SOLID WASTE MANAGEMENT PLAN: TWENTY-YEAR PLAN



2014
Adopted by the Grundy County Board

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Mr. Ken Iverson

Mr. Eric Rasmusson

Mr. David Welter

Mr. Ron Severson - County Chairman

Solid Waste Update Steering Committee Members

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Mr. Art Hornsby - Vice Chair of the SWUSC

All County Board Members

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Mr. Frank Barber

Ms. Karen Campbell; Assistant to ERCO

Mr. Guy Christianson - City of Morris/Chamlin Engineering

Mr. Ken Daggett

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Ms. Theresa Hammond – Heartland Disposal

Mr. Jason Helland - States Attorney

Mayor Terry Kernc - Village of Diamond

Mayor Richard Kopczick - City of Morris

Ms. Beth LaPlante – U of I Extension

Mr. Wayne McFarland – Syntech Bioenergy

Mr. Gerald McKinney

Mrs. Jean McKinney

Ms. Heidi H. Miller - Director of the Land Use Department

Ms. Caroline Portlock - Grundy Chamber

Ms. Pat Neff – CAP

Mr. Tim Urbanik

Mr. Perry Rudman - Assistant States Attorney

Mr. Gary Schaeffer - Three Rivers

Mr. Mike Schuiteman - Waste Management

Ms. Esther Shaw

Ms. Sandy Yu - Lyondell Bassell

Grundy County Solid Waste Management Plan Twenty Year Plan

II. Executive Summary

- A. Solid Waste Plan Grundy County (thereafter referred to as the 'County') adopted the Solid Waste Plan (thereafter referred to as the 'Plan') on November 9, 1992. The Illinois Environmental Protection Agency (IEPA) reviewed the plan making revisions which required the revised plan to be adopted on June 15, 1993. The Plan was adopted in accordance with the Illinois Solid Waste Planning and Recycling Act (SWPRA) (415 ISCS 12/1 et seq.). The SWPRA requires that each Illinois County adopt a solid waste plan that will reduce the amount of waste generated. Recycling and composting waste materials is preferred over landfills. Every twenty years a new plan is institute and updated every five years following. The state statute requires that each plan accomplish the following:
- A needs assessment was developed to determine waste generation rates (pounds per capita/day) and composition of the municipal waste stream. Management methods for municipal waste were analyzed and preferred methods were chosen.
- 2) Preferred waste management programs for the twenty year planning period were chosen.
- 3) To develop an economic analysis of alternatives to waste disposal in landfills.
- 4) To develop public involvement through the formation of an 'advisory committee'.
- 5) To include a recycling program that subject to the availability of markets for the recyclable material will attempt to recycle 25 to 35% of the municipal waste generated in the county.

Implementation of the Plan included the enactment of the following agreements:

1) The host agreement between the City of Morris and the County in regard to the Environtech landfill and discussion of potential expansion

of that landfill for twenty years of additional waste disposal capacity.

- 2) The use of the funds received from the tipping fees of the Environtech landfill, green energy fund from the Horizon Wind Farm in Grundy County, and the additional funds from grants and the County to purchase educational items to aid in the teaching of the students and residents within the county to promote recycling, reducing, reusing and respect of the earth (thereafter known as the 4Rs).
- 3) Updating the Solid Waste Plan every five years incorporating any changes and potential development in the form of waste management.

Summary of implementation of the Plan:

Being progressive is the most important role the County will have through our Solid Waste Update Steering Committee. Thus far, the County has made great strides in obtaining this goal.

In order to develop this Plan, the County formed a committee of interested citizens, waste haulers, County Board members, municipal representatives, industrial users, and County staff. In doing so the County was able to gain a good perspective of what has and has not worked in the past and what direction the County should take in the future. The changes that were made to the Plan include discontinuation of unsuccessful events and also the addition of new environmental educational programs.

The Plan that included alternative waste to energy facilities, worked in the last year of the plan 2013 with a company to achieve this goal for the County.

The Solid Waste Update Committee also advocated more active involvement of the waste haulers to provide recycling event funds or containers for doing so as part of their cooperative efforts with the County. This way they are serving all of the needs of the county effectively through the ERCO office. With the cooperation shown by a couple of the waste haulers the office was able to collect and properly dispose of alkaline batteries at four locations in the County for the residents, and also to be able to collect incandescent bulbs during a recycling event.

In enhancing the energy conservation portion of the last five year update of the 2009 plan, the office was able to teach effectively these concepts and also give tours of the wind farm in Grundy County for the students to get a complete perspective of the impact of alternative energy sources are possible.

The County's focus at this time is to educate the current generation. As the County continues to grow, it is apparent that education is important in the putting the 4Rs more into action.

Based on the demographics of Grundy County, there has been an increase of the population from 2000 (37535) to 2010 (50,063) of 33.4%. As our population currently is approximately in 2012 is 50,281we are seeing slight growth. However, as studied by CMAP our population by 2050, a thirty-seven year projection from now, our County's population will increase to 85,419 which would be a 70% increase from our 2010 census amount which was 50,063. With this anticipated growth pattern, this biggest issue that Grundy County faces is waste management. With this anticipated population change this plan address alternative waste stream handling trends for the next twenty years.

It is estimate that each individual produces at least an average of 4.5 pounds of waste a day. If we look toward an eventual population growth of 85,000 residents in our County, there is a potential that we would need to think of the final disposal of 382,500 pounds or 191 tons a day. Having things in place or making positive strides toward attainable goals is paramount in keeping the well- being and environmental health that Grundy County residents are accustomed to.

III. Current Waste Assessment Report

This section of the 20-Year Plan Update provides current information on demographics, waste generation, and waste management practices in Grundy County.

A. Demographics

Population data for Grundy County and its municipalities is provided in Table 1 below. Over the period 2000-2010, the County experienced significant growth, with a population increase of more than 33%, making Grundy County the third fastest-growing county in Illinois (behind its neighbors, Will and Kendall Counties). Since 2010, the US Census estimates that County population has been relatively flat, with an estimated 2013 population of 50.228.

Between 2000 and 2010, population growth occurred in incorporated areas only, with approximately 76% of the County's population residing in incorporated areas as of 2010. The vast majority of the growth (85%) occurred in communities along the eastern boundary of the County, including Channahon, Coal City, Diamond, and Minooka. Additional population growth occurred in Mazon and Morris.

Jurisdiction	2000 Census Population	2010 Census Population	
Grundy County	37,535	50,063	
Braceville (part)	792	792	
Carbon Hill	392	345	
Channahon (part)	109	3,215	
Coal City (part)	4,797	5,585	
Diamond (part)	1,383	2,508	
Dwight (part)	7	6	
East Brooklyn	123	106	
Gardner	1,406	1,463	
Godley (part)	49	49	
Kinsman	109	99	
Mazon	904	1,015	
Minooka (part)	2,583	8,270	
Morris	11,928	13,636	
Seneca (part)	0	6	
South Wilmington	621	681	
Verona	257	215	
Incorporated Area Population	25,460	37,991	
Unincorporated Area Population	12,075	12,072	
Incorporated Percentage of County Population	68%	76%	

Source:

1. US Census data.

Note:

1. Jurisdictions only partially located within Grundy County are denoted with "(part)" in the table above. Only the portion of the population in these jurisdictions which is within Grundy County is reported.

B. Municipal Waste Generation

Based on data reported by the licensed haulers operating in Grundy County, in 2013 the County generated a total of 44,601 tons of municipal waste, including garbage, recyclables, and landscape waste. This equates to a 2013 generation rate of 4.9 pounds per capita per day (pcd). Of the total municipal waste generated, 6,227 tons were reportedly collected for recycling or composting,

indicating a diversion rate of 14%. Remaining waste is disposed at an average rate of 4.2 pcd. This is slightly lower than landfill disposal quantities would indicate for counties outside of the 6-county Chicago metropolitan area (Cook, DuPage, Kane, Lake, McHenry and Will Counties), which indicated a disposal rate of 4.7 pcd in 2011 (the latest year for which data has been compiled).

The following information summarizes 2013 values of Municipal Waste (MW) that is currently generated within the County:

POPULATION:

50,228 (2013 US Census

estimate)

TOTAL MW GENERATED:

44,601 tons

MW GENERATION RATE:

4.9 pcd

TOTAL MW RECYCLED/COMPOSTED:

6,227 tons

% OF MW RECYCLED/COMPOSTED:

14%

MW DISPOSAL RATE:

4.2 pcd

C. <u>Current Waste Management Practices</u>

Licensed Waste Haulers

Section 3-3-6 of the Grundy County Code of Ordinances requires all haulers operating in the County to secure an annual hauler license. There are currently six haulers licensed to collect municipal waste in the County:

- Environmental Recycling and Disposal
- Homewood/NuWay
- JB Dipsosal
- Republic Services
- Three Rivers Waste and Recycling
- Waste Management

All haulers serving residential properties are required by the County Code to offer curbside recycling services to residents. Residential waste and recyclables in a number of municipalities in the County are collected under contracts between the licensed hauler and the municipality. Residential waste and recyclables are collected by a single hauler under municipal contract in the following communities:

- Channahon and Coal City Waste Management
- Morris Republic Services

Diamond and Minooka - Homewood/NuWay Disposal

These communities represent more than 80% of the population in incorporated areas and more than 60% of the County's total population. Residential waste in other areas of the County, as well as commercial waste, is collected through individual arrangements between waste generators and the licensed hauler of their choice.

Disposal

Based on the waste generation data presented previously, 86.5% of the waste generated in Grundy County is currently disposed. All disposed waste is delivered to landfills or to transfer stations with subsequent transfer to landfills; there are no municipal waste incinerators or other disposal technologies serving Grundy County.

There is currently one landfill operating in the County, the Environtech Landfill in Morris. Environtech has committed to providing capacity to Grundy County through September 2014. To meet this commitment, Environtech has reduced its annual waste intake over the past several years. Depending on waste intake after the commitment is fulfilled, the landfill may stop accepting waste by the end of 2014 or the end of 2015. At that time, all waste generated in the County and destined for disposal will be delivered to transfer stations and/or landfills located outside of Grundy County.

Hauler licensing reports indicate that, in recent years, 20-25% of the waste disposed from Grundy County has been delivered to the Environtech Landfill. Therefore, the County has been exporting 75% or more of its waste since 2009. The principal export destination has been the Waste Management-Joliet Transfer Station in Joliet, receiving approximately 55-60% of the County's waste. Additional facilities utilized by County-licensed waste haulers include: Prairie View Landfill¹ in Will County; Laraway Landfill² in Will County; LandComp Landfill in LaSalle County; and Heartland Recycling (transfer station) in Cook County.

Recycling

Recycling services are provided by several licensed haulers operating in the County, including Environmental Recycling and Disposal; Homewood/NuWay; Republic Services; and Waste Management. Approximately 11.5% of the County's waste was collected for recycling in 2013.

Laraway Landfill is primarily a special waste landfill, receiving only minimal quantities of municipal waste

Prairie View Landfill is restricted by federal law to receiving waste <u>only</u> from Will County and those municipalities lying partially within Will County. For Grundy County, this includes Minooka, Channahon, Coal City, and Diamond

The following materials are currently collected by Grundy County licensed waste haulers or by Grundy County through special collection programs:

- Aluminum
- Hearing Aids
- Household Batteries
- Incandescent Light Bulbs
- Lead Acid Batteries
- Commingled Recyclables
- Construction/Demolition Debris
- Electronic Waste
- Eyeglasses
- Glass
- Household Hazardous Waste
- Landscape Waste
- Metals
- Paint
- Paper and Cardboard
- Plastics
- Tires
- Used Books
- Used Toys
- White Goods

Commingled curbside recyclables collected from the County are principally delivered to Resource Management in Will County, Rockdale Transfer Station in Will County, and Heartland Recycling in Cook County. Residents may also drop off recyclables at Cardinal Recycling in Morris. In addition, electronic wastes collected for recycling are delivered to Vintage Tech in Will County. The County also operates a number of paper recycling collection locations, which are collected by Abitibi.

