



COUNTY OF KENDALL, ILLINOIS
Health & Environment Committee
County Office Building
County Board Room 210

Monday, November 18, 2019 – 3:00p.m.
MEETING AGENDA

- 1. Call to Order**
- 2. Roll Call:** Judy Gilmour (Chair), Robyn Vickers (Vice Chair), Elizabeth Flowers, Scott Gengler, Tony Giles
- 3. Approval of Agenda**
- 4. Approval of Minutes from October 21, 2019**
- 5. Status Reports**
 - Board of Health
 - Health Department
 - Soil & Water
 - Water Related Groups
 - Other Reports
- 6. Old Business**
- 7. New Business**
- 8. Chairman's Report**
- 9. Public Comment**
- 10. Questions from the Media**
- 11. Action Items for the County Board**
- 12. Executive Session**
- 13. Adjournment**

COUNTY OF KENDALL, ILLINOIS
Health & Environment Committee
Monday, October 21, 2019
Meeting Minutes

CALL TO ORDER

The meeting was called to order by Chair Judy Gilmour at 3:00p.m.

ROLL CALL

Attendee	Status	Arrived	Left Meeting
Judy Gilmour	Here		
Robyn Vickers	Here		
Elizabeth Flowers	ABSENT		
Scott Gengler	Here		
Tony Giles	Here		

OTHERS PRESENT: Jason Andrade, Director, Mental Health Services, KC Health Department, Megan Andrews, Resource Conservationist, Kendall County Soil & Water District; and Dr. Amaal Tokars, Executive Director, Kendall County Health Department

APPROVAL OF AGENDA – Member Giles made a motion to approve the agenda, second by Member Vickers. **With four members present in agreement, the motion carried.**

APPROVAL OF MEETING MINUTES – Member Giles made a motion to approve the meeting minutes from September 16, 2019, second by Member Vickers. **With four members present voting aye, the motion carried.**

STATUS REPORTS

- **Board of Health** – Dr. Tokars reported that the Board of Health reviewed the Solid Waste Plan at their last meeting.
- **Health Department** – Jason Andrade informed the committee about four of their programs that are specialized for the accused, adjudicated and/or victims of violent crimes:
 1. **Domestic Violence Response Team** –a collaboration between the State’s Attorney’s Office, Probation and the KC Health Department to become a certified Partner Abuse Intervention Program Provider, and ensure a smooth transition for victims and offenders to provide services and treatments such as Substance Abuse counseling, Drug Abuse Counseling, Mental Health appointments, etc. By overcoming past barriers to this treatment, both the offender and victim are being served, and the sooner an abuser begins treatment, the safer their victim becomes. The goal was to have facilitators fully trained by the end of September, and then begin defining and collaborating on the referral process and service delivery between departments by the end of this fiscal year.

2. **Thinking for a Change Program** is a 26-week cognitive intervention group designed to teach social skills, problem solving skills and decision-making skills. Probation Officers and Health Department Counselors have been trained, and together will deliver the program to Probation Clients determined by the Probation Office or the Court to be good candidates for this evidence-based program, that has shown to be effective in reducing recidivism with moderate to high-risk clients.
3. **Community Intervention Team** is a collaboration with Oswego Law Enforcement and EMS to meet an individual right where they are, establishing relationships with victims and those dealing with severe mental health, building trust and educating them on resources and treatment available to them in Kendall County.
4. **Partner Abuse Intervention Program** is for people that have been found guilty and plead guilty to being a perpetrator of domestic violence, assisting them in taking responsibility for their actions, and examining their issues of power and control over others, and providing intervention, and instilling responsibility and accountability for their actions within them, and helping them work toward changed behavior.

- **Kendall County Soil and Water District** – Megan Andrews reported that they’ve held their fish and tree sales, and have begun focusing on other projects for the fall and winter months.

Hannah Raver continues work in local grade school classrooms, and is focusing this month on pumpkins and the STEM Program.

- **Water Related Groups** – No report
- **708 Mental Health Board** – No report

OLD BUSINESS – None

NEW BUSINESS

- *Review of the Solid Waste Plan* – Chair Gilmour provided history on the Solid Waste Plan Committee meetings, discussions, and the new Solid Waste Plan for 2020-2025.

Member Gilmour reviewed the committee’s Objectives, which included Administrative, Recycling and Source Reduction, Compost, Waste-to-Energy/Alternative Technologies, Transfer Station, and Landfill.

Dr. Tokars reported that the Board of Health reviewed the Plan at their last meeting, and that the process will be to forward to the County Board, and then to the State of Illinois for final approval.

CHAIRMAN’S REPORT – No report

PUBLIC COMMENT – None

ITEMS FOR COMMITTEE OF THE WHOLE – None

DECEMBER 3, 2019 COUNTY BOARD ACTION ITEMS – *Approval of the 2020-2025 Kendall County Solid Waste Plan*

EXECUTIVE SESSION – Not Needed

ADJOURNMENT – Member Vickers made a motion to adjourn the meeting, second by Member Giles. **With four members present voting aye, the meeting was adjourned at 3:43p.m.**

Respectfully Submitted,

Valarie McClain
Administrative Assistant and Recording Clerk

PRIVATE SEWAGE DISPOSAL SYSTEM CONTRACTOR TOOLBOX 2009:

CONVENTIONAL TANK to GRAVEL or CHAMBER SEEPAGE FIELD

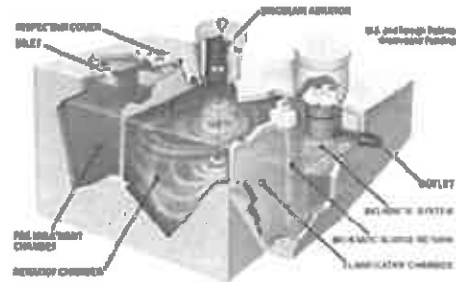
Tried and tested technology, proven to work in many cases. Chamber was easier to install (a whole field could stack in the back of a pickup truck).



Maintenance!

AEROBIC TANK TO GRAVEL/CHAMBER FIELD

This tank is used to get around some limiting lot characteristics (lack of space) or to use in tandem with more advanced final disposal methods. This tank added several thousand dollars to project and required twice a year maintenance.



Maintenance, more complicated!

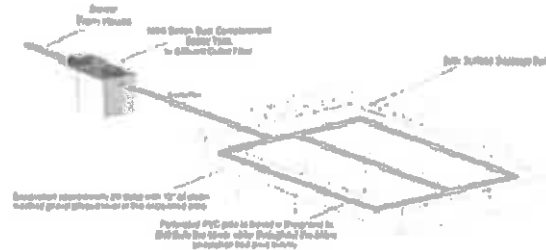
AEROBIC TANK TO A RAISED FILTER BED

This was the first option ('03) to get around limited soil characteristics. Required an aerobic tank with the ability to time dose effluent into the 4-5' raised bed. These systems were the most expensive!



CONVENTIONAL TANK TO SEEPAGE BED

Older technology, similar to conventional field. Few installed and likely less effective.



Maintenance!

