

**NORTHERN KENTUCKY SOLID WASTE MANAGEMENT (NKSWMMA)
PLAN UPDATE 2008-2012**

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CHAPTER 1

BACKGROUND INFORMATION

A. Area Designation

Name of County: NKSWMA

Check One: Single County Regional Solid Waste Management Area

List Counties of Regional Area: Boone

Campbell

Kenton

List all incorporated cities within the solid waste management area and the population of each (2006 Projections, Kentucky State Data Center):

CITIES	POPULATION	CITIES	POPULATION
Alexandria city	8,002	Independence city	20,254
Bellevue city	5,993	Kenton Vale city	144
Bromley city	744	Lakeside Park city	2,672
California city	83		
Cold Spring city	5,480	Ludlow city	4,766
Covington city	42,797	Melbourne city	450
Crescent Springs city	3,983	Mentor city	167
Crestview city	455	Newport city	15,721
Crestview Hills city	3,482	Park Hills city	2,776
Dayton city	5,508	Ryland Heights city	817
Edgewood city	8,869	Silver Grove city	1,165
Elsmere city	7,884	Southgate	3,311
Erlanger city	16,965	Taylor Mill city	6,715
Fairview city	143	Union city	3,479
Florence city	26,929	Villa Hills city	7,707
Fort Mitchell city	7,554		
Fort Thomas city	15,413	Walton city	2,935
Fort Wright city	5,420	Wilder city	2,974
Highland Heights city	5,754	Woodlawn city	252
NKSWMA Cities	247,763		

B. Designation of Governing Body

Check One: Fiscal Court 109 Board Regional Area

List the names of the chairperson and members of the governing body. Include official address and telephone number.

Chairperson: Chairperson rotates between the three counties of Boone, Campbell and Kenton every October 1st. During this five-year plan, the Chairperson will be:
 October 1, 2008 Judge Gary Moore, Boone County
 October 1, 2009 Judge Ralph Drees, Kenton County
 October 1, 2010 Judge Steven Pendery, Campbell County
 October 1, 2011 Judge Gary Moore, Boone County
 October 1, 2012 Judge Ralph Drees, Kenton County

GOVERNING BODY:

Boone	J/E Gary Moore P. O. Box 900 Burlington, KY 41005 Phone: (859) 334-2240 Fax: (859) 334-3105 gmoore@boonecountyky.org	Cathy Hudson Flaig, Commissioner 4072 Limaburg Road Hebron, KY 41048 Phone: (859) 334-2240 Fax: (859) 334-3105 cflaig@boonecountyky.org
Campbell	J/E Steven Pendery P. O. Box 72340 Newport, KY 41072 Phone: (859) 292-3838 Fax: (859) 292-3888 spendery@campbellcountyKy.org	Mark Hayden, Commissioner P. O. Box 72340 Newport, KY 41072-0340 Phone: (859) 292-3838 Fax: (859) 292-3888 mhayden@campbellcountyKy.org
Kenton	J/E Ralph Drees P.O. Box 792 Covington, KY 41012 Phone: (859)491-2800 Work Fax: (859) 491-5226 Ralph.drees@kentoncounty.org	Sara Voelker, Commissioner 303 Court Street, 2 nd Floor Covington, KY 41011 Phone: (859) 392-1400 Fax: (859) 392-1412 sara.voelker@kentoncounty.org

C. Solid Waste Coordinator Information

A Solid Waste Coordinator that is not an elected official will hold the position in each county of the NKSWMMA throughout the life of the NKSWMMA Plan.

Name: Mary Shinkle, Boone County SWC and NKSWMMA Coordinator
Address: 5645 Idlewild Road
Burlington, KY 41005
Phone: 859-334-3151
Fax: 859-334-3598
E-mail Address: mshinkle@boonecountyky.org
Work Status: Volunteer Full-Time Part-time (Hrs./Week)

Name: Lori Heilman, Campbell County Solid Waste Coordinator
Address: 24 W. 4th Street, P. O Box 72340
Newport, KY 41072-0340
Phone: 859-547-1801
Fax: 859-292-3822
E-mail Address: lheilman@campbellcountyky.org
Work Status: Volunteer Full-Time Part-time (Hrs./Week) 20

Name: Roger Wells, Kenton County Solid Waste Coordinator
Address: 420 Independence Station Road
Independence, KY 41051
Phone: 859-392-1930
Fax: 859-392-1935
E-mail Address: roger.wells@kentoncounty.org
Work Status: Volunteer Full-Time Part-time (Hrs./Week)

D. Advisory Committee

List the names and representative bodies of the advisory committee members. If the current committee is inactive, the county is to appoint a new advisory committee.