Composting/Land Application

Landscape waste is collected for land application or composting primarily from the communities in which waste services are provided under municipal contract. In 2013, approximately 2.5% of the waste generated in the County was collected for composting or land application. Additional quantities of landscape waste are managed by property owners onsite, such as by leaving grass clippings on the lawn or through backyard composting. The amount of landscape waste managed onsite has not been quantified.

There are no composting or land application facilities operating in Grundy County. Landscape waste collected in Grundy County is delivered either to Joyce Farms (a land application facility) in Kankakee County or to transfer stations in Cook and Will Counties for transfer to composting or land application facilities.

D. Waste Management Alternatives

The capacity commitment at Environtech Landfill will terminate at the end of September 2014. Environtech may continue to accept waste from Grundy County after that date, but the landfill has limited remaining capacity. Without expansion of the landfill or development of another waste management facility (such as a landfill or transfer station) in the County, 100% of the County's waste may be exported to out-of-County facilities in the future.

Table 2 identifies the existing, permitted landfills which could reasonably be expected to accept waste from the County by direct haul (i.e., waste collected in the County and hauled directly to the landfill in the collection truck). Based on the quantity of waste received in 2013 at each facility, 4 of the 5 landfills have capacity of 10 years or greater. Two landfills have capacity greater than 20 years.

TABLE 2. REGIONAL LANDFILL CAPACITY				
Landfill	Capacity as of 1/1/14 (tons)	Waste Received in 2013 (tons)	Remaining Life (years)	Distance from Environtech (miles)
Environtech Landfill (Morris, Grundy County)	72,871	81,020	0.9	0
LandComp Landfill (Ottawa, LaSalle County)	5,199,932	108,327	48.0	31
Laraway Landfill (Joliet, Will County)	5,972,206	577,868	10.3	22
Livingston Landfill (Pontiac, Livingston County)	26,925,243	1,128,230	23.9	40
Prairie View RDF (Wilmington, Will County)	13,617,412	793,994	17.2	26

Source:

1. IEPA Landfill Capacity Certification Reports, as of January 1, 2014.

Notes:

- 1. Laraway Landfill primarily accepts special wastes, not municipal wastes.
- Prairie View RDF is restricted to receiving waste from Will County and communities partially located within Will County. It is therefore not available to receive all waste disposed from Grundy County.
- 3. Prairie View RDF is permitted to operate only until 2027, reducing its remaining life to 13 years as of 1/1/2014 instead of the 17 years noted above.

In addition to the landfills identified in Table 2 above, additional regional landfills in northern Illinois could be accessed by transfer haul. Transfer haul provides greater flexibility in accessing disposal sites; if one landfill should be temporarily unavailable or close, other landfills may be accessed more cost-effectively than if

waste is delivered to landfills by direct haul from Grundy County.

Existing transfer stations receiving waste from Grundy County include the Waste Management-Joliet Transfer Station in Joliet and the Heartland Recycling transfer station in Forest View. The Waste Management-Joliet Transfer Station is located approximately 17 miles from Environtech Landfill. Only one waste hauler, Environmental Recycling and Disposal, has reported utilizing the Heartland Recycling transfer station in Forest View; they likely use this facility because it is located near their hauling yard and is therefore a convenient location to deliver a final load of waste to at the end of the collection day. There are no other existing municipal waste transfer stations operating in close proximity to Grundy County.

Future disposal options to serve Grundy County could include one or more of the following:

- Expansion of Environtech Landfill. This would provide continued access to local disposal capacity, including possibly a long-term capacity commitment similar to the commitment that is expiring in September 2014. Local siting approval from the City of Morris (the landfill is located in Morris) and an IEPA permit modification would be required to expand the facility. Environtech is owned and operated by Republic Services, and its expansion therefore is dependent on both Republic's business plans and the City of Morris granting local siting approval, if requested.
- Development of a new landfill in Grundy County. This option would also provide continued access to local disposal capacity and the potential for a long-term capacity commitment to the County. Local siting approval and an IEPA permit would be required to develop a new facility.
- Direct haul of waste to out-of-County landfills and/or transfer stations. Currently, approximately 75% of the County's waste is estimated to be hauled to landfills or transfer stations outside of Grundy County for disposal. Existing landfills nearest to Grundy County have remaining lives of 10 years or more, and could provide capacity to the County for several years. However, the County does not have any commitment of capacity at these facilities, and in the event that a facility becomes unavailable due to temporary or permanent closure, transportation distances (and therefore costs) may increase significantly to access alternative disposal sites.
- Development of a transfer station in Grundy County. An in-County transfer station would provide the County with a local site to which waste may be delivered. Once delivered to the transfer station, 3 or more loads of waste would be consolidated into a single transfer trailer for transport to a regional landfill for disposal. This provides for more cost-effective transport of waste over longer haul distances than direct hauling the waste in collection vehicles to more distant disposal facilities because transfer

trailers have a lower per-ton operating cost than collection vehicles. In addition, it provides greater flexibility in selecting disposal sites, can operate for an indefinite period with proper maintenance because it is not a final disposal site, and is adaptable to changes in waste handling practices by providing options for transfer of recyclables and organic wastes.

- Development of a municipal waste incineration / waste-to-energy facility in Grundy County. A municipal waste incinerator (also referred to as massburn incinerator or waste-to-energy facility) reduces the volume of waste requiring disposal, generating ash and the potential to produce energy. There are no municipal waste incinerators operating in Illinois; the last facility to operate in the state closed in 2000. When originally considered in the County's 1993 Solid Waste Managemeth Plan, it was determined that incineration was not a viable option for Grundy County due in part to high capital and operating costs (and therefore higher tipping fees relative to landfill disposal often more than double the landfill tipping fee) and low energy purchase prices offered by local utilities for energy produced from the facilities. These conditions have not changed, and are the principal reasons that incineration facilities are not relied upon in Illinois currently.
- Development of an alternative disposal technology facility in Grundy County. A number of alternative disposal technology projects have been proposed across the U.S. in the last 10-15 years. These facilities utilize thermal or chemical treatment methods to process waste, producing byproducts that may include energy (in the form of gas, steam, or liquid fuel), and a solid (in the form of char or ash). Technologies include gasification, pyrolysis, waste-to-fuel, and other similar processes. A portion of the waste stream is not processible by these technologies and would continue to require disposal in a landfill. Co-location of an alternative disposal facility with a landfill or transfer station can facilitate operations, as it provides convenient management of non-processible wastes as well as access to other means of disposal if the facility is shut down for routine maintenance or unplanned repairs.

IV. Recommendation and Implementation Contained in Current Adopted Plan

A. 2003 Solid Waste Program:

Listed below is a summary of the events and activities that have been completed within the last five years of the 20 year plan:

1. Source Reduction:

- 2014-1: Continue to implement an extensive educational program for schools to teach the children the 4 Rs.
- 2014-2: Implement education in businesses and churches about the 4Rs.
- 2014-3: Continue to support a variable-rate fee structure for all residential wastes. Consideration of having only a single waste hauler for the entire County to provide efficient and more economical single stream hauling of waste.
- 2014-4: Monitor any source reduction legislation.
- 2014-5: Continue research of new alternative methods of providing communities with new options to landfill disposal.
- 2014-6: Vermicomposting and composting education in schools branching out to larger users such as commercial restaurants and grocery stores in the County.
- 2014-7: Assist schools in source reduction methods such as no waste lunches and composting for schools. Teach and educate through events and education outreach items to the adult population on how to reduce the waste stream that is created in their homes and businesses.

2. Recycling and Reuse:

- 2014-1: Provide connection to local waste auditor or receive training for staff to provide this as a service to the community which would also support the educational component.
- 2014-2: Provide event programs for school children and adults for the proper disposal and recycling of materials that are banned from disposal in landfills. Have waste haulers provide funding or management of these events along with other industrial users within the County.

- 2014-3: Assist schools in the development of projects and incentives for the education of 4Rs.
- 2014-4: Continue to provide information in the Green Guide for the general public to use in regard to recycling materials and purchase and use of recycling products. Expand the Green Guide to provide more websites as recycling opportunities present themselves.
- 2014-5 Provide education for the adult residents of the County through civic groups, church, and library groups.
- 2014-6 Purchase through grant funds recycling containers for community events for all municipalities and other groups to use. Containers would be used on loan from the County and would be stored and maintained by the County.
- 2014-7 Construct electronic waste recycling center at a secured location that will provide a weather proof enclosures for ewaste products.
- 2014-8 Begin education on household hazardous waste and proper disposal of such. Promote the state providing these events in our county.
- 2014-9 Encourage commercial users to provide for recycling at their businesses for the residents to use. For example efficient bulb recycling boxes, batteries, and plastic film.

3. Monitoring of Closure of Landfill and Compliance

- 2014-1 The County will need to monitor all reports concerning the closing of the Environtech Landfill and ensure that compliance has been met.
- 2014-2 Monitor efforts by the City of Morris in regard to the proper closure of the city landfill.

4. Alternative System to Waste Management

- 2014-1 The County remains open to and encourages the study and development of viable alternatives for the management of the County's solid waste.
- 2014-2 Environtech will continue to extract methane gas from the landfill used to produce electricity through a combustion system.

- 2014-3 – Encourage compost facilities or for waste haulers to provide compost pick up as an option in their contracts with residents.

5. Energy Efficiency for County and Municipal Buildings

- 2014-1 Have energy audits completed for the county buildings to determine the losses and how the county can reverse these losses.
- 2014-2 Encourage through the same methodology other municipalities to do the same.
- 2014-3 Provide outline of what was completed to other users in the county such as the schools and other commercial entities.

B. <u>Current Plan Implementation Efforts:</u>

Program or event	Source Reduction	Timeframe
2014-1	Continue educational programs for schools to teach the 4Rs.	Ongoing
2014-2	Provide education for business and churches to the 4Rs	Start program such that it will expand more to the churches in the area to help them in the form of information such as return for recycling programs.
2014-3	Continue to support a variable- rate fee structure for all residential wastes	Ongoing
2014-3	Support active and pending legislation for source reduction	Ongoing; work with legislators to aid in the support of bills.
2014-4	Seek new alternatives to landfill disposal	Ongoing; Work with Syntech Bioenergy proposal to aid in fruition of this project
2014-5	Continue composting and vermicomposting education	Ongoing
2014-6	Introduce commercial users within the County to biodegradable product packaging that is available to food services	Begin this program as no action was taken in previous plan. One year for introduction to commercial users. Monitor any results from those who begin to use this product.