AEROBIC TANK TO SURFACE DISCHARGE

Last option when all others didn't work. Without NPDES permit from EPA, this system was in violation of the Clean Water Act. County moratorium in 2006 to require NPDES before state code made it a requirement. Cheapest and easiest to install.



Systems were designed based on limited options available. Little attention paid to limiting soil layers in the ground. Few options available to work around limiting characteristics. Estimated costs from several thousand dollars up to \$20,000. Most other states were ahead of IL in terms of systems allowed and more comprehensive design requirements that ensured smarter design and installation.

PRIVATE SEWAGE DISPOSAL SYSTEM CONTRACTOR TOOLBOX 2019:

CONVENTIONAL TANK to GRAVEL or CHAMBER SEEPAGE FIELD

AEROBIC TANK TO GRAVEL/CHAMBER FIELD

AEROBIC TANK TO A RAISED FILTER BED

AEROBIC TANK TO SURFACE DISCHARGE - *NPDES PERMIT REQUIRED!!*

Maintenance!

ATL (Advanced Treatment Leachfield) (~\$15,000-25,000) preceded by a standard tank in conjunction with a dosing tank to a Basal area (massive sand box). This system allows for a 1 foot reduction to a water table. Effluent filters must be used and cleaned often to avoid potential backup. The height of the finished system is 2-3 feet.



Maintenance!

COCO FILTER (OPEN BOTTOM)

Open bottom units use conventional tanks with a dosing units which is pumped to the coco filter on top of a gravel pad. The primary treatment comes in the septic tank, and the effluent is filtered through coconut husks for secondary treatment before leaching into the gravel pad. The footprint is similar to a IRFB.



Maintenance!

Coco Filter Closed Bottom application

This system again uses conventional tank before the coco filter tank filled with coconut husks. The effluent is captured at the bottom of the filter unit and pumped into a perforated piping system in a gravel pad. This system has a much smaller footprint than the open bottom application.



Maintenance, more complicated!

NSF 350 Unit (Bio Barrier)

This system utilizes a high quality effluent treatment unit/filter to obtain a very clean effluent. Using it eliminates required setbacks to a water table and allows for an extremely small leachfield (as little as 9-10 linear feet of chamber has been needed), drastically shrinking the footprint of the septic area. This system requires a great deal of maintenance; filter units are easily clogged. These systems are extremely expensive at 25-35K and routine filter replacement every few years can cost roughly 8-10K.

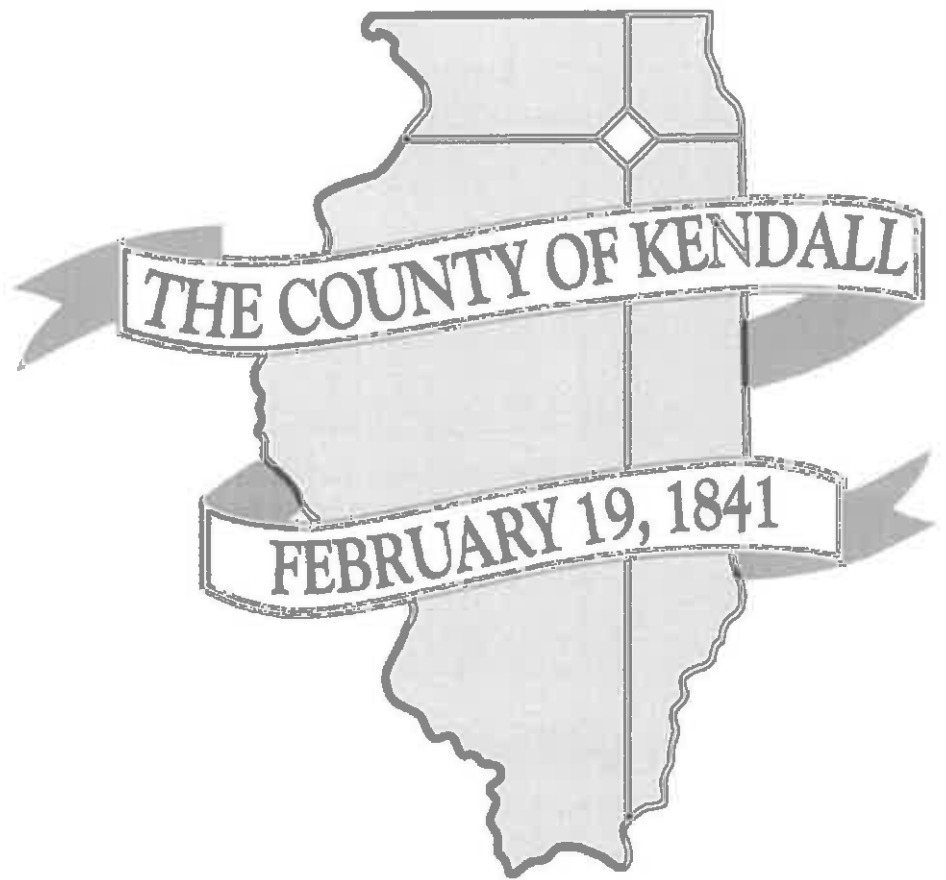
Maintenance, more complicated!

LPP (Low Pressure Piping) (~\$15,000-\$20,000)- Utilizes a standard tank and a dosing tank. The piping system can either be through EZ Flow lines or a perforated pipe through chambers. This system allows for a 1 foot reduction to a water table. Permit reviews are extensive due to special LPP worksheet with many calculations.



WHAT CHANGED?

- **CODE CHANGE:** In 2013, the State sewage code changed requiring that designs take into consideration more than just estimated gallons per day and percolation. Now they needed to maintain vertical separation distances to limiting layers (saturated zones, impermeable layers).
- **# OF SYSTEMS TYPES INCREASED:** State of Illinois # of system types in the “toolbox” increased including many new systems...from 4-5 to at least 9. The State also allows for additional innovative, performance based alternative designs to be proposed on a lot by lot basis. These designs must be reviewed and accepted at the state level before permit approval. This increases the time required for permit review and opens.
- **MORE DETAILED REVIEWS AND CORRESPONDENCE:** Permit application packets generally took about 20 minutes to review in 2009 due to straight forward calculations and low variety of proposed designs. Today, review time is longer as proposed systems are very often the newer alternative variety and those require more intense calculations/worksheets. If designs deficient, EH staff send non-approval letters to contractors/owners to ensure that all code/ ordinance requirements and deficiencies are clearly stated and everyone is aware of steps to take in order to ensure approval. If revisions are needed it can take several days for new designs to be resubmitted and additional time for a second review.
- **INCREASED SYSTEM COSTS:** Whereas most systems in the 2000's cost ~\$10,000 or less, we very often now see alternative systems costing upwards of \$15,000-\$30,000 due to additional mechanical components and the costs associated with extra material to be brought in. Required amount of maintenance increased as well.
- **HARDER TO SURFACE DISCHARGE:** Surface discharging is discouraged and must adhere to EPA National Pollutant Discharge Elimination System requirements.
- **SMARTER DESIGNS:** More care goes into designing a system today. New system designs address physical challenges present and are designed to work around them. This allow for more effective sewage treatment and disposal along with longer system lifespan. The state sewage code changes have brought Illinois in line with most of the rest of the country.