<u>Mary Shinkle</u>	<u>B-Boone County SWC</u>
<u>Jeremy Kleier, Vice Chair</u>	<u>B-City of Florence</u>
<u>Mary Kathryn Dickerson, Chair</u>	<u>B-Boone County Conservation District</u>
<u>Lori Heilman</u>	<u>C-Campbell SWC</u>
<u>Donna Beatsch</u>	<u>C-Resident (also works at ORSANCO)</u>
<u>D.J. Scully</u>	<u>C-Campbell County Cooperative Extension</u>

Roger Wells	K-Kenton SWC
Riley Kinman	K-RNK Environmental
Jamie Eggemeyer	K-Sanitation District No. 1
Dan Groth	K-City of Crestview Hills
Jim Newman	Ex-Officio Bavarian
Greg Pitzer	Ex-Officio Rumpke
Greg Beamer	Ex-Officio CSI
Eric Vandervert	Ex-Officio Abitibi Consolidated (Recycling)

E. Plan Preparation Information (if other than the solid waste coordinator)

Name: _____
 Address: _____
 Phone Number: _____

F. Resolution/Ordinance to Adopt Solid Waste Management Plan 5-Year Update

Check One: Resolution Date Signed: 09/18/07 - Boone Public Notice Date 8/10/07
 Resolution Date Signed: 09/20/07 – Campbell Public Notice Date 8/10/07
 Resolution Date Signed: 09/25/07 – Kenton Public Notice Date 8/10/07
 Resolution Date Signed: 09/24/07 – Newport Public Notice Date 8/10/07
 Resolution Date Signed: 09/25/07 - Covington Public Notice Date 8/10/07
 Ordinance Date Signed: _____ Public Notice Date _____

Appendix 1.1: Attached a signed and dated copy of the resolution/ordinance adopting the 5-year update.

Appendix 1.2: Attached a dated original of the public notice, or a copy and an affidavit from the newspaper for the 5-year update.

Appendix 1.3: Update of Area Designation

Appendix 1.4: County & Cities Resolutions for area designation

CHAPTER 2

COLLECTION

A. Collection System

1. Ordinance Type:

- Mandatory
 Universal

Date Passed:

09/26/95
 B- 02/05/99
 (Ord. Adptd)
 C- 05/21/97

2. Provide a brief synopsis of the collection systems supported by your county solid waste ordinance. *Attach a signed and dated copy of the current solid waste management ordinance including all related amendments as Appendix 2.1*

Kenton County requires, by ordinance, garbage collection at every residence and business. Boone and Campbell have garbage collection available to every residence and business

3. Check all that apply in your county (including cities).

System Types:

Door-to-Door:

	<u>County</u>	<u>Cities</u>
Franchise	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permit	<input checked="" type="checkbox"/> Boone	<input type="checkbox"/>
Municipally Owned/Operated	<input type="checkbox"/>	<input type="checkbox"/>
Private Hauler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Campbell & Kenton	

Other:

Staffed Transfer Station	<input checked="" type="checkbox"/> Kenton	<input checked="" type="checkbox"/> Covington
Staffed Convenience Center	<input type="checkbox"/>	<input type="checkbox"/>
Collection Boxes	<input type="checkbox"/>	<input type="checkbox"/>

4. Describe your county's annual waste hauler registration process, including the annual requirement to file reports.

Kenton & Campbell-Required to file reports annually.

Boone-Permits renewed each year by June 30, Required to file reports annually.

All haulers are required to register annually by Feb. 1.

B. Collection System Strengths

Describe the strengths of your existing collection system.

Increased industry competition and collection rates below the national average are the two major strengths. The Counties don't have added expense in tracking and billing for waste collection. Residents have a choice based on the price and customer service they receive. Cities can contract collection services and know exactly the amount it will cost to provide collection and disposal to bill their residents. Per the 2006 Annual Report, the NKSWM has a participation rate of 97.84%.

C. Collection System Weaknesses

Describe the weaknesses of your existing collection system.