Program or event	Recycling and Reuse	Timeframe
2014-7	Continue to offer waste audit assistance to commercial and institutional establishments. Extend this service to schools as well.	Ongoing efforts to expand program as a pilot with cooperative commercial entities. Educate staff such that it may be completed internally. 2 years
2014-8	Provide event programs for the proper disposal and	Ongoing. Research other possible events that either can

	recycling of materials that are banned from disposal from the landfills	be coordinated with a company or advocate recycling events for schools, commercial, and church organizations.
2014-9	Assist schools and develop new projects for recycling competition and reward system.	Ongoing. Request financial backing for incentives prizes and container supplies.
2014-10	Include information within the Green Guide to that will assist in the recycling materials throughout the county and nearby counties.	Ongoing. Continue to update guide. Include a commercial/industrial page for recyclers and products that are geared specifically for those users.
2014-11	Educate adult residents: - At publicly held events - Through newspaper articles - Tipsters concerning the 4Rs listed in the newspaper All public communication forums available	Ongoing. Implement more of a presence at public events throughout the County. Include more presence at fairs and parades.
2014-12	Increase awareness of recycling at all campus buildings. Include a ewaste bin permanent location through Vintage Tech.	Ongoing. Ultimate goal is to get grant money to build a sheltered area for ewaste such that it is fenced and easily accessible throughout the week.
2014-13	Work with the municipalities on their recycling program.	Begin this program was not enacted in previous plan.
2014-14	Support a construction and demolition debris recycling program with the Land Use Building and Zoning Office	Include information in each building permit such that contractors/homeowners are aware of recycling of these materials.
2014-15	Develop methods and procedure for obtaining accurate recycling rates.	Begin this project. Work with waste haulers to get a better determination.
2014-16	Provide web information, Green Guide and produce brochures on composting and vermicomposting.	Continue and add to in the form of children's games if possible as webpage connections. Two years
2014-17	Determine landscape waste amount from public works departments to begin a municipal composting program county wide. Also work with local landscape companies to determine the potential of having a composting facility in Grundy. Work with the waste haulers	Three years Continue

	toward cooperative educational tours of their landfill facilities.	
2014-19	Advance recycling efforts by County employees by offering incentives for employees and departments.	Begin this program by working with HR Director.
2014-20	Conduct Waste Hauler meetings to discuss issues.	Begin annually
2014-21	Earth Day and American Recycles Day events	Provide more events and promotion for Earth Day and America Recycles Day through cooperation with other entities such as SWCD, and industrial and waste haulers.

Program or event	Disposal in Landfills	Timeframe
2014-22	No new landfills or expansion of existing landfills in Grundy County.	Immediately active.
2014-23	Possible development of a compost facility based on landscape produced and potential developer search.	Five years
2014-24	Monitor closure of current Environtech landfill and keep current with proceedings to bring compliance to the noncompliant Community Landfill according to the current I.E. P. A. Rules and Regulations.	Continuously

Program or event	Alternative Waste to Energy Technology	Timeframe
2014-25	In order to support alternative waste to energy technology, staff should attend conferences, and communicate with potential developers about Grundy County with the cooperation of local industrial supporters such as GEDC and communities. If an alternative waste to energy facility is developed in Grundy County	Annually

	they should be encouraged by the office and also be open to facilitating educational tours when possible.	
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	Environmental	Timeframe
η,	Education	
2014-26	Continue to work with the SWCD during their Goose Lake Prairie Conservation program.	Ongoing – Annually
2014-27	International Walk to School	Ongoing – Annually
2014-28	Work with Clean Air Counts to promote clean air standards.	Three years
2014-29	Create a brochure for residents in the County to educate them about green products.	Begin this brochure. One year
2014-30	Earth or Environmental Friendly Flag Program at county schools. Obtain funding to institute a pilot program for the Earth Friendly Flag Program for schools within Grundy County	. Five years
2014-31	Green LEED building introduction to County buildings and other schools and businesses within the County. Adoption of the ICC Green Code and the ICC Building Codes – 2012.	One year.
2014-32	Work cooperatively with the local environmental agencies (such as tributary action groups, Illinois Headwaters RC&D) to promote environmental educational.	Begin outreach with these entities to determine if partnerships may be made. One year trial.
2014-33	Education on biking to work and use of bikes for in town travel.	Two years
2014-34	Work with municipalities on connectivity of existing bike paths.	Two years – look for grant monies to aid in this process.
2014-35	Work with Grundy County Transit to promote ridership on buses.	One year
2014-36	Work with States on partnership with Goose Lake Prairie on Environmental Education and booth during Prairie Days. Work with local plastic recycler	One year Two years

	for tours for children and adults.	
2014-38	Advocate Energy Audits through free service for Grundy Buildings, commercial and schools.	One year
2014-39	Expand education concerning the use of natural gas powered vehicles. Work with County and municipalities to the conversion of fleet vehicles.	Five years
2014-40	Provide avenue for businesses and schools to have free energy efficiency audits.	Two years
2014-41	Connect campus buildings for distribution of electrical energy.	Five Years
2014-42	Investigate potential waste water conversion systems to non-potable water uses for consumers.	Five Years
2014-43	Provide education resources via the communication network for residents to incorporate energy/resource usage.	Three Years
2014-44	Encourage sustainability offices duties for municipalities and County campus buildings.	Two years.
2014-45	Zero Energy Home Education	Two Years
2014-46	Alternative power generation options for schools	Two Years
2014-47	Grundy County Transit buses on natural gas as fuel source	Five years
2014-48	Water conservation education and rain garden/harvesting education and promotion of efforts with residents. Regional water conservation efforts with municipalities and County.	Five Years
2014-49	Meds and sharps disposal promotion of Coroner's efforts to protect the tributaries and streams of Grundy County.	One Year

V. Recycling Program Status from 2009 Solid Waste Update Plan:

A. Has the program been implemented throughout the county or planning area?

Yes

B. Has a recycling coordinator been designated to administer the program?

Yes

C. Does the program provide for separate collection and composting of leaves?

Yes

D. Does the recycling program provide for public education and notification to foster understanding of and encourage compliance with the program?

Yes

E. Does the recycling program include provisions for compliance, including incentives and penalties?

Yes

Recycling is not mandated within the county. Therefore, penalties are not enforced. Educational efforts and information provided via the County's website which is www.grundyco.org, its Green Guide, and at public events provide county with information they need to better incorporate recycling into their homes and businesses. The waste haulers operating in the County have been required since 1995 to provide recycling services. All of the communities within the County now have curbside recycling. Ewaste, tires, white goods are not picked up on regular pick up days. Therefore, during two of the ewaste events at the local landfill we offer a white good collection.

F. Does the program include provisions for recycling the collected materials identifying potential markets for at least three materials and promoting the use of products made from recovered or recycled materials among businesses, newspapers, and local governments?

Yes.

The County waste haulers are required through annual waste hauler licensing to weigh the amounts of the materials that they pick up within the county and the amounts that are recycled and provide those figures to the Grundy County Land Use Department. The County has been active in letting the public know about the importance of recycling and also the products made of post-consumer recycled content for purchase locally. The County has promoted recycling through school districts, municipalities and at the County buildings in the following manner:

School children:

- Distribution of promotional gifts such as pencils, temporary tattoos, stickers, rulers, crayons, bags, books, and band aid dispensers.
- Show products made by reusing waste materials (i.e. license plate into a cd holder).
- Works annually with the SWCD at Conservation Days at the Goose Lake Prairie to teach interactively about water conservation.
- Wind farm and landfill tours to students.
- Vermicomposting demonstrations in the classrooms and libraries for adults and children.
- Energy conservation education in the classroom including a wind turbine model.
- o Mini recycling relay
- Toy and book drives at schools

Municipal Notification:

- Distribution of flyers to Village and City Halls.
- o Distribution of flyers to prominent business within the County.
- Newspaper press releases.
- o Radio announcements and interviews.
- Cosponsored Earth Day event
- Ewaste events cooperatively planned at municipalities

County Buildings Recycling Efforts:

- All five County buildings are currently completing paper recycling through Abitibi.
- The Administrative building is currently recycling paper/cardboard, aluminum and plastic.
- The County has purchased post consumer recycled paper for all its printers.
- The Information Technology Department participates in an electronics recycling event.
- All employees and County residents are notified about recycling events through a flyer that is provided to the department heads and also posted outside of the Land Use Department office suite.
- Blood Drives
- Toner cartridge and Quill dollar redemption program for all departments to participate in with the IT department.

Other recycling efforts:

 SW Technician has worked with a local recycling company to partner with them on an electronic recycling event and to collect

- white goods and lead acid batteries.
- o Recycling batteries, bulbs
- Grundy Recycling Event for metals, plastics, paper, old meds/sharps, batteries, bulbs, and eyeglasses.
- o HHW (2013)
- o Tire Event (industrial sponsorship Lyondell Basell)
- Toy and book drive

G. Provide any other pertinent details on the recycling program:

Department received a grant from IEPA for the purchase of ewaste event permanent signs. Grant from Republic Services for the purchase of battery buckets for two libraries, City of Morris, and our administration building. Cooperation from communities was given to advertise and endorse recycling events for the department.

VI. New Recommendations and Implementation Schedule

The Solid Waste Office will implement new programs and continue successful past programs within the next five years. Additions to the program will include more environmental programs for the county residents and school aged children. Modifications have been made to past events and programs to better serve the residents and businesses in the County.

The following is a list of all of the programs the Solid Waste Office plans to implement in the final five years of the 20 Year Solid Waste Plan.

The programs and events are organized in the order that promote:

- Source reduction
- The 4Rs
- Waste disposal
- New technology for waste to energy systems
- We will also work cooperatively with Syntech Bioenergy to promote their waste to energy facility which will transfer all recycled items and produce electricity from a thermal reaction with the other non-recyclable items. Educational opportunities are possible for tours for adults and children, and for the permanent location of a ewaste drop off and other recyclables. This will enforce and make possible for rates of recycling to increase dramatically.

VII. Summary:

In order to accomplish the tasks that are included in the existing and future programs for the next five years of the Solid Waste Plan, the following steps must be taken to ensure the programs success:

Enforcement:

- Increased effort to find areas within the county where residents are in violation of the current ordinance especially for multiple residential units.
- Inform municipalities about the enforcement requirements and to work cooperatively with the municipalities to enforce these requirements. Help those communities by providing an example of language and also by reviewing their text.

Municipality Cooperative Efforts:

- Consideration of a county wide waste hauler that will provide the county both incorporated and unincorporated areas waste and recycling disposal.
 The waste hauler would provide fees to the county to maintain and enhance the Solid Waste program.
- Continue to work with the municipalities to develop new events including their residents.

Staffing:

- The Land Use Department would need to in the future in funds are available to hire a part time educator to help in the educational needs of the schools.
- Support to provide tours for children at the local wind farm and waste to energy facility.
- Help from the GEDC, County Board Chairman and Environmental Committee members to entice Illinois compost companies to develop properties in Grundy County.

GLOSSARY OF TERMS

Compost – Humus like product of the process of composting waste which may be used for fertilizing gardens and house plants.

Composting – The biological process by which microorganisms decompose the organic fraction of waste, producing humus like material that may be used as a fertilizer for gardens and house plants.

Construction and demolition debris – As defined in the Illinois Environmental Protection Act: Clean construction of demolition debris means broken concrete without protruding rebar or metal bar, bricks, rock, stone, or uncontaminated dirt or sand generated from constriction or demolition activities.

Disposal – The end use of materials that are considered no longer useful to the owner. End location of the materials may be a landfill, recycling facility, or reuse by another user. Alternative methods of waste disposal also may be an incinerator, thermal disposal facility, or composting facility.

Hazardous Waste – As defined by the IEPA: waste or a combination of wastes which because of its quantity, concentration, or physical, chemical or infectious characteristics may cause or significantly contribute to an increase in mortality, or an increase in serious, irreversible, or incapacitating reversible, illness; or pose a substantial threat or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed, and which has been identified, by characteristics or listing as a hazardous material.

Landscape waste – As defined by the IEPA: Accumulations of grass or shrubbery cuttings, leaves, tree limbs, and other materials accumulated as the result of the care of lawns, shrubbery, vines and trees.