KENDALL COUNTY
HEALTH DEPARTMENT

KENDALL COUNTY
2020-2025 SOLID WASTE PLAN UPDATE

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KENDALL COUNTY SOLID WASTE PLAN EXECUTIVE SUMMARY

2020-2025 UPDATE

Kendall County has been performing solid waste management planning since it was first required by statute and through the Illinois Environmental Protection Agency in the early 1990's. The original Kendall County Solid Waste Plan (hereafter referred to as the Plan) was completed in 1995 by the County and with the assistance of Morris Engineering. Morris Engineering was supported by a Citizens Advisory Committee that aided in the development of recommendations for implementing the Plan, which has since been updated on a five-year cycle with updates completed in 2000, 2005, 2010 and 2015.

This update was accomplished by an advisory committee, referred to as the Solid Waste Plan Advisory Committee, appointed by the Kendall County Board. This Committee met to review and informally approve the recommendations included within the Plan. The Committee met six times beginning in February 2019 and completing the Solid Waste Plan Objectives in November 2019. The plan was then reviewed by the Kendall County Board of Health before being adopted by the Kendall County Board and submitted to the Illinois Environmental Protection Agency, by March 2020.

Local solid waste data is included here to provide context for this report. This data was used to provide Solid Waste Plan Advisory Committee members with the knowledge necessary to create meaningful recommendations.

In 2018, a total of 45,907 tons of waste was reported to have been collected in Kendall County. This is the lowest number reported since 2002. Using a United States Environmental Protection Agency estimate that a person generates an average of 4.5 pounds of waste every day and that there are approximately 123,000 people in Kendall County, we would estimate the total to be closer to 100,000 tons annually, much higher than the reported figure. The difference is likely due to the inability to collect all waste data from non-licensed commercial, and construction and demolition waste haulers. Ensuring the accuracy of this data has been a challenge we are continuing to address.

The most recent data collected identified residential activities as generating 56% of the municipal solid waste while commercial created 41%. The remaining waste generation was from construction and demolition, which was less than a 0.5%. The construction and demolition waste generated was a growing category in the previous decades due to rapid growth in our county, but it has decreased recently due to a slowdown of construction activities. As stated earlier, the lack of data creates errors within the waste generation categories, but is still relatively consistent with nearby county breakdowns.

The municipal solid waste generated is collected by numerous waste collection companies with four to five different companies handling over 75% of the total collection. This waste is either directly hauled to out-of-county landfills or is directed to transfer stations, one of which is located within Kendall County.

The County's recyclables are directed to out-of-county recycling facilities. An Illinois Environmental Protection Agency -permitted compost facility operates within the county accepting yard waste from both in-county and out-of-county sources.

The average recycling rate was between 27% and 30% for the past five years, consistent with the ten-year average. The municipal solid waste trends in the county reveal a stabilization of waste generation residentially and countywide.

The 2020 Kendall County Solid Waste Plan Update provides recommended objectives for the County Board to approve and the Health Department to implement. Objectives are designed to encourage the minimization of waste generated utilizing different strategies such as source reduction and recycling. Other objectives address evaluating final disposal methods for wastes, while others outline tasks focusing on monitoring legislation related to solid waste at the state level.

The objectives here primarily fall into the same categories as previous versions of the Kendall County Solid Waste Plan, namely Administration, Recycling and Source Reduction, Compost, Waste-to-Energy/Alternative Technologies, Transfer Stations and Landfills.

Administrative objectives address methods to incorporate Solid Waste Plan tasks into management systems within the Kendall County Health Department. Recycling and Source Reduction objectives address methods to educate residents and businesses in Kendall County. These objectives identify target audiences and messages that need to be communicated to best support the intent of the Solid Waste Plan. Compost recommendations focus on education, legislation, and fostering a cooperative and collegial relationship with composters in Kendall County, including Illinois Environmental Protection Agency -permitted facilities.

Transfer Station objectives address host benefit agreement requirements with the Kendall County Board, whether the proposed site is located within corporate boundaries or not.

Waste-to-Energy /Alternative Technology objectives include reviews of legislation relating to these systems, tracking ambient air quality standards, educating residents, elected officials and other county leaders on the pros and cons of these current and emerging methods of waste disposal. Waste-to-Energy / Alternative Technologies utilized for waste disposal may be considered for Kendall County. Waste-to-Energy /Alternative Technology objectives address host benefit agreement requirements with the Kendall County Board whether the proposed site is located within corporate boundaries or not.

The final section of objectives addresses landfills, which is the least desirable strategy of the Illinois Environmental Protection Agency hierarchy of municipal solid waste management. The Kendall County Solid Waste Plan recommends not allowing the siting of landfills within Kendall County for the next 5 years. There is currently ample landfill space in our surrounding region, available for use.

These objectives are a result of meaningful, thoughtful discussion held over the course of six planning meetings attended by an advisory committee comprised of representatives from Kendall County Townships, elected officials, county/municipal staff, and members at large from the community. The meetings were facilitated by the Kendall County Health Department and led by representation from the Kendall County Board. The approved Solid Waste Plan objectives ultimately will be implemented by the Kendall County Health Department's Environmental Health Services Division.

GENERAL INFORMATION

Local Government: Kendall County

Contact person: Aaron Rybski, Kendall County Health Department Environmental Health Services
Director

Marlin Hartman, Kendall County Health Department Solid Waste Coordinator

Address: Kendall County Health Department
811 W. John St.
Yorkville, IL, 60560

Telephone: (630) 553-9100

Plan Adoption Date: May 1995

Re-Adoption Date: July 2000

Re-Adoption Date: February 2005

Re-Adoption Date: February 2010

Re-Adoption Date: October 2015

Re-Adoption Date 2019

Plan Update Due: March 2025

NEEDS ASSESSMENT INFORMATION

The following Kendall County municipal solid waste figures have been generated based on a combination of Illinois Environmental Protection Agency estimates and hauler supplied data.

a.	Municipal Solid Waste generated per year (estimate)	101,000 tons
b.	Municipal Solid Waste generation rate	4.50 pounds/capita/day
c.	Municipal Solid Waste recycled/composted per year	19,240 tons
c.	Municipal Solid Waste incinerated per year	0 tons
e.	Municipal Solid Waste landfilled per year	81,760 tons

Municipal Solid Waste tonnage estimates were calculated by multiplying the Illinois Environmental Protection Agency estimate of 4.5 lbs./person/day with a Kendall County total population of 123,000 (US Census Bureau, 2019). Recycling and compost tonnage was extrapolated by multiplying percentage of recycled and composted wastes by the total estimated municipal solid waste generated per year (2018 Kendall County Solid Waste Hauler Permit Application data).

2020-2025 SOLID WASTE PLAN OBJECTIVES AND IMPLEMENTATION SCHEDULE

■ ADMINISTRATIVE OBJECTIVES

- A. Integrate solid waste legislation monitoring into the Kendall County Health Department legislative/policy work.

Schedule: December 2020

- B. Integrate goals from Solid Waste Plan into Kendall County Health Department Strategic Plan.