- The NKSWM has less control over the type and availability of systems because all systems are private industry owned.
- The number of waste haulers providing services impacts our road system due to more than one company servicing a particular road and/or subdivision.
- Residents in these areas often get confused with the different waste haulers and programs offered (many residents don't even know who their garbage hauler is).
- Residents sometimes complain about early morning collection and empty cans being thrown about.
- In spite of high participation rates there are still a good number of residents that do not have curbside garbage service and use other means of disposing of their garbage (theft of services, burning, dumping, etc).
- The NSKWMA is not notified when city contracts come due and are re-bid or renewed (Boone & Campbell: county meets with cities quarterly)
- TAC discussion of reducing number of cans (encouraging that recycling be included in contracts)
- It is challenging to determine participation rates in apartment complexes (due to vacancy turnover)

D. Collection Action Plan

Detail specific actions or projects the county will complete to maintain or improve its Collection System. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The NKSWM will continue with the same collection systems for the 2008-2012 plan period. Universal collection in Boone and Campbell, and mandatory in Kenton will continue with most incorporated cities contracting waste collection services for their residents, and all other residents contracting with the waste hauler of their choice.

The city of Covington owns a Transfer Station, operated by Consolidated Services, Inc (CSI). The Transfer Station will remain part of the collection system as long as it proves beneficial to the City of Covington and their contract. The Transfer Station is located on Boron Drive, Latonia, Kentucky 41017.

NKSWM will research the following areas to determine the feasibility of implementing:

- Counties contracting or franchising waste collection in the rural areas
- Cities combining contracts and/or seeking contracts collectively (multi-city contracts)
- Mandatory collection/directed participation for Boone and Campbell counties.
- Determining what residents are not on garbage service (approach the haulers to determine addresses not on service)

The findings will be reported to the Governing Body of the NKSWM for further action

In addition, the NKSWM will perform the following:

- Continue with existing permitting systems will allow the NKSWM to monitor and regulate private industry haulers and collection companies.
- Work with haulers when complaints are logged for early morning collection and empty cans being thrown about on property.
- During Annual Report data collection, the NKSWM will ask cities when city contracts come due and are re-bid or renewed. Boone & Campbell: county meets with cities quarterly.
- Encourage Cities/counties to include recycling when bidding collection contracts to aid in recycling and waste reduction
- Work with haulers to determine accurate participation rates in apartment complexes (due to vacancy turnover)

NKSWM will do everything possible to try to increase the number of households participating in the collection systems. NKSWM will use the educational programs listed in Chapter 8 to aid in increasing the number of participants. This will also aid in educating the public about the companies hauling in our Area as well as what services they provide.

Collection Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Haulers will advertise services annually- COLLECTION	Ongoing	01/2008	12/2012
2. Work with haulers when citizen complaints are logged and determine remedies- COLLECTION	Annually	08/2008	10/2012
3. Registration of haulers- COLLECTION	Annually	02/2008	02/2012
4. Require reporting by haulers- COLLECTION	Annually	02/2008	02/2012
5. Work with cities to determine when city contracts come due and are re-bid or renewed- COLLECTION	Annually	12/2008	03/2012
6. Work with haulers to determine accurate participation rates in apartment complexes- COLLECTION	Annually	12/2008	03/2012
7. Investigate a system by working with haulers to determine what residents are not on garbage service- COLLECTION	Once	06/2009	06/2010
8. Research the feasibility of franchising collection in the unincorporated areas of the counties - COLLECTION	Once	06/2011	06/2012
9. Research the feasibility of mandatory collection/directed participation for Boone and Campbell Counties. - COLLECTION	Once	06/2011	06/2012

Appendix 2.1: Attach a signed and dated copy of the current solid waste management ordinance, including all related amendments.

CHAPTER 3

DISPOSAL

A. Disposal

1. Provide projections of population and waste generated and collected for the county, including all cities for five (5), ten (10) and twenty (20) years in the future.