Municipal Waste – As defined by the IEPA: Garbage, general household, institutional and commercial waste, industrial lunchroom or office waste, landscape waste, and construction and demolition debris.

Municipal waste does include:

- a. Abandoned or discarded household or commercial appliances
- b. Abandoned or waste parts from motor vehicles normally removed as a part of regular maintenance.
- c. Construction and demolition debris from buildings and roads
- d. Landscape waste

Municipal waste does not include:

- a. Special waste
- b. Hazardous waste
- c. Tires
- d. Electronic waste
- e. Earth materials moved or removed during demolition or construction
- f. Scrap metal from industrial operations such as machining, lathe work, tool and die operations and the like
- g. Abandoned or scrap motor vehicles
- h. Surplus or donated clothing given to charitable organizations

- i. Surplus or donated food contributed for human consumption
- j. Usable or reusable commodities donated to charitable organizations

Recycling – As defined by the IEPA

Recycling, reclamation or reuses means a method, technique or process designed to remove any contaminant from waste to as to render the waste reusable, or any process by which materials that would otherwise be disposed of or discarded are collected, separated or processed and returned to the economic mainstream in the form or raw materials or products.

This would include but not be limited to the following:

- a. Composting operations
- b. Applying landscaping or other municipal waste directly to ag land at agronomic rates
- c. Landscape that is collected, separated or processed and returned to the economic mainstream in the form or raw materials or products
- d. Shredding operations where the waste is returned to the economic mainstream or replaces other raw materials as fertilizer or erosion control materials.
- e. Reusing of construction materials for future construction of structures.
- f. Using waste for commercial feed for such things as livestock farms
- g. Processing waste at a rendering facility for return to the economic mainstream
- h. Processing municipal waste such as metals into usable product.
- i. Processing waste through an alternative method of waste removal.

Recycling Center – As defined by the IEPA:

Recycling venter means a facility that accepts only segregated, nonhazardous, nonspecial, homogeneous, nonputrescible materials, such as dry paper, glass, metals, or plastics, and ewaste that may be reprocessed for use as raw materials.

Recycling rate - As defined by the IEPA:

Municipal waste recycling rate: the percentage derived by dividing the weight of the generated municipal waste that is being recycled (or planned for recycling) by the weight of the municipal waste generated, (or expected to be generated) within the area of concern during the same year. The weight of municipal waste being recycled is: the weighed amount of municipal waste received for recycling minus the weighed amount of materials remaining after processing that is not recyclable.

Source reduction – Any action that avoids the creation of waste by

reducing waste at the source, including redesigning of products or packaging so that less material is used; making voluntary or imposed behavioral changes in the use of materials; or increasing durability or reusability of materials.

Special wastes – As defined by the IEPA

Special wastes mean any industrial process waste, pollution control waste or hazardous waste.

APPENDIX A: Meeting Agendas and Minutes

APPENDIX B: Event Advertisement

APPENDIX C: Public Hearing

APPENDIX D: Adoption Resolution

APPENDIX E

APPENDIX A: Meeting Agendas and Minutes



Grundy County
Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)

[date]

Dear

We would like to invite you or your representative to join us in the development of the twenty-year Solid Waste Management Plan. The original Solid Waste Plan was officially adopted by the Grundy County Board in June 1993 and since that time has been updated every five years. State law does require that we complete another Twenty Year plan by 2014 when the last five year update will

expire.

Our Environmental Committee which oversees the Environmental and Resource Conservation Office (ERCO) feels that municipal, industrial, educational, and Grundy County resident input is an important and necessary part of this process. Therefore, we are forming a Solid Waste Update Steering Committee (SWUSC) to accomplish the plan update.

The SWUSC will meet the	of every month from	4:30 P.M. to 5:30 P	.M. in
conference room 1 and 2 at the Grundy C	ounty Administration	Building located at 13	320 Union Street
in Morris. In order to anticipate the amoun	t of people that will	be participating on the	e committee on a
consistent basis, please give our assistant	Ms. Karen Campbe	ii (815) 941-3214 yo	ur name, phone,
email and cell phone number which will he	elp us to keep you in	nformed of the activitie	es of the plan.

Our first meeting is tentatively scheduled for February ______, 2013 at 4:30 P.M.

We appreciate your cooperation in this effort. If you should have any questions feel free to contact my office at (815) 941-3229 or email at hmiller@grundyco.org.

Thank you for your interest in the environmental goals and waste management of Grundy County.

Respectfully,

Heidi H. Miller

Cc:

Chairman Ron Severson

Vice Chairman David Welter

Environmental Chairman Dick Joyce

P. Rudman; Assistant States Attorney

:sw2Oupdatejan2O13invite



Grundy County Land Use Department 1320 Union Street Morris, IL 60450 (815) 941-3229 (815) 941-3432 (fax)

2/13/2013

TO:

Chairman Ron Severson

Solid Waste Update Steering Committee (SWUSC) – 20 year Plan

FROM:

Heidi H. Miller; Director

RE:

Agenda February 26, 2013 - 4:30-5:30 PM

- I. Welcome and Introductions
- II. Overview of the Solid Waste Plan and the Update Process
- III. Election of Chairperson
- IV. Objectives for the SWUSC
- V. Review of Current Plan/Ideas
- VI. Consensus of Next meeting time and date
- VII. Adjournment



4/12/2013

TO:

Chairman Ron Severson

Solid Waste Update Steering Committee (SWUSC) - 20 year Plan

FROM:

Heidi H. Miller; Director

RE:

Agenda March 26, 2013 - 4:30-5:30 PM

- I. Review and approval of March 26, 2013 minutes
- II. Review of the 2009 Solid Waste Update Plan
- III. Suggestion of changes to the Plan
- IV. Highlights from other plans for consideration
- V. Adjournment Next meeting May 20, 2013



3/19/2013

TO:

Chairman Ron Severson

Solid Waste Update Steering Committee (SWUSC) - 20 year Plan

FROM:

Heidi H. Miller; Director

RE:

Agenda March 26, 2013 - 4:30-5:30 PM

- I. Review of February 26, 2013 minutes and Approval
- II. Explanation of SynTech Bioenergy Proposed Facility
- III. Adjournment



6/14/2013

2013 SWUSC Meeting June 25, 2013

TIME: 4:30 PM

LOCATION: Conference Room One and Two, Administration Building

- I. Review of March 2013 meeting minutes
- II. Summary of Changes made to the Solid Waste Update Plan
- III. Ideas and Changes from the Committee to be Incorporated
- IV. Adjournment Next Meeting July 23, 2013



7/9/2013

2013 SWUSC Meeting July 23, 2013

TIME: 4:30 PM

LOCATION: Conference Room One and Two, Administration Building

- I. Review of June 25, 2013 meeting minutes
- II. Summary of Changes made to the Solid Waste Update Plan
- III. Suggestions from Committee for Changes
- IV. Adjournment Next Meeting August 27, 2013



8/16/2013

2013 SWUSC Meeting August 27, 2013

TIME: 4:30 PM

LOCATION: Conference Room One and Two, Administration Building

- I. Review of July 23, 2013 meeting minutes
- II. Barber comments on Landfill packet to be provided
- III. Summary of Changes made to the Solid Waste Update Plan
- IV. Suggestions from Committee for Changes
- V. Adjournment Next Meeting September 24, 2013



2013 SWUSC Meeting December 17, 2013

TIME: 4:30 PM

LOCATION: County Board Room; Grundy County Administration Building

- I. Review of September 24, 2013, and October 22, 2013 meeting minutes:
- II. Review of Changes to the 20 Year SWUSC Plan
- III. Update on Needs Assessment and Siting Ordinance Change
- IV. 2014 Meeting Schedule
- V. Adjournment



3/27/2013

2013 SWUSC Meeting March 26, 2013

TIME: 4:30 PM

LOCATION: County Board Room

MEMBERS PRESENT:, Dick Joyce (County Board Member), John Almer (County Board Member), Chairman Ron Severson (County Board Member), Teresa Hammond (Heartland Disposal), Dave Boggs (County Board member), Millie Dyer (County Board member), Jason Helland (States Attorney), Beth LaPlante, Teryl Lundeen (County Board member), Pat Neff, Harold Vota (County Board member), Deb Warning (County Board member), Ken Iverson (County Board), David Welter (County Board), Jim Allen (Republic), Frank Barber, Ken Daggett, Art Hornsby, Caroline Portlock (Chamber), Tim Urbanik, Sandy Yu (Lyondell Basell), Mr. and Mrs. McKinney, Dan Duffy (Minooka), Wayne McFarland (Syntech Bioenergy), and Esther Shaw.

OTHER INTERESTED MEMBERS OF THE PUBLIC: Missy Durkin; GEDC, Don Hanson, Ken Sereno, Drew Muffler, press

COUNTY PERSONNEL: Heidi H. Miller; Director of Land Use Department.

I. Review of February 26, 2013 minutes/approval -

Chairman Joyce asked if there were any changes or modifications from the minutes. None was heard. Joyce asked for a motion to approve the minutes as provided. Hornsby motioned, Almer seconded. Motion passed.

II. Explanation of Syntech Bioenergy Proposed Facility –

Joyce introduced Wayne McFarland and stated that he would be explaining his proposed waste to energy facility for Grundy County.

III. Adjournment

Almer motioned, Ryan seconded. Motion passed.

Time: 5:15 PM



4/24/2013

2013 SWUSC Meeting April 23, 2013

TIME: 4:30 PM Conference Rooms 1 & 2

MEMBERS PRESENT:, Dick Joyce (County Board Member), John Almer (County Board Member), Chairman Ron Severson (County Board Member), Teresa Hammond (Heartland Disposal), Millie Dyer (County Board member), Jason Helland (States Attorney), Beth LaPlante, Ken Iverson (County Board), David Welter (County Board), Jim Allen (Republic), Eric Dippon (Republic), Teresa Kernc (Diamond), Frank Barber, Ken Daggett, Art Hornsby, Tim Urbanik, Mr. and Mrs. McKinney, Dan Duffy (Minooka), Wayne McFarland (Syntech Bioenergy), Terry Christiansen, and Esther Shaw.

COUNTY PERSONNEL: Heidi H. Miller; Director of Land Use Department

I. Review of March 26, 2013 minutes/approval -

Chairman Joyce asked if there were any changes or modifications from the minutes. None was heard. Joyce asked for a motion to approve the minutes as provided. Almer motioned, Dyer seconded. Motion passed.

- II. Review of the 2009 Solid Waste Update Plan Miller mentioned that each member was mailed the 2009 Solid Waste Plan and went through each section of the plan highlighting the format and function of each section. Miller stated that the sections could be modified and that at any point this could take place during the process. Miller asked if there were any questions. There were none.
- III. Suggestion of changes to the Plan -

Miller mentioned that based on the amount of staffing the office has, and what has worked in the years and what has not, she had a few suggestions for changes. Miller continued by saying that since the school districts and their curriculum include a lot of information on recycling, that the plan could be developed to include more information on environmental issues instead. Include more events in recycling and reuse. Miller included that churches have not been approached for outreach in recycling goals. Including goals such as one waste hauler for the County with a specific destination for the transport of waste processing. Waste audits for schools, and commercial users by Verdeco which provided the County a free audit. Municipality partnerships and commercial/industrial partnerships will help in the

outreach process and help with the funding of events (commercial/industrial/waste haulers). Apartments within the county and incorporated to be required to recycle for their residents. Removal of the construction and demolition recycling as it is not viable based on the lack of construction that the county is experiencing.

Almer asked if the plan is 20 year plan why we would not include it. Miller responded by stating that if construction picks up that it could be added at the five year update. She continued that funding from the state is going more towards for ewaste than demo/construction materials.

