property by reason of inspections or re-inspections authorized by the provisions of this ordinance, or by reason of the approval or disapproval of equipment or licensing herein, nor for any action in connection with the inspection or control of solid waste or refuse or in connection with any other official duties.

4520. Severability. It is hereby declared to be the intention of the Board that the several provisions of this ordinance be

severable in accordance with the following:

4521. If any court of competent jurisdiction shall adjudge any provisions of this ordinance to be invalid, such judgment shall not affect any other provisions of the ordinance not specifically included in said judgment.

4522. If any court of competent jurisdiction shall adjudge invalid the application of any provision of this ordinance to a particular structure, site, facility or operation, such judgment shall not affect the application of said provision to any other structure, site, facility, or operation not specifically included in said judgment.

4530. Ordinance Remedies and Provisions Cumulative. Each right or remedy conferred on or reserved to the County under this ordinance is cumulative in and in addition to every other right or remedy provided for in this ordinance. The provisions in this ordinance are in addition to all other laws and ordinances passed, or which may be passed hereafter, covering any subject matter in this ordinance.

4540. No Consent. Nothing contained in this ordinance shall be deemed to consent to, license, or permit any person to locate, construct, or maintain a site, solid waste facility, or operation, or to carry on any solid waste management services or activities.

4550. Meanings. Words of male gender shall include the female and neuter, the singular shall include the plural and the plural shall include the singular.

#### SECTION 5000. SERVICE AREAS

5100. Service Areas. The County has, by adoption of this ordinance, established and has determined the boundaries of solid waste management service areas to be all land within the County under Minnesota Statutes, Section 400.08, Subd. 2. The Board may, by resolution, terminate, re-establish, enlarge, revise, or alter the service areas so established following the procedures specified in Minnesota Statutes, Section 400.08, Subd. 2.

5200. Township Service. All townships shall provide at least a minimum of a one and one-half yard (1½) disposal container for use by the residents of that township for disposal of mixed municipal solid waste by July 1, 1991. The container shall be located in the respective township or an adjoining township and provide convenient access for the hauler.

#### SECTION 6000. EFFECTIVE DATE.

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



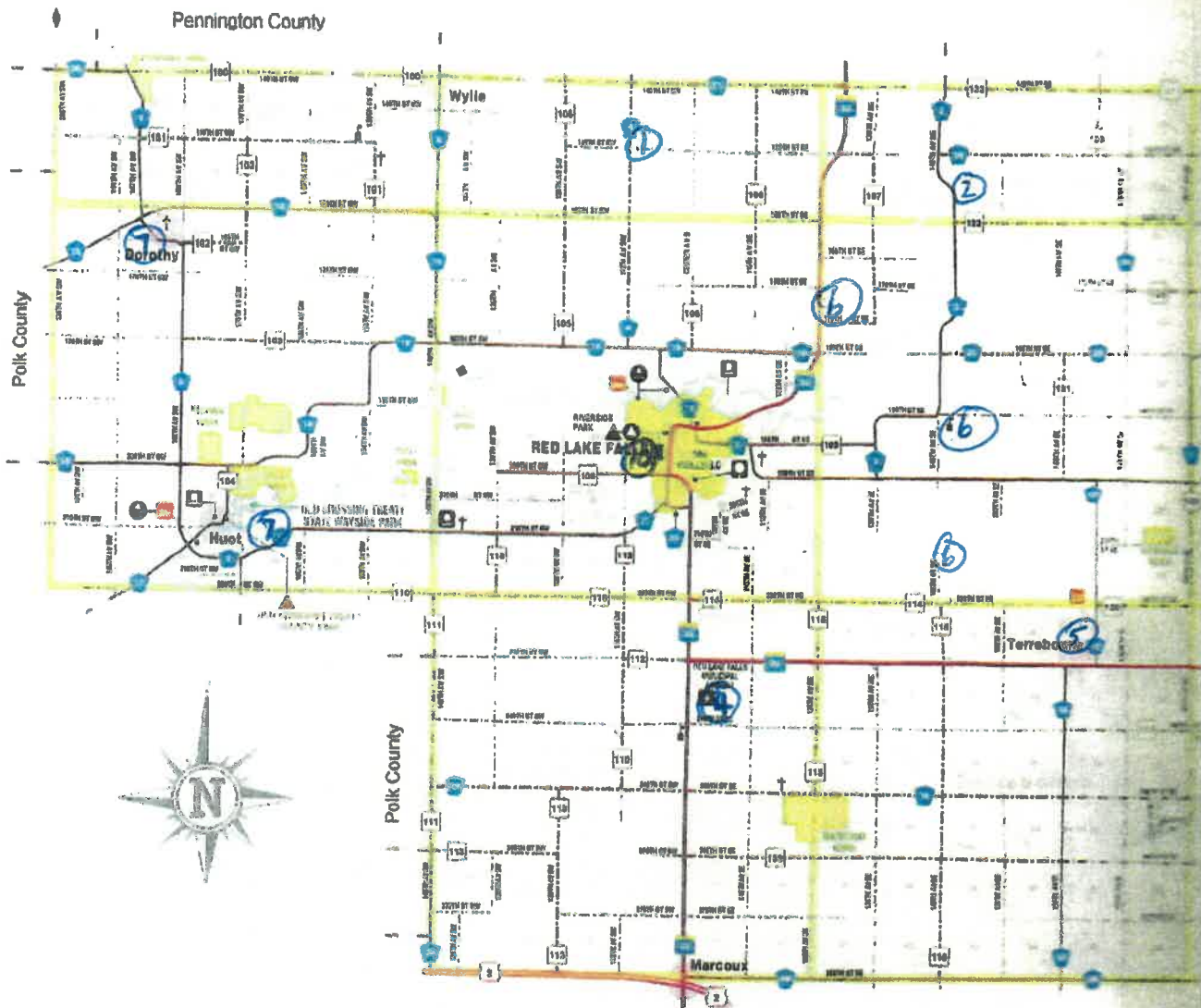
**APPENDIX I**

**TOWNSHIP SOLID WASTE CANISTER**

**AND**

**RECYCLING SITE**

**LOCATIONS**



Polk County  
Township SW Canisters #1-#9

Recycle Sites #10-#13

# **Red Lake** COUNTY, MN Highway Map