Time Period	Tons Per Person Per Period	Average Population Projection	Waste Generation Projections (Total Tons Per Period)	Waste Collection Projections (Total Tons Per Period)
2008-2012				
(5 year)	4.95	x 363,126 (2010)	= 1,797,473.70	1,797,473.70
2013-2017				
(5 year)	5.35	x 390,876 (2015)	= 2,091,186.60	2,901,186.60
10 Year Total Waste Projection			3,888,660.30	3,888,660.30
2018-2027				
(10 year)	10.70	x 440,419	= 4,712,483.30	4,712,483.30
20 Year Total Waste Projection			= 8,601,143.60	8,601,143.60

2. List all contained landfills, including out-of-state landfills that will be used by your county during the 5-year update period. *Provide **capacity assurance letters** demonstrating a minimum of 10 years of capacity from the landfill(s) and copies of any contractual agreements with those disposal facilities listed in this plan as Appendix 3.1*

Landfill Name: Bavarian Trucking—Boone County

Permit #: Permit # 008-00004

Address: 12764 McCoy Fork Road
Walton, KY 41094

Landfill Name: Epperson Waste Disposal—Grant County

Permit #: Permit # 041-00004

Address: 117 Kell Road
Williamstown, KY 41097

Landfill Name: Rumpke Landfill—Pendleton County

Permit #: Permit # 096-00001

Address: Bryant-Griffin Road
Butler, KY 41006

Landfill Name: Rumpke Sanitary Landfill (Colerain)—Hamilton County, OH

Permit #: Core ID 33318

Address: 10795 Hughes Road
Cincinnati, OH 45251

3. Provide a complete inventory of all disposal facilities **currently** operating in your county. Facilities to include are: contained landfills, construction/demolition debris landfills greater than one acre, incinerators or other technologies that accept municipal solid waste and medical waste incinerators that accept medical waste from other sources. (*Note: Do not include on-site incinerators that accept waste only from their own facility [known as a captive site] or construction/demolition debris landfills that are less than one acre.*)

a. Facility Name: Bavarian Trucking—Boone County (sanitary landfill)
 Location: 12764 McCoy Fork Road
Walton, KY 41094
 Ownership: Same
 Cost to users: \$25.75/ton
 Life Expectancy: 43 years
 Level of compliance with state and federal laws: compliant

Counties hosting a landfill must complete question 4. All other counties can proceed to question 5.

4. A. For the contained solid waste disposal facility you host, identify the following:

Capacity authorized in the 1993 plan		Tons	<u>919,620.75</u>	Years	<u> </u>
Additional capacity authorized in 19	<u>93</u>	Tons	<u>3,306,885.75</u>	Years	<u> </u>
Permit Modification changed capacity					
Additional capacity authorized in 19	<u>94</u>	(minus) Tons	<u>1,375,328.25</u>	Years	<u> </u>
Tons capacity authorized in 19	<u>96</u>	Tons	<u>8,287,500.00</u>		<u> </u>
Additional capacity authorized in 20	<u> </u>	Tons	<u> </u>	Years	<u> </u>
TOTAL CAPACITY AUTHORIZED		Tons	<u>11,138,678.25</u>	Years	<u>37</u>
Additional capacity requested during this 5-year update		Tons	<u>0</u>	Years	<u> </u>
Amount disposed in the landfill to date:		(minus) Tons	<u>3,466,635.00</u>		
Remaining capacity at landfill:		Tons	<u>7,672,043.25</u>	Years	<u> </u>

- B. For the greater than one-acre construction/demolition (CD/D) landfill you host, identify the following:

TOTAL CAPACITY AUTHORIZED *Tons 139,778.0

- Bavarian reported that no CDD waste is going into their CDD cell. Any CDD material is going into the sanitary landfill.

5. Describe any proposal(s) for new disposal facilities or expansions of existing disposal facilities (landfill, incinerators or other approved technologies, etc.) planned during the 5-year update period.

None at this time

6. Describe the county's emergency disaster plan to address solid waste concerns in the event of natural disasters (flooding, snow/ice storms, tornadoes, earthquakes).

Boone County—Debris Removal Considerations is ANNEX V in the Emergency Operations Plan. It stipulates the keeping of records, considerations of public interest, and outlines various departments with which to coordinate.

Kenton County—Debris Removal is an ANNEX V in the Emergency Plan. It stipulates the health concerns, staging areas, contractual agreements; it establishes the Kenton Public Works as the lead agency in the removal of debris.

Campbell County—Debris Removal is Annex 2, page 12 in the Emergency Operations Plan. It stipulates composition of debris from various events, jurisdiction, resources, operations, reduction, and administrative support.

7. Describe plans to research alternative approaches to solid waste management.

The NKSWM is continually exploring options for solid waste management. Techniques such as incineration, municipal solid waste composting, or refuse derived fuel will be considered as opportunities present themselves. For this Planning period, there are no viable alternatives to traditional methods, but they shall be given due consideration if viable options become available.