She stated that another possible change could be the partnership work with environmental groups such as the watersheds, etc. for education.

Green labeling and green code adoption for county and municipalities would be another area that we could add as a goal. Adding incentives for green construction in the form of fee reduction is a way to promote environmental stewardship.

Joyce asked if the apartments are required to recycle now. Miller stated that apartments within the villages would work with the County to adopt that language and add that information. Almer asked if we would enforce this. Miller answered yes in unincorporated.

Dyer said that preschools would be another option for education as well. Joyce suggested green fests and summer events that we could be involved in to provide bins for recycling at these events. Miller stated that the Cocoa Cola grant for wire frames and bags for recycling events for three years and were denied. This would be a perfect opportunity she stated to work with municipalities for these events. McFarland asked how much money was being offered for this purchase. Miller stated that there wasn't a dollar amount but just an amount. She had asked for fifty that would be loaned to which every group would need them. Joyce discussed recycling efforts of the larger commercial users and if that may be a connection we could make. Ryan brought forward that Excelon has the triple bins that may be a good idea for these events. Abitibi bins were discussed and how if they are not profitable for the company that these bins are pulled.

Urbanik stated that with construction debris is a concern in regard to how it is processed. Allen stated that it goes into the landfill. It was mentioned that construction debris is recycled but at facilities that are not close to Grundy County but are in Chicago. McFarland reiterated that we should keep this information in the plan as we need to let the developers/contractors where these materials will go to. Miller stated that the plan includes ideas for action plans and outreach and that the Green Guide will still include facilities where contractors would be able to take this type of debris for recycling.

Joyce asked for any comments or suggestions. There were none.

IV. Highlights from other plans for consideration

Miller said that she looked through some plans that were five years or less in age to be timely and included some ideas from those that we may want to consider to include in the our plan. She summarized her memo that included, green incentives, organic recoveries, redoing the ordinance, combustion energy recovery, pay as you throw programs, events sponsored by waste haulers, permanent ewaste recycling site open year round, grant applications through the NCIGS, and any other new ideas that are attainable that the committee would suggest.

Hammond suggested that the ewaste is able to be picked up at the homes. Miller stated that Vintage does do the door to door but it is a waiting list and it is mostly covering communities that are adjacent to Will County. Joyce said that we have events almost every month and that we would like to have a permanent site that is watched to prevent fly dumping. Miller stated that Vintage Tech does not pick up County-wide. Permanent sites need to be roofed over and that we would need grant money to have a structure built for that.

Joyce mentioned that there are groups that will provide assistance in regard to energy conservation and that it is an income based provision.

Joyce asked if there were any other comments. There were none.

Joyce asked what is next for May. Miller stated that she would started writing the plan and would provide the committee sections instead of a large portion. Joyce stated this was a better method to review the draft. Almer asked McFarland if there was an update on his facility/system. McFarland stated he did not. He is working with the city next on a host agreement and this would also work with the County. Dyer asked what the facility would do to the traffic on Ashley Road. McFarland stated that since the landfill would be closing that the additional trucks would be going to their facility and it would not have a substantial effect. Hammond asked if the County would be involved in the siting agreement and if it was approved by the County. Miller stated that the County did approve a resolution supporting the facility but not an approval. The County would work with the host agreement and bring that information forward in the plan but not be an approval position in the siting agreement. Miller asked McFarland when he would have a site plan ready for the group to review. McFarland stated that it may be in May.

Hammond asked about the minutes and that as a representative of a waste hauler they were not informed. McFarland clarified that what he meant was that he had talked to other waste haulers at other locations for potential partnerships.

V. Adjournment

Meeting was adjourned at 5:10 PM



6/14/2013

2013 SWUSC Meeting June 25, 2013

TIME: 4:30 PM

LOCATION: Conference Room One and Two, Administration Building

MEMBERS PRESENT: Dick Joyce (Chair), John Almer (County Board member), Chairman Ron Severson, Teresa Hammond (Heartland), Millie Dyer (County Board member), Beth LaPlante (U of I Extension office), Terry Kernc (Diamond), Teryl Lundeen (County Board), Pat Neff, Deb Warning (County Board member), Ken Iverson (County Board member), Jim Allen (Republic), Frank Barber, Ken Daggett, Art Hornsby, Caroline Portlock, Tim Urbanik, Sandy Yu (Lyondell Basell), Mr. and Mrs. McKinnery, Dan Duffy (Minooka), Wayne McFarland, and Esther Shaw.

County Personnel: Heidi H. Miller

- Review of March 2013 meeting minutes Chair Joyce asked if there were any questions concerning the meeting minutes. Kernc noted that she was at the last meeting and would like for that to be noted in the minutes. Hornsby noted that the word benefit should be used instead of growth on the second page. Miller said she would make those changes. Almer motioned, Dyer seconded. Motion passed.
- II. Summary of Changes made to the Solid Waste Update Plan Chair Joyce asked for the summary of the document that was sent out to the committee members. Miller stated that it was the first nine pages of the document that were updated. Miller went through all of the changes based on current issues such as a potential alternative waste to energy facility. Updates such as adding recycling programing to increase the recycling rate. Implementation of the plan will require waste hauler agreements for new events for recycling, and a host agreement between the City of Morris, and Syntech Bioenergy. She noted that the projected demographics of Grundy County shows a steady increase in the next 20 years to be prepared for this. The recycling rate currently of Grundy County is 11%. New items were added to the list of recyclables such as electronics, and plastic film materials. Branching out composting education for the restaurants and grocery stores. Education for HHW disposal is very important as Miller noted based on the amount of attendance at the HHW that the County recently had. Closure of the landfill is something that will be monitored in the next 20 years as the landfill is slated for closure in 2014. Facilitating a composting facility in the County is important as this county being predominantly agricultural in nature. Energy audits for free is possible and adding this as a county-wide campus

building check and for municipalities is something that we also need to add to.

Chair Joyce said that there were a few typos that need to be corrected and that on page 4 for bulbs and batteries, to add landscape waste to the agreement with the waste haulers. For the Green Guide to include the Grundy Transit and bike paths as forms of transportation and for connections to the municipalities through bike paths. Miller noted that she would add Chair Joyce's comments. Chairman Joyce asked if the rest of the committee to add or ideas.

III. Ideas and Changes from the Committee to be incorporated – Hornsby asked if there was a thought to have the rural areas to be required to recycle. Miller stated that it is costly to the residents to have recycling as an option. Miller did note that the cost of the single stream if that occurs would allow them a cheaper cost due to all waste going to Morris. Barber stated that the education of the children in school, that it would be good to have competition between schools or classrooms and a reward system for recycling. Miller mentioned the paper drop off and pizza party that the Coal City Elementary School had. Chair Joyce mentioned the plastic bottles from lunches and cans for pop if the schools allow it. Training the children early was noted. McFarland asked what type of recycling the schools have currently. Miller mentioned that all of the schools have the option of having a recycling bin for their use through their waste hauler. Almer thought that it would be a good idea to audit the schools and see what the schools are doing and then to take a next step to convince them to recycle in order to help with material purchases for the schools. McFarland mentioned that a college level intern may benefit from doing this as a summer study that would eventually lead to suggestions on how they can recycle their materials. Miller mentioned that paper is the only thing that she has seen recycled at the schools, but it the Music Boosters, or the Athletic Boosters to provide the support for this work. Teresa stated that some have comingled recycling bins to pick up. There were a lot of ideas brought forward that may help the schools. A comment was made by Sandy Yu in regard to digesters that would be able to take on the food waste that is produced. Hammond mentioned that there was compost collection taking place at Wal-Mart. McFarland stated that WalMart has a zero waste policy. Joyce mentioned a cannery in Kankakee that does the same.

Hornsby wanted to know how far we were with the document at this time. This was summarized for the committee and what the next steps would be. Almer asked about the funding for the department. Miller stated that funding has always been an issue with the landfill closing. If the Syntech Bioenergy facility is constructed there would be funds for that and we would also have the Green Energy Fund of \$20,000.00. There was also discussion in previous meetings that the waste haulers providing additional help with events. Joyce asked what salaries and items were included in the ERCO budget. McFarland asked what the landfill stipend was. Joyce said that we receive 30% of the tipping fees or about 0.38/ton. Joyce mentioned that we only took what we needed and the rest of the money would go back to the City if not used. There was discussion about previous agreements and Joyce recalled that the original agreement was in 1992.

Chair Joyce asked if there were any comments. Seeing that there were none he asked if McFarland had an update. McFarland said he is planning on meeting with the City and is working on the application to IEPA for siting. Chair Joyce stated that when the host agreement is being discussed that the County be there to discuss the details.

IV. Adjournment – Next Meeting – July 23, 2013 – Chair Joyce asked for a motion to adjourn the meeting. Almer motioned, Iverson seconded. Motion passed.



10/9/2013

2013 SWUSC Meeting Minutes September 24, 2013

TIME: 4:30 PM

LOCATION: County Board Room; Grundy County Administration Building

MEMBERS PRESENT: Jim Allen (Environtech), John Almer (County Board Member), Frank Barber, Eric Dippon (Environtech). Dan Duffy (Minooka), Art Hornsby, Ken Iverson (County Board member), Dick Joyce (County Board member), Teresa Kernc (Mayor of Diamond), Gerald and Jean McKinney, Kevin McFarland, Eric Rasmussen (County Board Member), and Tim Urbanik. County Personnel: Heidi H. Miller

I. Review of August 27, 2013 meeting minutes – Almer motioned, Urbanik seconded. Neff discussed that the strip mine information that she provided was not verified but theorized only. Barber stated that he wanted clarifications on page 3, the correction would be (according to Dippon) that sixty acres are capped and approximately 14 acres need to be capped. Barber continued that the leachate increasing comments were in error. Barber stated that there was an increase in 2007. However, Barber continued, the leachate has been decreasing since 2007. Barber asked for the test results for Neff's well to be provided. Hornsby commented on page 3 in regard to the test results as they were provided in the previous meeting. The test data was discussed and Neff stated that this information could be discussed later. Hornsby stated that Rasmussen should be listed as a County Board member. Joyce thanked the committee for the comments and changes. Almer motioned the minutes with the changes, Hornsby seconded. Motion passed.

II. Solid Waste Update Committee Goals and Objectives for Plan/Meeting Protocol

Joyce asked Miller to discuss the memo that was provided. Miller stated that the last meeting it was clear that the members of this steering committee all have a vote and explained the process of the approval of the plan. Miller stated that she had received some meeting protocol ideas from her administrator, Chris Wittkamp, and wanted to share some of those with the group such that everyone is able to participate. Respecting others views and allowing them to speak is important. Miller explained that water quality is something that everyone is concerned about and that it could be added as an objective goal to the plan. The plan needs to *include many goals that will allow for the needs of the County for the next twenty years*. Hornsby asked about rabbit trails comments. Miller explained the concept to Hornsby.

III. McKinney discussion on well results

McKinney went through her results and those of the area that is adjacent to the landfill. She continued that the testing was completed to correlate those results based on mining that was done in the area. She stated that the results indicated that the contamination was not naturally occurring. Of the wells that were tested in the area in 2007 arsenic was a common element shown in the tests. She explained that the well that existed inside the Environtech landfill property was 22x the amount that is allowed for arsenic. McKinney continued that the Rod and Gun Club shows 21x the amount for arsenic and that there is camping on that property and location. McKinney stated that in the graph that was provided in back of the report indicates that the amount of arsenic as it went up at the landfill also went up in other locations as well. McKinney noted that the amount of ashes that were hauled to the landfill that this amount could cause arsenic to show up in the wells that were tested. McKinney stated this is the reasoning for the language in the solid waste plan to be no new or expansions to landfills. Joyce asked McKinney is the well was retested at any point after 2007.