Schedule: December 2020

■ RECYCLING AND SOURCE REDUCTION OBJECTIVES

- A. Offer to educate and promote recycling and source reduction within Kendall County, county departments and government/public entities.

- B. Interact with local schools, clubs, senior groups, and community groups in Kendall County on ways in which to promote and practice recycling and source reduction.

Schedule: Annually, interact with the Kendall County Community via groups such as those referenced above, in an effort to promote and practice recycling and source reduction.

- C. Using social/mainstream media, including the Kendall County Green Page, to incorporate information on source reduction, recycling and other actions to aid proper waste management.

Schedule: Annually review and if necessary, update the Kendall County Green Page web page to include the most up to date information available; ensure link to this web page is provided on the Kendall County Health Department and the Kendall County websites; ensure web page link is referenced and embedded within the Kendall County Health Department Community Resource Directory and promote the existence of this page on social media.

- D. Identify and communicate methods by which to practice safe and proper disposal of residential Household Hazardous Wastes, pharmaceutical waste, sharps, and e-waste.

Schedule: Annually review and provide this information.

- E. Encourage waste haulers to provide greater clarity regarding evolving recycling processes to their customers.

Schedule: Annually, verify the educational information provided by the haulers to Kendall County residents. Discuss with haulers as needed to encourage greater clarity.

- F. Recognize businesses within Kendall County who practice innovative waste reduction and recycling.

Schedule: Work to recognize local businesses for implementing innovative and effective waste reduction and/or recycling practices by 2025.

- G. Interact with municipalities, villages, and townships within Kendall County on financial benefits and best practices in managing municipal solid waste and data sharing.

Schedule: Twice during the next five years, each Village or Municipality should be contacted by the Kendall County Health Department to discuss municipal solid waste practices and financial benefits.

■ **COMPOST OBJECTIVES**

- A. Strive to be informed on the latest compost practice applications while fostering cooperative and collegial relationships with commercial composting operations.

Schedule: Efforts will be ongoing.

- B. Community education and outreach may include residential, commercial, rural, urban, operational, or end-use aspects of composting.

Schedule: Efforts will be ongoing.

■ **WASTE-TO-ENERGY/ALTERNATIVE TECHNOLOGIES OBJECTIVES**

- A. Maintain awareness of state/federal regulations relating to Waste-to-Energy and Alternative Technologies

Schedule: Routinely track and examine legislation addressing waste-to-energy and other alternative technologies intended to manage solid wastes

- B. Monitoring status of United States Environmental Protection Agency clean air attainment and non-attainment designation for townships relating to Waste-to-Energy siting.

Schedule: Confirm annually and remain informed on the status of Kendall County townships as related to the National Ambient Air Quality Standards.

- C. Continue to identify and examine alternative technologies and offer to educate the public and county leaders regarding these technologies.

Schedule: Remain informed on both the successes and challenges presented by established Waste-to-Energy and Alternative Technology-based solid waste management operations at the global and national levels.

- D. All Alternative Technology and Waste to Energy municipal solid waste facilities in Kendall County must enter into a Host Community Benefit Agreement with the siting authority in the host community and with the Kendall County Board.

Schedule: 2020-2025

■ **TRANSFER STATION OBJECTIVES**

- A. All Transfer Stations in Kendall County must enter into Host Community Benefit Agreement with the siting authority in the host community and with the Kendall County Board

Schedule: 2020-2025

■ **LANDFILL OBJECTIVE**

- A. No new or expanded landfills in Kendall County.

Schedule: 2020-2025

RECYCLING PROGRAM STATUS

- A. Has the program been implemented throughout Kendall County?
Yes
- B. Has the recycling coordinator been designated to administer this program?
Yes, Since 1994
- C. Does the program provide for separate collection and composting of leaves?
Not in the unincorporated areas of Kendall County
- 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 penalty?
Yes, the licensing requirement does include fines to haulers, which do not meet the ordinance requirements.
- 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 government.
1. Recycling the collected materials
Yes
 2. Identifying potential markets for at least three materials
No, the residential ordinance requires the haulers to accept recyclable items. It is expected for them to identify markets for recyclables collected.
 3. Promoting the use of products made from recovered or recycled materials among businesses, newspapers, and local governments?
Yes
- G. Provide any other pertinent details on the recycling program.
E-Waste collection sites are available within the county and HHW collection is available within 30 miles and in some municipalities.

APPENDICES

APPENDIX A – 2020-2025 SOLID WASTE PLAN UPDATE OBJECTIVES



■ ADMINISTRATION OBJECTIVES

- Integrate solid waste legislation monitoring into the *Kendall County Health Department Legislative/Policy Agenda*.
- Integrate goals from Solid Waste Plan into the *Kendall County Health Department Strategic Plan*.

■ RECYCLING & SOURCE REDUCTION OBJECTIVES

- Offer to educate and promote recycling and source reduction within Kendall County, county departments and government/public entities.
- Interact with local schools, clubs, senior groups, and community groups in Kendall County on ways in which to promote and practice recycling and source reduction.
- Use social/mainstream media, including the Kendall County Green Pages, to disseminate information on source reduction, recycling and other actions to aid proper waste management.
- Identify and communicate methods by which to practice safe and proper disposal of residential Household Hazardous Wastes (HHW), pharmaceutical waste, sharps, and e-waste.
- Encourage waste haulers to provide to their customers greater clarity on evolving recycling processes.
- Recognize businesses within Kendall County practicing innovative waste reduction and recycling.
- Interact with municipalities, villages, and townships within Kendall County on financial benefits and best practices in managing municipal solid waste and data sharing.

■ COMPOST OBJECTIVES

- Strive to be informed on the latest compost practices and applications while fostering cooperative and collegial relationships with commercial composting operations.
- Community education and outreach may include residential, commercial, rural, urban, operational, or end-use aspects of composting.

■ WASTE-TO-ENERGY/ALTERNATIVE TECHNOLOGIES OBJECTIVES

- Maintain awareness of state/federal regulations relating to Waste-to-Energy and Alternative Technologies.
- Monitoring the status of United States Environmental Protection Agency's clean air attainment and non-attainment designations for townships.
- Identify and examine alternative technologies, and offer to educate the public and county leaders on these technologies.
- All Alternative Technology and Waste-to-Energy solid waste management facilities in Kendall County must enter into a Host Community Benefit Agreement with the siting authority in the host community and with the Kendall County Board.

■ TRANSFER STATIONS OBJECTIVES

- All Transfer Stations in Kendall County must enter into a Host Community Benefit Agreement with the siting authority in the host community and with the Kendall County Board

■ LANDFILL OBJECTIVES

- No new or expanded landfills in Kendall County

APPENDIX B - TRANSCRIPT FOR 2020-2025 SOLID WASTE PLAN 10/07/14 PUBLIC HEARING
Will need updated minutes from 2019 hearing

SOLID WASTE PLAN PUBLIC HEARING
October 7, 2014

STATE OF ILLINOIS)
) SS
COUNTY OF KENDALL)

The Solid Waste Plan Public Hearing was held in the Kendall County Board Room, 111 W Fox St, in the City of Yorkville IL on Tuesday, October 7, 2014 at 6:00 p.m. The Clerk called the roll. Members present: Chairman John Shaw, Amy Cesich, Lynn Culick, Elizabeth Flowers, Judy Gilmour, Scott Gryder, Dan Koukol, Matthew Prochaska, John Purocell and Jeff Wehrli.