B. Disposal Practices Strengths

Describe the strengths of your existing disposal practices.

NKSWM currently enjoys an excess of capacity for our waste. Because of capacity and the geographic proximity of the facilities, we also have low disposal costs. We have brought the landfill operators into our planning process. Several of the waste companies operating landfills are appointed as “ex officio” members on the Technical Advisory Committee (TAC). We also hold TAC meetings and/or visit the landfill and other solid waste/environmental facilities

There is one sanitary landfill in the NKSWM, while there are eight (8) facilities that receive or have received our waste in the past.

C. Disposal Practices Weaknesses

Describe the weaknesses of your existing disposal practices.

- There is currently only one construction and demolition debris landfills in the NKSWM that is open to the public at the Bavarian landfill in Walton, KY. However, this CDD cell is inactive. There are many C&D landfills directly across the river in Hamilton County, OH, however many of these CDD landfills are on sole course aquifers; if those CDD landfills close, additional capacity may be needed for CDD disposal.
- Large item disposal can be a challenge outside of spring/fall cleanups. Kenton County provides curbside pickup and free dump day one Saturday per month for their residents.
- The EOPs do not specifically address terrorist-related waste and disposal

D. Disposal Action Plan

Detail specific actions or projects the county will complete to maintain or improve its disposal practices. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The NKSWM will continue to work on reducing the dependency on landfills, by reducing the size of the Area's waste stream, maximizing Reduction, Reuse, and Recycling programs and providing solid waste disposal in a safe, environmentally sound, aesthetically acceptable manner.

- The NKSWM will continuously monitor capacity in our Area as well as surrounding counties and states to assure adequate disposal capacity for our residents.
- The NKSWM will monitor debris landfill capacity to assure adequate capacity for our residents
- The NKSWM will investigate the feasibility of initiating cleanup programs that mirror Kenton County's 'We Care' and "We Care About the Environment" programs that provide curbside pickup for large items and free dump day one Saturday per month for their residents. The Area will also investigate the feasibility of establishing public/private partnerships with entities that offer hauling, disposal, etc. to residents.
- The NKSWM will investigate the need and feasibility of increasing free-dump programs (like spring and fall cleanups)
- The NKSWM will work with its respective county Emergency Management Departments to address terrorist-related waste and disposal.

Disposal Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Make opportunities for the TAC and Governing Body to become more familiar with the landfills and other facilities in our area - DISPOSAL	Ongoing	03/2008	12/2012
2. The NKSWMA will work with its respective county Emergency Management Departments to address terrorist-related waste and disposal - DISPOSAL	Once	08/2008	12/2009
3. Monitor disposal capacities in both sanitary and CDD landfills - DISPOSAL	Annual	12/2008	03/2012
4. Investigate the feasibility of initiating cleanups programs that mirror Kenton County’s “We Care” and “We Care About the Environment” programs - DISPOSAL	Once	05/2009	05/2010
5. The NKSWMA will investigate the need and feasibility of increasing free-dump programs (like spring and fall cleanups) - DISPOSAL	Once	08/2009	12/2010
6. The Area will also investigate the feasibility of establishing public/private partnerships with entities that offer hauling, disposal, etc. to residents - DISPOSAL	Once	07/2010	11/2011

Appendix 3.1: Capacity assurance letters and copies of any contractual agreements.

CHAPTER 4

RECYCLING/REDUCTION

A. Recycling/Reduction Program

1. Is recycling offered in your county? Yes No
2. Describe your county's annual recycler registration process, including the annual requirement to file reports.

All three counties shall require registration as pursuant to KRS 224.43-315 Sections 2 & 3. Registration of all recyclers by February 1 of each year using forms provided by the Commonwealth of Kentucky, Division of Waste Management.

3. Describe your assessment of the opportunity to reduce the need for land disposal by banning yard waste.

The NKSWM intends to continue current programs of diverting materials such as Christmas trees, leaves, and storm debris from the landfill. We also plan to continue conducting awareness campaigns to educate the public about the value of landfill space. The NKSWM Technical Advisory Committee has also determined the following: "By removing yard waste from the landfill, a significant source of biological activity is also removed. This biological activity helps speed the decomposition of other materials in the landfill, and generates methane as a by-product. Methane is considered a greenhouse gas, and as such, is coming under increasing scrutiny. New legislation/regulations (CAA Title V) will require methane recovery. This methane recovery becomes more economical and beneficial when the generation rates within a landfill are increased. Again, by removing the yard waste from the landfill, methane recovery becomes more expensive. There is much activity in the private sector to resolve the potential and upcoming issues related to methane gas, and until these are resolved, the NKSWM Technical Advisory Committee has recommended we leave yard waste diversion on hold."