Hornsby stated that his theory that the liner failure in 2009 noted in Hornsby previously distributed packets that antimony and thallium were high, and that the water migrates the contaminations. Hornsby stated that if the liner should have been fixed. Hornsby stated that the engineer stated that the landfill was built upon a shallow water table.

McKinney stated that the wells shown that were tested really indicates how many residents would be affected by contamination.

Joyce stated that in 2007 testing that even if though the water aquifers are different, there are mining areas shows arsenic as a by-product. Urbanik stated that the quarry in Channahon would have results that would show in there is migration of contaminants by it being lower than any point. Joyce was asked if the quarry has water testing. Joyce stated that it is within the Channahon city limits and they would potentially have those results.

Joyce felt that is was a good point and that he would look into it more with the Village of Channahon administrator or mayor. Hornsby stated that when the liner fails that the water should be tested.

Dippon (Republic) stated that the liner has never failed and that there has been testing accordance with the regulations. He stated that the plan previously stated that a landfill expansion would be allowed for a "complaint" landfill and that would be shown for Environtech at a siting hearing.

Joyce asked if arsenic was found in the test results from Mr. Purseglove in 2009. McKinney stated that there was none at that time. Joyce asked why McKinney's had their wells tested. She stated that they had expressed concerns about their wells and the Environmental Health Department assisted in getting those tests completed. Joyce stated in 2009 it was testing that was completed around the county.

Barber mentioned that the sand mine operation on Cemetery Road would also be a good

source for checking contamination. Joyce asked if scientists of engineers could determine exactly where the point source of the contamination. Hornsby stated that the wells should be tested for any chemicals that a landfill could produce. He suggested that the County request the IEPA to have the test conducted. Hornsby finished by stating that the County Board members should be concerned about the water quality of the residents.

Dippon stated that the landfill is compliant and that out of state deliveries is accepted but

those loads are not hazardous waste deliveries. Barber stated that Environtech does accept hazardous waste. Dippon stated that the take non-hazardous special waste, which is not considered hazardous. McKinney asked what that included. Dippon stated as it is defined in the IEPA website. Barber stated that he would bring the information next meeting.

Neff stated that we were not focusing on the goals of the meeting and that we need experts to decipher the results. Joyce agreed and stated that a siting hearing allows for this to happen. Joyce stated that the process works.

Miller stated that the plan already had two sets of language to allow for an expansion of a compliant landfill and language for no new landfills. When the committee takes a vote, the plan will then be recommended to the environmental Committee for process to the County Board for final approval. She suggested that they move to the next topic and asked the committee to provide suggestions on how to approach the issue of water quality in Grundy County.

IV. Suggested possible changes to SW Update plan

Miller stated that based on a recent conference that she attended, that the committee considers adding futuristic goals as was stated in her memo dated September 11, 2013. The memo was summarized and included many options for the County to work with the municipalities in a cooperative effort to gain the goals that were listed. Miller asked that the committee review the ideals and report on what should be added as some parts of the country are already implementing these ideals. Kernc mentioned that many areas have waste to energy facilities and that should be highlighted within the plan and considered as the County's future. Kernc stated that the expansion of the landfill would a last resort and that since technology is working toward these goals it is an exciting time for getting this accomplished.

V. Committee suggestions on funding streams for Solid Waste Plan Implementation

Miller asked that since the state statute requires that this county have a solid waste plan, we need funding to implement that plan. The funding streams she explained are the \$20,000.00 from the Horizon wind farm, and the tipping fee portion from the landfill. Miller asked for suggestions on funding streams for keeping this plan moving forward. Barber stated that tire recycling would be one way of getting the money and that the county residents could pay an additional fee for those. Barber also suggested some money for ewaste as a surcharge for the ewaste that is recycled. Hornsby asked if there were other departments are funded by the user. Joyce stated that the health department is funded by grants and the general fund provides the other funds. The costs however, do not cover the entire departments. Hornsby stated that the Solid Waste office (ERCO) should be funded by the general fund. Joyce mentioned that the Kankakee County did put a freeze on landfills and since then has had to pay to have the language put back into the plan as they are without the funds necessary for county projects. Discussion continued about landfills and solid waste plans. There was discussion on whether townships could bid out waste hauler costs as single hauler.

VI. Adjournment – Next Meeting – October 22, 2013 – Almer motioned, Hornsby seconded. Motion carried. Meeting concluded at 5:45 PM.



2013 SWUSC Meeting Minutes October 22, 2013

TIME: 4:30 PM

LOCATION: County Board Room; Grundy County Administration Building

MEMBERS PRESENT: Jim Allen (Environtech), John Almer (County Board Member), Frank Barber, Eric Dippon (Environtech), Art Hornsby, Ken Iverson (County Board member), Dick Joyce (County Board member), Teresa Kernc (Mayor of Diamond), Gerald and Jean McKinney, Wayne McFarland, Pat Neff, Caroline Portlock, and Tim Urbanik.

COUNTY PERSONNEL: Heidi H. Miller (Land Use Director), Rick Porter (Attorney)

I. Review of September 24, 2013 meeting minutes:

Almer motioned to table to give committee more time to review, McKinney seconded. Motion passed.

II. Republic Comments Concerning Environtech Landfill:

Dippon from Republic had provided a handout. Chairman Joyce asked them to describe the letter and information. The letter was dated October 11, 2013 and is attached along with the handout entitled Possible Environtech Landfill Expansion dated August 2010 (also attached). Dippon summarized the letter attached.

Some discussion ensued on the following:

- expansion hearings for the landfill
- definition of special waste
- documents provided to the committee from members
- function of the Solid Waste Update Committee to work on the update not discuss the landfill expansion,

III. Mr. Rick Porter Comments Concerning Future Needs of the County

Chairman Joyce introduced Mr. Porter as an environmental attorney that has come before the Environmental Committee and would like to discuss the future needs and a needs assessment for the County.

Porter provided background of his experience and discussed that he was hired by the County to look over the current ordinance to determine whether it is updated or not

and what improvements should be made, and also to look over the SW 10 year Update Plan. Porter expressed that he thought a needs assessment is needed at this time. Porter summarized his letter dated October 21, 2013 (attached). Porter stated that the current plan is not completely following the state statute. He explained that there are professionals that have the experience that can determine the actual weight of solid waste the is produced by the County and will be in the future, as the values noted are not always accurate as represented by the waste haulers. The statute also states that the Solid Waste Plan also include potential waste reduction methods and facilities for the County that will dispose of solid waste. An environmental consultant would be able to perform this task as they have the expertise, Porter stated. Porter stated that because there has been discussion on restricting landfills or expansion of an existing landfill, he pointed out that since the Environtech landfill will be closing other landfills will need to be used for the county's waste. He stated that the nearest that Prairie View will only accept Will County waste, Laraway only accepts special waste, Riverbend has only one year of service left, and Land Comp has some issues with that facility. The question Porter stated is how much will this cost the County residents to dispose of the waste if it is shipped from the County. The needs assessment will provide the information on impacts of having a landfill or shipping the waste out of the county. Environmental Committee will make the determination as to whether it will authorize the expenditure of funds to hire an environmental expert. He felt that around \$10,000.00 would be enough to pay a consultant to complete the needs assessment that would be language that would added to the plan to update it to comply with the state statute. Porter asked if there were any questions.

Hornsby asked if Porter knew that most waste is hauled out of the county at this time. Porter responded by stating that is not surprising as the current landfill is closing. Hornsby stated that we would know the costs to haul at this time. Porter said that current contracts would be considered but those contracts would change through time as hauling distances increase with time. Joyce also included that all of the communities have contracts with waste haulers and Mayor Kopczick stated that the city of Morris contract expires 9/2014. Porter stated that the information determined in the needs assessment will aid in making decisions for the 20 year plan. Miller added that when the plan was completed in 2009 that all three major haulers had stated that there would be a 20% increase in garbage hauling without an expansion to the existing landfill. Urbanik stated that fuel pricing has already been included in the bill and this has affected the cost.

Almer motioned to send a positive recommendation to the Environmental Committee that an environmental expert be hired not to exceed \$10,000.00, Seconded by Mayor Kernc. Motion passed to recommend to the Environmental Committee.

IV. Adjournment:

Almer motioned, Urbanik seconded. Motion passed. 5:30 PM.



2013 SWUSC Meeting December 17, 2013

TIME: 4:30 PM

LOCATION: County Board Room; Grundy County Administration Building

MEMBERS PRESENT: John Almer (County Board Member), Frank Barber, Ken Daggett, Eric Dippon (Environtech), Art Hornsby, Ken Iverson (County Board member), Dick Joyce (County Board member), Beth LaPlante, Gerald and Jean McKinney, Wayne McFarland, Pat Neff, ne Portlock, Esther Shaw, and Tim Urbanik.

COUNTY PERSONNEL: Heidi H. Miller (Land Use Director)

I. Review of September 24, 2013, and October 22, 2013 meeting minutes:

Dippon stated that in the September 24, 2013 minutes that the following changes need to be made: First paragraph "...sixty acres are not capped and approximately 20.6 acres have been capped..."; Second page fifth paragraph from the bottom of the page the word complaint should be replaced with compliant. Last paragraph should state that "....Dippon states that they take..."

Hornsby mentioned that on the second page second paragraph that the documents that had been provided by him were dated 2002, and 2006.

Miller stated that she would make those changes.

Joyce asked for a motion of the minutes with changes. Almer motioned, Urbanik seconded. Motion passed.

Joyce asked for a motion for the October 22, 2013 minutes and if there were any changes. Almer motioned, Urbanik seconded. Motion passed.

II. Review of Changes to the 20 Year SWUSC Plan

Miller summarized that the memo in September changes were made to the future goals listed under Environmental Education listed on pages 12, 13, and 14. Some other editorial changes were also made to the document. Miller mentioned that in order for the twenty year plan to be compliant with the state statute she is looking toward the completion of the needs assessment to make those changes to the document. Miller asked the committee if they had any changes to the plan.

Neff stated that Goose Lake Conservation Tour needed to be added to page 12.

Joyce asked if there were any further suggested changes to the document.

Almer suggested having dates added to the document such that the most recent document is being reviewed. There was discussion was made for the addition of natural gas or lpg fuel for vehicles.

Urbanik mentioned that it would be helpful to have a draft of the document with the changes shown thus far and mentioned that the conversion of cars to natural gas would be a plus for the Sheriff's and municipal police vehicles as they tend to have longevity.

McFarland state that gas to liquids should be limited in the document based on natural gas being converted to motor fuels and that this is evolving. A change that was suggested was to change the language of goal 2014-39 to read ".....the use of <u>alternative fuel</u>.." Urbanik stated that other vehicles in fleets such as hospital or Grundy Transit vehicles should also be included.

Joyce suggested just showing the changes on line or just providing the one or a couple sheets where changes were made.

Shaw suggested that bike riding be promoted and also in the form or maintaining sidewalks during all seasons especially snow fall seasons.

Daggett suggested that recycling center be considered for the County and be centrally located that would take tires, electronics, and other recyclable materials. Daggett suggested the corner of Route 113 and Route 47. Joyce stated that this has been discussed on a County level many times and that resources and funding the structure is an issue as the facility would have to be covered over. Joyce stated that it would be something to consider for the future and that the electronic recycler may assist with this.