In attendance: Sharon Bond, JoAnn Gilbert, Marcia Ludekowski, Marlin Hartman, Jim LaPorta, Stan Luchwowski, Jennine Kristianson, Jeff Rugg, Neil Kristianson, Bev Anderson, Cheryl Wallin, Don Anderson, Mike Wallin, Barb Olson, Ken Olson, Jim Friedrich, Todd Milron and Steve Curatti.

County Administrator, Jeff Wilkins read part of the Solid Waste Planning and Recycling Act 415 ILCS 15/5C which states prior to the adoption by the governing body of the county, the county shall submit copies of the proposed plan for review and comment to the Agency, all municipalities within the county, all areawide planning agencies and the county health departments. The county shall also make the proposed plan available for public review and comment. The period for review and comment shall be 90 days. The county shall hold at least one public hearing on the proposed plan during this period. The plan subsequently submitted to the governing body of the county for adoption shall be accompanied by a document containing written responses to substantive comments made during the comment period.

AGENDA

Member Culick moved to approve the agenda. Member Koukol seconded the motion. Chairman Shaw asked for a voice vote on the motion. All members present voting aye. Motion carried.

THE MINUTES

Member Wehrli moved to approve the minutes from the February 4, 2010 meeting. Member Purocell seconded the motion. Chairman Shaw asked for a roll call vote on the motion. All members present voting aye. Motion carried.

SOLID WASTE PRESENTATION

Marlin Hartman, Kendall County Solid Waste Coordinator stated that he has been involved in every Solid Waste Plan since the first one in 1985. Mr. Hartman thanked the members of the committee and said that they started doing the planning in May of 2013 with 8 committee meetings over the 18 month period. They used the meetings to educate the committee, allow them to come back and ask questions on why are the solid waste practices going on and what practices are going on in the nation, Illinois and in our region. Mr. Hartman presented the Solid Waste Plan Five Year Update as outlined.

Presentation Outline

- History of Solid Waste Plan
- Requirements of Solid Waste Plan
- Regional Changes in Solid Waste
- Changes in Solid Waste Management Practices
- 2015 Solid Waste Plan Recommendations

Solid Waste Management Act

- Enacted in 1986
- Requires all Illinois Counties to prepare a Plan for managing Solid Waste within the county
- The "Solid Waste Planning and Recycling Act" requires updates to the Solid Waste Plan be completed every 5 years

Solid Waste Management Plan Purpose

- In early 1980's it was assumed landfill space would decrease in Illinois
 - Stronger landfill requirements imposed by IEPA (Subtitle D)
 - More difficult to site
- IEPA wanted all counties to understand and evaluate option to managing solid waste

Solid Waste Management Plan Critical Element

- Allows county, or other governmental agency with an "Approved" Solid Waste Plan, Authority to site Pollution Control Facility consistent with the Solid Waste Plan

- This consistency is required within the Criteria Evaluation within Senate Bill 172 (#8) (PCF siting process)
- Solid Waste Management Plan Requires**
 - Evaluation in these areas specific per county including implementation schedule to divert wastes from final disposal
 - Waste Reduction
 - Recycling
 - Incineration (no includes Alternative Technology)
 - Landfill

Evaluation Areas in a Hierarchy

Waste Reduction

- Least environmental impact (++)EI)
- Least Costly
- Consumer Involvement and Producer Responsibility

Recycling

- Costs for collection and processing
- Saves Natural Resources (+EI)
- High consumer involvement

Incineration/Alternative Technologies

- Destruction of garbage by burning/gasification
- Ash disposal & Potential Air Pollutants (-EI)
- Can produce energy, electricity through fuels (+EI)

Landfill

- Most Environmental Impact
- Stays in ground for a long time (EI)
- Potential Groundwater Pollutants (-EI)
- Air Pollutants, Green House Gases (-EI)

Kendall County Solid Waste Plan

- Accepted in May 1995 by County Board
- Written by Morris Engineering within a committee structure called the Kendall County Environmental Task Force
- Created 87 recommendations for Kendall County to implement to accomplish the State Goal of a 25% Recycling Rate

Updates since the 1995 Plan

- 2001 July
- 2005 February
- 2008 March (Amendment – Ordinance)
- 2009 May (Amendment – Ordinance)
- 2010 March

2012 Data US Solid Waste

- 1908 Landfills in US
 - 40% South
 - 30% West
 - 22% Midwest
 - 8% Northeast
- 86 WTE in 25 States
- 2012 US Recycling Rate 34.5%
- 250 million tons generate per year
- Residential waste is 66%-85%

Illinois Data (2013 IEPA Report)

- 42 Landfills, one opened in 2013
- 2013 Disposal Rate equates to 21 years of landfill space for Illinois
- Landcomp (LaSalle) – Ottawa 2056
- Prairieview (Willi) – Wilmington 2027 (Jones/Painfield)
- Orchard Hills (Ogle) – 2028
- Dekalb (Dekalb) – 2020 (Expansion in progress)
- Envirotech (Grundy) - 2018

Kendall 2012 Waste Statistics

- 64,000 tons generated
 - 24% Residentially generated
 - 17% Construction and Demolition

- 59% Commercially generated
- 29.88% County Recycling/Diversion Rate
- 81,000 tons generated in 2009
- 2009 26th County Recycling/Diversion Rate
- Data supplied by haulers and recyclers

Changes in Solid Waste Management in past 6-years

- Recycling is an accepted daily practice
- Separation technology in recycling (single stream)
- Energy costs
- Alternative technologies (spurred by cost of oil)
- Waste viewed as resource
- Sustainability

Changes in Solid Waste Management

- E-waste addressed by IEPA (2012 ban)
- Medical waste addressed by IEPA
- Foodwaste allowed to be composted (2010)
- IEPA Delegation Agreement funding cut by state due to state budget shortfall (2009)
- HHW funding discontinued in state due to state budget shortfalls (2009)
- Tire Recycling funding discontinued due to state budget shortfall (2009)
- All the 2009 cuts have been refunded through state but not all back to pre 2009 levels

A Good Solid Waste Management System Requires Specific Elements

- Education
- Systems
 - Provided by Private Industry
 - Collection
 - Processing
 - Market
 - Identified waste streams
- Accessibility/User Friendly for End User

2015 Solid Waste Plan Recommendations

2015 Administrative Recommendations (2)

- Integrate solid waste legislation monitoring into the KCHD legislative/policy work
- Integrate goals from Solid Waste Plan in KCHS strategic plan

2015 Source Reduction and Recycling Recommendations (7)

- Offer to Educate and Promote recycling and source reduction within Kendall County
- Interact with local schools, clubs, senior groups and community groups to promote and practice recycling and source reduction
- Using social/mainstream media, including KC Green Pages, to incorporate information on source reduction, recycling and other actions to aid proper waste management
- Identify and communicate methods by which to practice safe and proper disposal of residential household hazardous waste (HHW)
- Communicate with waste haulers to address recycling concerns and possible waste hauler action that would improve collections
- Recognize businesses within KC who practice innovative waste reduction and recycling
- Interact with municipalities and villages within KC on financial benefits and best practices in managing solid waste