4. Does your county collect or manage yard waste for the purpose of diverting it from a landfill? Yes No
5. List the cities within your county that collect or manage yard waste for the purpose of diverting it from the landfill?

- a. Florence
- b. Erlanger
- c. Villa Hills
- d. Crestview Hills
- e. Park Hills
- f. Ft. Thomas
- g. Silver Grove
- h. Southgate

6. Describe any composting operations currently operating in your county. If no composting operation exists, detail any actions the county plans to take to initiate the composting of grass clippings, leaves and other yard waste.

There are no registered composting operations in the NKSWM. The NKSWM is actively looking for composting opportunities within the region, and will continue to actively encourage facilities who wish to compost organics.

NKSWM has actively encouraged home composting for many years. Programs like “Don’t Bag It” and the compost bin sale serve as prime examples. We regularly hand out literature and aid homeowners to develop compost bins at their homes.

7. Describe the plan implemented by your county to reduce the need for land disposal through waste reduction and recycling, materials recovery, and energy recovery and the provision of opportunities for recycling that may include, but are not limited to, drop-off centers or door-to-door collection.

The NKSWM will continue to act to conserve landfill space. We will promote the 4 R’s: Reduce, Reuse, Recycle and Rebuy/ While there is adequate service provided through the private sector, we see our role as an additional promoter of existing programs. The NKSWM has placed reduction/recycling on their priority list. The NKSWM will be exploring ways to increase waste reduction and materials recovered.

Each county will work with their municipalities to encourage participation in the recycling programs. Education presentations will continue to promote recycling.

Kenton and Campbell will analyze recycling services within their counties to determine any lapses in coverage during the first two years of the Plan (such as number of drop-box sites, etc). Boone will add at least one drop-box site.

8. If either recycling or material recovery are deemed not feasible, provide specific factual analysis supporting that decision.

N/A

9. Describe how used motor oil, batteries and antifreeze are handled in your county.

The NKSWM Resource Guide lists all the places in the counties where these items, and others, can be disposed. The oil change and auto parts locations that accept motor oil are listed. The “scrapper” recycling companies are listed that take car batteries. Kenton and Boone County Public Works Departments accept used antifreeze. Also, Campbell County Public Works Department takes car batteries as well. Boone & Kenton County also take motor oil.

10. Describe how household hazardous waste is handled in your county.

The Household Hazardous Waste Action Coalition (HHWAC) has established a hotline and website for HHW. HHWAC is made up of county, utility, municipal, and private sector representatives from Boone, Campbell, Grant, and Kenton. They have established priority disposal items for concern. The focus has been on an educational awareness campaign rather than spending large tax dollars on disposal of materials for which there are disposal options. The campaign has been conducted in various newsletters, newspapers, and flyers/magnets given directly to all K-6 grade school children in the four counties.

TOYOTA grant and business partnership. The HHWAC keeps a list of disposal standards for each material. The “catch-all” is an environmental disposal service in Cincinnati that

takes potentially hazardous materials from the public for a small fee. When feasible, the NKSWMA offers a mercury collection program and the Florence Field Office will occasionally accept mercury from residents. Campbell County has also held a Farm Oil Recycling Program. The Household Hazardous Waste Action Coalition sponsors the RETHINK Program, and educational and public/private partnership with Area businesses to educate residents and businesses about proper disposal and recycling of these items.

11. Are electronics/computers recycled in your county? Yes No

If yes, describe your electronics/computer (e-scrap) recycling program.

There are opportunities for recycling computers in the NKSWMA. Campbell County collects limited amounts during their cleanup. The machines get refurbished and given to non-profit agencies and citizens. A few of the local re-use organizations, such as Goodwill, will accept certain computers for refurbishing. Apex Technology Solutions in Kenton County provides a drop-off center as well as free computer recycling for schools and municipalities. Apex also provides a free computer recycling event for the NKSWMA for America Recycles Day (November).