Miller stated that any recycling center would need to be fenced in as the County had a triple binned dumpster at the Administration Building parking lot but residents would fly dump outside of the bin so it was discontinued. Miller also mentioned that the tire event that the County had this year was poorly attended and that the township event was better attended. She emphasized that funds and a secure area are needed such as the animal control facility. Hornsby asked if the building that is currently behind the Animal Control facility was being used currently. Miller stated that both the Highway Department and the Animal Control Department both use that building. Miller stated that it would be added to the plan.

III. Update on Needs Assessment and Siting Ordinance Change

Joyce summarized that the RFQ packets are due on Friday December 20, 2013 for the needs assessment and that the Environmental Committee members would be interviewing those firms. Once the company completes their work, those changes can be included into the twenty year plan.

Joyce also mentioned that Porter (Environmental Attorney) had completed the update of the siting ordinance for the County and that had been forwarded from the Environmental Committee to the County Board. Joyce stated that a lot of the changes are procedural, and updated to the current state statute. It is organized in a better format and provides more detail. This will be helpful if the County is the siting

authority for any facility requiring siting that is in the unincorporated area of Grundy County.

Urbanik mentioned that on Armstrong Street in Morris takes scrap metal and batteries and this would be a possible connection for the department to investigate. Urbanik stated that he would provide Miller with some information for her office. Daggett had expressed his concern about composting facilities and that the County protects the residents in the future with specific guidelines and language especially concerning odor emission. McFarland mentioned that composting and the capture the gases being emitted for energy transmission.

IV. 2014 Meeting Schedule

Miller stated even though the schedule runs to November, we will probably finish before that. She mentioned for the January meeting that it will probably be cancelled as the needs assessment will need to be completed and that no further changes will be made to the plan with the exception of what was mentioned at today's meeting. She said postcards for the cancellation will be sent to them. November 25th was suggested as a change, Miller stated she would change that date.

Hornsby motioned, Urbanik seconded. Motion passed.

V. Adjournment

Almer motioned, Iverson seconded. Motion passed.

Meeting adjourned at 5:10 PM.



2014 SWUSC Meeting July 23, 2014

TIME: 4:30 PM

LOCATION: County Board Room; Grundy County Administration Building

MEMBERS PRESENT: Jim Allen, John Almer (County Board Member), Frank Barber, Guy Christiansen, Ken Daggett, Eric Dippon (Environtech), Theresa Hammond, Art Hornsby, Ken Iverson (County Board member), Dick Joyce (County Board member), Gerald and Jean McKinney, Pat Neff, Eric Rasmusson (County Board member), and Tim Urbanik.

COUNTY PERSONNEL: Heidi H. Miller (Land Use Director)

I. Review of meeting minutes:

No minutes were available to review at that time.

II. 20 Year Solid Waste Plan Recommendation by the SWUSC

Chair Joyce asked for any comments regarding the draft of the 20 Year Solid Waste Plan. Joyce stated that we will be asking for a recommendation of the plan to the Environmental Committee to further the plan to the County Board for their consideration.

Chair Joyce requested that the committee members turn to page 18 in regard to the program 2014-22 in regard to either a landfill expansion/new landfill or no new landfill provisions. He requested that the committee make a decision on what language should be included within the plan. Joyce read through the two statements.

Daggett asked if the other options as far as alternative methods would be taken out of the document. Joyce stated that all of those options would remain. Hornsby stated that the City of Morris voted to have all of the garbage to be taken out of the county through their garbage contract. Hornsby stated that an alternative method similar to Syntech was occurring in Bloomington/Normal. Motion by Hornsby that the language no new landfills be kept in the document, seconded by Daggett.

Almer asked if the Syntech system would be allowed in the plan. Miller stated that language would remain in the plan.

Christiansen asked if all the alternative methods that are in the plan why not include

landfills when that system is tried and true. Why would we not allow for a new landfill? It was clarified that the language was for the entire county. Urbanik stated that if someone wanted to put in a new landfill they would be able to change. Joyce stated that the language could be changed in the future to allow for a landfill. It would not need to go before a citizen committee. Daggett stated that there may be a future technology and that would help with revenue and energy savings. McKenney stated that not having the landfill is because it is over an aquifer and that the water needs to be protected. Daggett stated that one of the four Rs is respect the earth and we need to show that by not allowing for landfills that pollute the ground.

Joyce stated that he understood the concerns about the water. He continued that the landfill (Environtech) allowed for capacity and now if the language changes we will be dependent on other landfills and we will be at their mercy for costs. Environtech is a compliant landfill and that this is difficult for funding of services in the county without having that revenue. As a county board member he stated that the process in siting an expansion or new landfill is very restrictive and has shown to be successful for the area. Siting looks at geology, hydrology, and soils and evaluates all components that may be effected by a landfill that is provided by scientists, Joyce stated. He felt that the language should remain.

Hornsby stated that the primary function of elected officials is the health and safety of the residents whom they serve. He stated that this was done by Grundy County when opposing the Kendall County landfills. He continued by stated that both Republic and Waste Management tried for a landfill but withdrew their application when they saw the opposition and the testimony provided.

Christiansen stated that based on the process of selections/approval works and this should remain.

Urbanik stated that if the county wants to change this language in the future it may happen.

Barber stated that the City of Morris turned down the host agreement for Environtech. He stated that no water was purchased for the McKinneys and that the existing agreement stated that they would be protected. He stated that the McKinney's were asked to prove that the landfill contaminated their well and that is impossible. Barber finished that the needs of the people outweigh the potential for revenues and that the language of no new landfills should stay within the document.

Joyce stated that other counties are not trying to negatively impact their residents. Just want options to be open for the future.

Daggett stated that he researched the property tax for the landfill and commercial properties. He stated that the commercial properties exceed the property taxes. Joyce reminded him that the tipping fees assist the county's revenue stream.

Hornsby stated that we are more knowledgeable and that we need to vote.

Miller stated that the motion was to include the language "no new landfills or expansions of landfills". Miller completed a roll call vote: Allen – no, Almer- yes, Barber –yes, Christiansen –no, Daggett – yes, Dippon – no, Hammond – yes, Hornsby – yes, Iverson – yes, Joyce –no, Mckinney Gerald – yes, McKinney – yes, Neff – yes, Rasmussen –yes, and Urbanik – yes. 4 – no votes, 11 – yes votes. Motion passed to include the "no new landfill" to the draft.

Iverson mentioned that on page 13 from to date on including the three bullet points

as that it is opinion and is not factual. Iverson made that motion, Hornsby seconded. Roll call vote: Allen – no, Almer – yes, Barber – yes, Christiansen – no, Daggett – no, Dippon – no, Hammond – no, Hornsby – yes, Iverson – yes, Joyce – no, McKinney G. – yes, McKinney J. – Yes, Neff – no, Urbanik –yes. 7- no, 7 – yes – Motion failed based on a tie vote.

Almer made the motion to send the plan with a positive recommendation from SWUSC to the Environmental Committee as amended, Urbanik seconded. Voice vote motion passed.

Urbanik asked for a follow up on what occurs next. Miller stated that the document needs to be placed on file with the County Board, have a public hearing, Environmental Committee will listen to the public comments and make their recommendation to the County Board, and the County Board will make their final determination. Miller stated that once that occurs that she would provide all of the SWUSC members a copy of the finalized document.

III. Adjournment

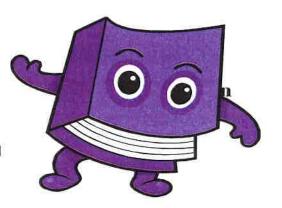
Almer motioned to adjourn, Hornsby seconded. Motion passed. Time 5:30 PM

APPENDIX B: Event Advertisement



Grundy County

Environmental And Resource Conservation Office



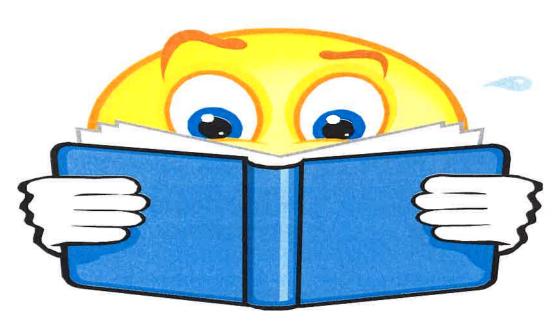
BERNIE'S BOOK BANK Book Drive

WHEN: Friday June 10, 2011; 9:00 AM to Noon

WHERE: Grundy County Chamber Building;

909 N. Liberty St., Morris (815) 942-0113

DONATE: Children's Books in Good Condition



Sponsors:

Bernie's Books—Brian Floriani Grundy Chamber of Commerce—Caroline Portlock Grundy County—ERCO

Phone: 815-941-3229: 815-941-3214; E-mail: hmiller@grundyco.org



Grundy County "E-Waste"

Recycling Event Environtech Landfill 1800 Ashley Road . Morris



FRIDAY - MARCH 14, 2014 (9am-1pm) BUSINESS SATURDAY—MARCH 15, 2014 (9am-1pm)

ELECTRONIC COLLECTION BUSINESS & RESIDENTIAL

- . Monitors
- Laptops
- Televisions
- Printers
- Computers
- · Printers/Fax/Scanners
- . DVD/Stereos/VCR's
- Peripherals
- · Mice/Keyboards
- · PDA/Cellphones
- · MP#/Ipods/etc
- · Phone
- Typewriters
- . Terminals

- Microwaves
- · Christmas Lights

**YOU DO NOT NEED TO BE A GRUNDY COUNTY RESIDENT!!!

OUR NEXT EVENT: Village of Minooka 4/22/14

Sponsors:





Not Accepting: HHW, Construction Debris, Tires, Large Copy Machines, Paint, Batteries



Grundy County HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENT



June 8, 2013—Household Hazardous Waste Grundy County Administration Building 1320 Union, Morris—Parking Lot 8:00 AM to 3:00 PM

Please properly dispose of your unwanted household hazardous wastes by bringing them to the HHW event. At this event you are able to dispose of the following:

- Oil Based Paints Antifreeze Household cleaners
- · Paint thinners · Metal polishers · Herbicides
- Old gasoline Hobby paints and glues Insecticides
- Pool chemicals Cleaning products Drain cleaners
- Aerosol products Cooking oils and grease Automotive oils and filters
- Asphalt/roofing tar Varnish remover and varnish Kerosene
- Car wax Photography chemicals Mercury/Mercury-containing items

PLEASE DO NOT BRING LATEX PAINT. LATEX PAINT IS NOT CONSIDERED HAZARDOUS AND CAN BE DRIED AND DISPOSED OF WITH REGULAR TRASH.

HOUSEHOLD MATERIALS ONLY NO BUSINESSES WILL BE ALLOWED.

The materials need to remain in your vehicles and will be unloaded and disposed of. If you have any questions please contact our office at (815) 941-3229.