2015 Compost Recommendations (2)

- Offer to educate community, strive to be informed and knowledgeable on the latest composting processes and practices; foster cooperative relationships with commercial composting operations and support legislation to improve compost and yard waste land application regulations
- Routinely monitor legislation addressing compost and yard waste land application regulations

Waste-to-Energy/Alternative Technologies Recommendations (4)

- Identify state / federal regulations relating to Waste-to-Energy and Alternative Technologies
- Identify status of USEPA clean air attainment and non-attainment designation for KC townships relating to waste-to-energy siting
- Continue to identify and examine alternative technologies and offer to educate the public and county leaders regarding these technologies
- No new Waste-to-Energy or Alternative Technology Facilities as defined by IEPA as a Pollution Control Facility (PCF) for handling municipal solid waste (MSW) in KC

2016 Transfer Station Recommendations (2)

- Development of private sector MSW Transfer Facilities are allowable in Kendall County
- Transfer Station Host Community Benefit Agreement
 - All Transfer Stations in KC must enter into Host Community Benefit Agreement with the siting authority and with the Kendall County Board
 - Each Host Community Benefit Agreement may give considerations for facilities that include materials recovery

2016 Landfill Recommendations (1)

- No new or expanded landfills in KC

Kendall Solid Waste Philosophy

Create and implement a Solid Waste Plan which drives responsibility to the individual level. Both resident and business will need to implement actions that are related to solid waste recycling or solid waste minimization.

These repeated environmental actions will lead to an attitude of positive environmental values.

Summary

Due to Present MSW practices in Kendall, the region and in Illinois the Kendall County Solid Waste Plan as presented for the 2016 Update is compliant with state statutes and does protect the Health, Safety and Welfare of Kendall County Residents and the Environment.

PUBLIC COMMENT

Chairman Shaw asked that the comments be limited to 5 minutes, there will be an opportunity to address the board by email or by a letter within the 90 day period.

Todd Miliron, Yorkville, stated that Mr. Hartman mentioned the Health Department Management System, one of the things we are not doing are IEPA permits for our county that are issued the IEPA at the state level. Mr. Miliron stated that he advocated for the alternative waste disposal component, where the new technologies were going to be taken into consideration. That component of the Solid Waste Plan was removed.

Sharon Bond, Yorkville, said that she implores the board members voted in by the residents of Kendall County to represent what Kendall County resident's desire. Vote yes to accept the present waste plan. Through the landfill hearings and the overwhelming numbers of people rising up against them, she believes it tells the board what they do not want. Kendall County does not have access to Lake Michigan water; this is a key reason to oppose. Ms. Bond stated that leaking liners are just a matter of time. Ms. Bond talked about recycling in the county.

Stan Ludwowski stated that he served on the Kendall County Solid Waste Planning Committee. The committee was comprised of a good cross section of Kendall County- municipal and township representatives, Health Department representatives, as well as Kendall County residents. The committee met and diligently evaluated the waste requirements for Kendall County and balanced it with the county's responsibility of waste generation as well as the long term effects on the county. The plan clearly represents the feelings of the county residents. Mr. Ludwowski urged the board to approve the Solid Waste Plan as presented.

Jim Friedrich, committee member, does not feel that the committee took the position of just saying no. Mr. Friedrich stated that they were saying not now; they do not feel that the technologies and the infrastructure are in place to allow for the county to deal with waste in a safe and convenient way. The plan is a 5 year plan which can be revisited and revised any time within the 5 years. Mr. Friedrich stated that they did the best job for Kendall County, other counties may do it differently according to what they feel is best for their county.

Yvonne Harris, Millbrook, stated that she is opposed to revisiting a proposal that has been worked by the committee when a result has been reached; it is a short term plan. Ms. Harris said that we should be working harder to teach recycling.

Tom Gilmour stated that the committee is very knowledgeable and feels that they did a very good job. He thanked the committee.

Jim Friedrich stated that they did discuss putting in the option of having enterprise come in and put in criteria that can be done in the beginning of the process of what they want to see in the landfill/incineration sites. They felt that the criteria that they would put in was so strict as to not make it at all possible for someone to come in and legitimately make a solid business practice. They felt that that would be disingenuous; why put in criteria that would not allow people to have any hope of having a profitable business.

Chairman Shaw closed the public comment.

COUNTY BOARD COMMENT

Member Purcell stated the question – we cannot vote on this for 90 days? It could not be voted on until after 90 days.

Member Prochaska had no comment or questions.

Member Gilmour said that she was impressed with the caliber of the solid waste committee members and the level of dedication that they brought to the task. Ms. Gilmour thanked them for their service to the county. Ms. Gilmour also commended the staff at the Health Department who helped the committee.

Member Gryder thanked Mr. Hartman for his presentation and the committee for all of their hard work.

Member Cesich thanked Mr. Hartman for his presentation and for addressing the questions. Ms. Cesich stated that it is a good plan.

Member Flowers had no questions or comments.

Member Koukol thanked the committee and stated that he went to composting meeting where he saw the committee work so hard together. Mr. Koukol commended them for their work.

Member Cullick had no questions or comments.

Member Wehrli stated that he sat in on the hearings and learned a lot about geology and hydrogeology. He appreciates the delicacy of our environment and what we can do to it if we make bad decisions. The group spent a lot of time and effort; he would highly recommend that they approve it.

Dr. Amaal Tokars mentioned that in the plan there is significant emphasis on working and engaging with the community and education. It is a very non evasive plan.

ADJOURNMENT

Member Flowers moved to adjourn the Kendall County Solid Waste Plan Public Hearing. Member Koukol seconded the motion. Chairman Shaw asked for a roll call vote on the motion. All members present voting aye. Motion carried.

Submitted by,

Debbie Gillette
Kendall County Clerk

**APPENDIX C – 2020-2025 SOLID WASTE PLAN LETTER OF ENDORSEMENT FROM THE
KENDALL COUNTY BOARD & BOARD OF HEALTH**



**COUNTY OF KENDALL
&
KENDALL COUNTY HEALTH DEPARTMENT**



**KENDALL COUNTY SOLID WASTE PLAN
STATEMENT OF ENDORSEMENT**

This statement represents endorsement of the Kendall County 2020-2025 Solid Waste Plan. The Solid Waste Plan Committee, The Kendall County Health Department Board of Health, and the Kendall County Board provided representation and input throughout the development of the Solid Waste Plan. The Solid Waste Plan Committee and the Kendall County Solid Waste Plan were borne out of cooperative collaboration between the Kendall County Board of Health and the Kendall County Board. On _____, the Kendall County Board approved the Kendall County 2020-2025 Solid Waste Plan.

Ms. Judy Gilmour, Solid Waste Plan Committee Chair

Date

Dr. John O. Palmer, Kendall County Health Department
Board of Health President

Date

Mr. Scott Gryder, Kendall County Board Chair

Date

APPENDIX D - STRUCTURE OF 2020-2025 SOLID WASTE PLAN COMMITTEE

Kendall County Solid Waste Plan Committee

The Solid Waste Plan update process included a committee structure with representatives invited from all Kendall County villages and municipalities, as well as other parts of county government and members of the public-at-large.