Thanks to our Sponsors:
Illinois Environmental Protection Agency–IEPA
Grundy County Board

Grundy County JUNE ENVIRONMENTAL EVENTS



June 7—Shred-X documents

(Grundy County Administration Building 1320 Union, Morris)

June 8—Household Hazardous Waste

(Grundy County Administration Building 1320 Union, Morris)

June 14, 15—Ewaste Event

(Environtech Landfill 1800 Ashley Road, Morris)

Shredding Event—Friday June 7, 2013 Parking Lot of the Grundy County Administration Building—1320 Union Street Morris—10:00 AM-12:00 PM

Two hoxes limited

Household Hazardous Waste Event— Saturday June 8, 2013 Parking lot of the Grundy County Administration Building—1320 Union Street Morris 8:00 AM—3:00 PM

Electronic Waste Event— Friday and Saturday June 14th and 15th from 9:00 AM to 1:00 PM at the Environtech Landfill 1800 Ashley Road

- Monitors
- Laptops
- TV's
- Printers
- Computers
- Printers/Fax/Scanners
- DVD/Stereos/VCR's
- Computer equipment
- Phones (cell /land line)
- PDA/MP3
- Typewriters

White goods accepted:

- Refrigerators/Freezers
- -Ranges/Ovens
- -Microwaves
- -Washers/Dryers
- -Dishwashers
- -Air conditioners

Thanks to our Sponsors:

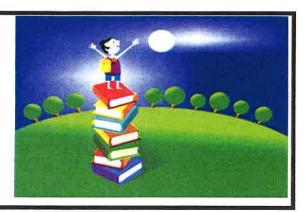






Used Children's Book Drive

Grundy County
Administrative Building
1320 Union Street, Morris
August 6th—October 4, 2013



Please donate used children's books to a needy child to the Bernie's Book Bank through the Grundy County Environmental and Resource Conservation Office!

Why is it great to donate?

Fast Facts from Bernie's Books:

- 61% of low income families do not own ANY childrens books
- If children cannot read proficiently by the 4th grade, 2/3 of those children may have problems financially or with the law.

How soon do the children receive the books?

Bernie's Books can put a children's book into the hands of the children within five days!

Give a child the opportunity to gain the world through a book!!



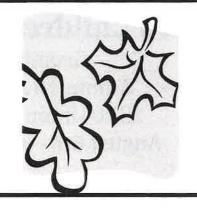
WE THANK YOU GRUNDY COUNTY allowing Reuse in ACTION!!

Sponsors:

Grundy County Board, Grundy County Environmental Committee, Bernie's Book Bank and Land Use Department!
Please call Heidi at (815) 941-3229 if you should have questions.

Environmental and Resource Conservation Office - ERCO www.grundyco.org

Grundy County ERCO



DRAWING FOR FREE COMPOSTER



Sponsors:



Grundy County Board and Environmental Committee Questions call Heidi at (815) 941-3229 or Karen (815) 941-3214 visit www.grundyco.org

Grundy County Free Recycling Day Event

Grundy County
Administrative Building
1320 Union Street, Morris



Grundy County Recycling Day Event Saturday September 14, 2013 9:00 AM to 1:00 PM

Grundy County Administration Building 1320 Union Street, Morris, IL 60450 Call (815) 941-3229 or (815) 941-3214 Saturday, June 23rd ~ 9am—1pm

- · Plastics—Plastic film, Styrofoam, etc
- Metals insulated wire. Household appliances, steel, stainless steel, aluminum, tin, carbide, used machinery, copper
- Eye glasses, hearing aids
- Cell Phones for Soldiers
- Incandescent bulbs
- Sharps/Old Meds (Coroner's Office)
- · Paper (Abitibi bin)
- Alkaline batteries
- · Children's Used Books

First 50—

Free Gift Bag!

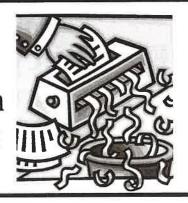
Free Composter Drawing

WE THANK YOU GRUNDY COUNTY FOR RECYCLING!!!

Sponsors:

Grundy County Board, Grundy County Coroner's Office, ERC Chicago; Verdeco, Lion's Club, Bernie's Book Bank, Grundy County EMA, Waste Management

Grundy County Document Shredding Event October 4th, 2013; 10:00AM-Noon Administration Building Parking Lot 1320 Union Street, Morris



Grundy County Residents Only—2 Boxes Limit

- · Save on time of shredding them yourself
 - Save the cost of a shredder
- Recycle 33% of all municipal waste is paper
- Paper is the most recoverable waste product.

Process:

- 1) Paper is dumped into shredding device that is part of a box truck.
- 2) Documents are shredded!
- 3) Shredded paper is weighed and recycled!
- 4) Grundy County residents give back to the earth!



Thank you Grundy County Residents—you are *Earth Savers!*

Sponsors:



Grundy County Board and Environmental Committee Questions call Heidi at (815) 941-3229 or Karen (815) 941-3214 visit www.grundyco.org

Grundy County PAINT COLLECTION EVENT SATURDAY, NOVEMBER 16, 2013 9:00 AM to 1:00 PM



Grundy County Animal Control Facility
Parking lot off Lynn Road

310 East DuPont Road, Morris, IL 60450

Accepting ONLY:

- Oil and Latex Paint—One and five gallon cans
- Aerosol Paint Cans

All paint cans should be:

- No leaking
- Properly Sealed



Please enter into the site by Lynn Road entrance and deposit paint as directed.

We appreciate your Environmental Stewardship in participating in this event.

Thanks to our Sponsor:
Grundy County Board
Green Energy Fund



GRUNDY COUNTY ENVIRONMENTAL AND RESOURCE CONSERVATION OFFICE

New Phone Books IN— Old Phone Books to be RECYCLED

PHONE BOOK RECYCLING EVENT

WHEN: JUNE 14, 2011

9:00 AM to Noon

WHERE: Cardinal Recycling

2600 Beyer Road

Morris, IL (815) 416-1500

DONATE: Phone Books



GRUNDY COUNTY

Sponsors:

Cardinal Recycling—Mike Reinert
Grundy County Environmental and Resource
Conservation Office

Phone: (815) 941-3229

(815) 941-3214

E-mail: hmiller@grundyco.org



Grundy County TIRE RECYCLING EVENT

Environtech Landfill 1800 Ashley Road . Morris



WE ARE PLEASED TO PROVIDE TO GRUNDY COUNTY RESIDENTS

TIRE RECYCLING

MUST SHOW PHOTO ID PROOF OF RESIDENCY

LIMIT: 4 TIRES; no rims

NO COMMERCIAL, AG, OR INDUSTRIAL USERS





THANK YOU GRUNDY COUNTY FOR LOVING YOUR EARTH!



Drop Off Locations:

- Grundy County Administration Building
- Coal City Public Library
- Morris Public Library
- Minooka Three Rivers Library
- White Oak Elementary
- Braceville Elementary





Grundy County Environmental & Resource Conservation Office

Gently Used Toys, Books and DVD Collection

Donate gently used children's metal/plastic toys, books, videos or DVD's.

Only <u>NEW</u> stuffed/plush animals, please!

Donations will be distributed by Rotary International,

Grundy County Health Department, and local groups to needy children for Christmas!

Collection Dates
Nov. 16th—Dec. 14th

Contact 815.941.3214 for more information

Please note: Any toys that have been recalled or damaged, please exclude from this collection.

APPENDIX C: Public Hearing



Simplier, Art Horneby, Frank Barbir

AGENDA PUBLIC HEARING **SEPTEMBER 11, 2014** 5:00 P.M.

١. Call to Order

Public Comment - Art Horneby - urge CB/no other II.

III. Discuss Twenty Year Solid Waste Plan

IV. Adjournment — Art Frank

Frank Barber - de p Well

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PUBLIC SIGN IN SHEET

DATE: 9-11-14	
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September 11, 2014

PUBLIC HEARING FOR THE SOLID WASTE 20 YEAR PLAN SEPTEMBER 11, 2014 5:00 PM COUNTY BOARD ROOM

Present:

Chair Joyce, Art Hornsby, Frank Barber, and Jim Allen.

Staff Present:

Heidi Miller; Director of Land Use Department

I. Call to Order

Chair Dick Joyce called the meeting to order at 5:00 PM

II. Public Comment

Chair Joyce asked the public that was in attendance if there was anyone who would like to speak concerning the 20 year Solid Waste Plan.

Art Hornsby: Hornsby stated that he would like to urge the County Board to adopt the 20 Year Solid Waste Plan as written. He remarked that the language that includes that new expansions of existing landfills or new landfills should be allowed in Grundy

County and felt that the language of the plan specifically stated that.

Chair Joyce asked if there were any other public comments from those in attendance.

There were none.

Chair Joyce closed the public comment portion of the public hearing.

III. Discuss Twenty Year Solid Waste Plan

Chair Joyce stated at this point in the public hearing that we would discuss the highlights of the 20 Year Solid Waste Plan as the audience members were part of the creation of the document that this would be brief.

Miller stated that the Solid Waste Update Plan is necessary for the County and that the County hired Shaw Environmental now CB&I to complete the needs portion of the plan such that it was accurate. Miller stated that with a 14% recycling rate for the County, there needs to be a better approach to recycling by the residents such that that percentage increases.

Miller stated that there is a lot of ways in which we complete outreach to the public when at events such as Earth Day and ewaste events. The Green Guide is handed out to the public.

The biggest issue that the County faces right now besides the increase of the recycling rate is the transfer of Solid Waste from the County to a landfill. As the Environtech landfill will be closed by January 2015, the disposal of waste is a concern voiced in the plan. She summarized the Land Com and Pontiac landfills that are taking our waste. Future disposal of waste such as transfer station or more importantly an alternative waste to energy option being developed in the County is critical at this juncture.

The Solid Waste program includes implementation of the goals into action plan statements such as education in the school, website, green guide, newspaper, radio and passing informational materials/gifts to residents at ewaste events and EARTH Expo. Education for the residents is only when requested by schools, churches or other civic groups.

As the landfill will be closing, the plan also addresses the monitoring of the closing of that landfill.

Miller mentioned that alternative waste to energy has always been in the plan for the County to achieve and as they have had interest recently from a company that has working facilities in the country, it may become a reality.

Miller summarized that the implementation plan will be successful if municipal and other groups assist with this effort. City of Morris, Coal City Schools, and Village of Minooka have been very helpful in the past in this effort. Miller concluded by describing the rest of the plan document such as agendas, minutes, and promotional flyers for the events. Miller stated that the plan will be updated every five year which will help us to determine what goals should remain or what new information should be added. Miller asked if there were any questions. None were made.

Chair Joyce asked if there were any comments or questions. None were made.

Chair Joyce thanked the Solid Waste Update Steering Committee and Miller for all of the work and the document that we currently have. He asked if there was anything else.

Barber asked about a pollution issue for wells. Joyce and Miller stated that there was none that they knew of and that the plan is more for the integration of protecting ground water.

IV. Adjournment

Hornsby motioned, Barber seconded. Motion carried. Public hearing ended at 5:15 PM.

APPENDIX D: Adoption Resolution

RESOLUTION # 6014-105

GRUNDY COUNTY SOLID WASTE MANAGEMENT PLAN: TWENTY YEAR PLAN

WHEREAS, the Grundy County Board adopts by state law a twenty-year County Solid Waste Management Plan to meet county and state goals and requirements for waste reduction and management of municipal waste generated within the County; and

WHEREAS, the State of Illinois requires that every County Solid Waste Management Plan be completely reviewed and updated and rewritten every twenty years; and

WHEREAS, the Plan Update was developed with significant opportunity for public input, including a Solid Waste Update Steering Committee with representatives from unincorporated and incorporated areas of the county, industry, and County Officials; and

WHEREAS, the Plan Update was open to the public for viewing and comment at the Grundy County Administrative Building, and the Grundy County Clerk's Office; and

THEREFORE, BE IT RESOLVED, THAT THE CHAIRMAN OF THE GRUNDY COUNTY BOARD, WITH THE ADVICE AND CONSENT OF THE COUNTY BOARD; HEREBY APPROVE THE TWENTY YEAR SOLID WASTE MANAGEMENT PLAN.

PASSED, ADOPTED AND ENACTED this 14TH DAY OF OCTOBER, 2014

Ron Severson

County Board Chairman

ATTEST:

Lana J. Phillips County Clerk

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