- County Board Chair
- County Board Health and Environment Committee Chair (*-serving as Chair of the Solid Waste Plan Committee*)
- One representative from the Board of Health
- One representative from Environmental Health Advisory Board
- Two members from the public-at-large (*chosen by County Board Chair/ Designee*)
- One representative from each of the following was invited:

City of Plano
 Village Oswego
 United City of Yorkville
 Village of Lisbon
 Village of Newark
 Village of Millington

Village of Millbrook
 Village of Montgomery
 Fox Township
 Lisbon Township
 Kendall Township
 Bristol Township

Little Rock Township
 Seward Township
 Big Grove Township
 Na-Au-Say Township
 Oswego Township

COMMITTEE MEMBER	REPRESENTING
John Church	Kendall County Health Department Environmental Health Advisory Board Member
Thomas P. Fleming	Seward Township
Cliff Fox	Village of Newark
Judy Gilmour	Kendall County Board Member & Solid Waste Plan Committee Chair
Scott Gryder	Kendall County Board Chair
Bob Hausler	City of Plano
Jennifer Hughes	Village of Oswego
Scott Koeppel	Kendall County Administrator
Stan Ludwikowski	Kendall County Resident
Todd Milliron	Kendall County Resident
Diane Selmer	Oswego Township
Erin Willrett	United City of Yorkville
KENDALL COUNTY HEALTH DEPARTMENT STAFF	
Dr. Amaal Tokars	Executive Director/Public Health Administrator
Marlin Hartman	Solid Waste Coordinator
Steve Curatti	Program Administrator
Aaron Rybski	Environmental Health Services Director
Becki Rudolph	Executive Assistant

APPENDIX E – 2019 MEETING SCHEDULE KENDALL COUNTY SOLID WASTE PLAN COMMITTEE

The Kendall County Solid Waste Plan Committee met on the following dates from 5:00 p.m. to 7:00 p.m.

February 26, 2019

May 28, 2019

August 27, 2019

September 25, 2019 – Field trip to the Plano Transfer Station

October 9, 2019

November 20, 2019

**APPENDIX F - SOLID WASTE PARTICIPANT INSIGHT INSTRUMENT
NEW INSTRUMENT FROM AT**

RECYCLING




PAPER MATERIAL
 Magazines and Catalogs
 Telephone Books
 Kraft Brown Paper Bags
 Corrugated Cardboard
 Cereal Boxes (Food boxes in general)
 Junk Mail
 Mixed Paper



METAL MATERIAL
 Aluminum Cans
 Aluminum Foil
 Steel or Tin Cans
 Empty Aerosol Cans
 Aluminum Baking Trays/Pie
 Tins



PLASTIC
 Pop Bottles
 Milk containers (Dry, please)
 Water Bottles (With caps, please)
 Margarine/Butter Tubs (No food residue)
 Toilet/Beauty-Aid Bottles
 Laundry Detergent Bottles



GLASS MATERIAL
 Glass Bottles (Clear, brown, green or blue)
 Glass Jars (Clear, brown, green or blue)



MILK CARTON/ DRINK BOXES
 Gable Top Milk & Juice Cartons (Dry, please)
 Juice Boxes (Dry, please)

REUSE 
REDUCE
RECYCLE

GARBAGE ITEMS

- Carbon paper
- Carpet & cloth material
- Cardboard contaminated w/food
- Glass (Non bottle or jar)
- Glass (Windows)
- Food
- Liquids
- Plastic bags (Grocery bags / trash bags)
- Plastic (Saran wrap)
- Plates or dishes
- Styrofoam
- Waxed cardboard
- Waxed paper

Please check with *your* waste hauler
 for specific details

APPENDIX H – 2015-2020 SOLID WASTE IMPLEMENTATION EFFORTS

The following section describes progress made towards implementation of the 2015-2020 Solid Waste Plan.

■ADMINISTRATIVE OBJECTIVES IMPLEMENTED

There were two 2015 Administrative Objectives addressed over the Plan's 2015-2020 cycle. These objectives are summarized below. The discussion following each objective identifies the action(s) taken to meet the intent of the objective and Plan.

- A. Integrate solid waste legislation monitoring into Kendall County Health Department legislative/policy work.

Schedule: December 2015

This objective is completed due to including some municipal solid waste legislation within the Kendall County Health Department legislative/policy work.

Kendall County Health Department supported Product Stewardship Institute, an organization that has guided and supporting Illinois and Illinois Counties with legislation of solid waste management.

- B. Integrate goals from Solid Waste Plan into Kendall County Health Department Strategic Plan

Schedule: December 2015

This objective is completed as goals from this plan have been incorporated into the Kendall County Health Department Strategic Plan.

■RECYCLING AND SOURCE REDUCTION OBJECTIVES IMPLEMENTED

Providing education and data to the public in a variety of different methods is considered very important in order to ensure that the widest variety of residents learn about proper recycling and the benefits of source reduction. To this end, Kendall County Health Department spent a great deal of time working with school and other government contacts, fostering a good relationship with local media and utilizing our own social media as part of our outreach. Additionally, innovative strategies, such as recognizing local businesses were used to further promote good practices. The following points are provided as examples of accomplishments for each objective.

- A. Offer to educate and promote recycling and source reduction within Kendall County.

- An educational E-waste video was created through WSPY and aired on the local cable channel (June-October, 2015)
- Kendall County sponsored an E-waste Collection event (August 2017)
- Environmental Health staff routinely respond to community phone calls regarding disposal or proper recycling of solid waste (ongoing)

- B. Interact with local schools, clubs, senior groups and community groups in Kendall County on ways in which to promote and practice recycling and source reduction.

Schedule: Annually interact with the Kendall County community via groups such as those reference above, in an effort to promote and inspire recycling and source reduction

Some of the school education included the joint effort by the Soil and Water District.

- 2 Hoover Natural Resources Tour (once annually)
 - 2015- Approximately 800 students, representing three school districts, in May were completed over 4 days.
 - 2016- Approximately 400 students, representing two school districts, and one private school in May were completed over 3 days.
 - 2017 - Approximately 300 students, representing two school districts, in May were completed over 2 days.
 - 2018 - Approximately 300 students, representing two school districts in May were completed over 2 days.
 - 2019 - Approximately 300 students, representing two school districts in May were completed over 2 days.

Additional school education completed.

- 2 Completed classroom education and compost and transfer station facility tours with Bristol Grade school second grade class (2018)

Some of the community education:

- 2 Millbrook Methodist Church (December 2016)
- 2 Solid Waste Plan Kendall County Community Update (November 2017)

- C. Using social/mainstream media, including Kendall county Green Pages to incorporate information on source reduction, recycling and other actions to encourage said waste management.

Schedule: By 2015, update the Kendall County Green Page, and provide community-wide access to this and future updated editions via use of the Kendall County Health Department and Kendall County websites; make reference and embed a website link to the Green Page, within the Kendall County Health Department Community Resource Directory, which is made available both in hardcopy and on the Health Department's website; promote the existence of the Green Page on the Kendall County Health Department's Facebook page. Annually, review the Green Page for any applicable updates.

Staff appeared on WSPY and WAUR in the following months:

- 2015 May, August & December
- 2016 March, April, June, October & December
- 2017 July
- 2018 April

- Facebook/Twitter posts:
 - Supporting Oswego's recycling event (April 2016)
 - National Drug Takeback Day (October 2016)
 - Green pages updated with new source reduction guidelines (July 2017)
 - Advertising Kendall E-waste collection (July-August, 2017)
 - Green pages update announced, results of E-waste event (September 2017)
 - Phonebook recycling (2017)
 - E-waste, Sharps and recycling contamination (March, 2018)
 - America Recycles Day (contamination in recycling) (November, 2018)
 - Contamination reduction in recycling (June 2019)

D. Identify and Communicate methods by which to practice safe and proper disposal of residential household hazardous waste.

Schedule: Performed annually.

- Updated Green Pages on Naperville Household Hazardous Waste site change of location (January, 2015)
 - Met with a waste hauler to discuss unincorporated area and household hazardous waste (2016)
 - Facebook post promoting Naperville Household Hazardous Waste site (June, 2017)
 - Attended Illinois Counties Solid Waste Management Association meeting addressing Illinois funds removed from Household Hazardous Waste budget (2018)
 - Sharps management being addressed through PSI (2018)
 - Environmental Health staff routinely respond to community phone calls regarding residential Household Hazardous Waste (ongoing)
 - Updated Kendall County Health Department website to advise on proper paint disposal (2019)
- E. Communicate with waste haulers to address recycling concerns and possible waste hauler actions that would improve collections.

Schedule: By 2018, all licensed waste haulers will be contacted regarding types of customer education practices implemented.

- Attended seminar on "Challenges of Recycling Glass" concerns of waste haulers. (2016)
- Met with a waste hauler to address unincorporated area for household hazardous Waste (2016)
- Discussed National Chinese Sword and Green Fence Impacts on Haulers (2018)
- Collected waste data from haulers (Annually as part of licensing)

F. Recognize businesses within Kendall County who proactive innovative waste reduction and recycling.

Schedule: Starting in 2016, and annually thereafter, recognize a minimum of one Kendall County business for implementing innovative and effective waste reduction and/or recycling practices.

- Created survey to for sanitarians to complete during inspections to determine recycling efforts. Data collected and analyzed to determine proactive and innovative recycling and source reduction activities in restaurants. (2016)

- Formally recognized some businesses in Kendall County for exemplary waste reduction and recycling (2017)

G. Interact with municipalities and villages within Kendall County on financial benefits and best practices in managing municipal solid waste.

Schedule: Twice during the next five years, each village or municipality should be contacted by the Kendall County Health Department to discuss municipal solid waste practices and financial benefits.

- Worked with Yorkville on E-waste collection concerns. (2015)
- Interacted with Plano on Transfer Station operation. (2016)
- Briefed member's mayors and managers group regarding E-waste legislation. (2018)

■COMPOST OBJECTIVES IMPLEMENTED

Staff worked to stay current with evolving legislation, and with changes to the local composting operation, communicated often with the public and other officials to provide education on proper practices.

A. Offer to educate community, strive to be informed and knowledgeable on lasting composting processes; foster cooperative relationships with commercial composting operations and support legislation to improve compost and yardwaste land application regulations.

Schedule: Educating the community will be an ongoing activity as outreach opportunities become available through various media or presentations.

Semi-annually, visit Illinois Environmental Protection Agency permitted compost sites within Kendall County.

- Kendall County Health Department Staff participate in the Illinois Food Scrap Coalition (2015)
- Staff attended Composting presentation at Illinois Counties Solid Waste Management Association Annual conference (October, 2016)
- Staff communicated with the compost facility in Kendall County as it came under new management (Midwest Materials Management) (2016)
- Working with Midwest Materials Management to create some formal procedures for odor control in response to community concerns (2017)
- Completed classroom education and compost and transfer station facility tours with Bristol Grade school Second Grade class (2018)
- Staff educated community during calls concerning local composting facility (2017-2019)
- Updated compost information on Kendall County Health Department website (2019)

B. Routinely monitor legislation addressing compost and yard wasteland application regulations.
 ▪Illinois Environmental Protection Agency modified legislation to aid in composting in Illinois (House Bill 6029) (2016).

■WASTE-TO-ENERGY AND ALTERNATIVE TECHNOLOGIES OBJECTIVES IMPLEMENTED

Kendall County Health Department Staff have monitored the waste-to-energy industry and regulations and has observed an evolution in technologies over this time frame.

- A. Identify state/federal regulations relating to waste-to-energy and alternative technologies.

Schedule: Routinely track and examine legislation addressing waste-to-energy and other alternative technologies intended to manage of solid wastes.

■No regulations of significance were modified or implemented during this Solid Waste Plan cycle.

- B. Identify Status of United States Environmental Protection Agency clean air attainment and non-attainment designation for townships and relating to waste-to-energy siting.

Schedule: Confirm annually and remain informed on the status of Kendall County townships as related to the National Ambient Air Quality Standards.

■National Ambient Air Quality Standards were verified to ensure these attainment/non-attainment areas had not changed throughout the duration of this current plan.

- C. Continue to identify and examine alternative technologies and offer to educate the public and county leaders regarding these technologies.

Schedule: Remain informed on both the successes and challenges presented by established waste-to-energy and alternative technology-based solid waste management operations at the global and national levels.

■A tour of the Covanta Incinerator was completed (2015)

■Researched modular air-curtain burners for wood waste (2018)

■Bio-diesel from waste technology is starting in the Midwest and this progress is being monitored. This was presented to the Solid Waste Plan Committee at an update meeting. (2019)

- D. No new waste-to-energy facilities or alternative technology facilities as defined by Illinois Environmental Protection Agency as a pollution control facility for handling municipal solid waste in Kendall County.

Schedule: 2015-2020

■No waste-to-energy or alternative technology defined as a pollution control facility were sited during this Solid Waste Plan cycle.

■ **TRANSFER STATIONS OBJECTIVES IMPLEMENTED**

A transfer station was built in Kendall County during this last plan cycle. Activities completed are listed below.

- A. Development of private sector municipal solid waste transfer facilities are allowable within Kendall County.

Schedule: 2015-2020

■ A municipal solid waste transfer station was sited in Kendall County. (2016)

- B. Transfer Station Host Community Benefit Agreement

Schedule: 2015-2020

■ All Transfer Stations must enter into a Host Community Benefit Agreement with the siting authority in the host community and with the Kendall county Board.

■ Each Host Community Benefit Agreement should make considerations for facilities that include materials recovery.

■ County entered into host benefit agreement with the municipal solid waste transfer station in Plano. (2016)

■ **LANDFILLS OBJECTIVES IMPLEMENTED**

- A. No new or expanded landfills in Kendall County.

Schedule: 2015-2020

■ No Landfills defined as a pollution control facility were sited during the duration of this Solid Waste Plan cycle.