If no, discuss the possibility of your county starting an electronics/computer (e-scrap) recycling program.

12. Is office paper recycled in your county? Yes No

If yes, what businesses or agencies recycle office paper?

Many agencies and businesses recycle office paper. There are several private haulers who offer separate office paper recycling pick up programs for a fee. Recycling data is tracked and reported in the Annual Report. Please see section 13. below for information on Abitibi Consolidated.

If no, explain why office paper is not recycled in your county.

13. What efforts has your county made to assist the local school boards in recycling white paper and cardboard to meet the statutory requirements of KRS 160.294?

Abitibi Consolidated provides both community and commercial paper recycling services. Paper collected through the company's Abitibi Paper Retriever[®] program is directed to processing centers where it is sorted into various grades and prepared for shipment. It is then routed to our de-inking facilities and mills where it is used to manufacture 100% recycled content newsprint. Abitibi Paper Retriever[®] is a free, community-based program, with approximately eighty-six (86) collection points in the NKSWMA, including schools, places of worship and non-profit organizations. Abitibi-Consolidated Recycling Division pays these organizations for their paper recycling efforts. Newspaper, magazines, shopping catalogs, office and school papers as well as mail can all be recycled at the green and yellow Abitibi Paper Retriever[®] bins

Schools have the opportunity to recycle cardboard through Rumpke's drop box program as well as CSI's school recycling programs.

B. Recycling Program Strengths

Describe the strengths of your existing recycling program.

Approximately 70% of residents in NKSWM have curbside recycling available

Some material specific strengths include: ample motor oil drop-off locations, all three counties offer appliance drop-off, two of the counties offer antifreeze drop-off, ample Ni-Cd battery and cell phone drop-off locations, Christmas tree drop-off and pick-up service, leaf collection in numerous cities, printer cartridge recycling, many second hand stores take numerous items including clothing, and plastic grocery sacks can be recycled.

Strong mixed recycling drop-off program in Boone County; Campbell & Kenton have a limited drop-off program; Strong desire from the public to recycle

Many new opportunities for materials drop-off have been created/discovered recently
Residential recycling programs have identical standards as to materials and preparation
New residents are made aware of recycling through direct phone calls to County SWCs, homeowner's associations and webpage (NKSWMA). The cities of the NKSWMA do an excellent job of notifying new residents of services through letters, bill inserts and newsletters. Also, cities have recycling committees that communicate with county SWCs. Increasing recycling being one of the NKSWMA highest priorities. In addition:

- Abitibi paper recycling program for non-profit organizations (fund-raising program)
- Apex electronics recycling program which is free to residents
- Mercury collection program through State and County

C. Recycling Program Weaknesses

Describe the weaknesses of your existing recycling program.

- Lack of focus on reduce/reuse concepts
- Emphasis on residential and less on business/industry
- Weak promotion of buying reused and recycled products
- Low participation in curbside recycling programs; since there is no "new resident" or "welcoming" entity in Northern KY, new residents made aware of recycling options on a very limited basis.
- Markets for recyclable materials are extremely volatile.
- Plastic bag recycling is a challenge – "Take your own bag program" needs to be promoted
- Contamination at recycling bins occurs (people trying to recycle off-spec items)
- Limited number of drop-boxes in Campbell County and Kenton County
- Challenge to recycle at condominiums and apartment complexes (no room for large drop boxes)
- No opportunities for recycling household (small) batteries
- No uniform Procurement Code for preferences for buying recycled in Counties or Cities
- Need to address recycling through city collection contracts (include recycling in combined bill so that residents have access to curbside recycling – more likely to participate if they are already paying for it)
- Tracking needs to be more thorough in determining recycling in the commercial segment
- Recycling is still confusing to residents; better education on the "how to's" and the "why's" of recycling
- Recycling commingled is challenging at small businesses or sites (such as the Rabbit Hash General Store, apartment complexes, etc.).
- Lack of options for recycling wood debris
- No incentive programs for recycling (giveaways, etc.)

D. Recycling/Reduction Action Plan

Detail specific actions or projects the county will complete to maintain or improve its recycling system. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The NKSWM will continue to act to conserve landfill space. We will promote the 4 R's: Reduce, Reuse, and Recycle and Rebuy through education/awareness, as well as working with local leaders to insure availability of programs. While there is adequate service provided through the private sector, we see our role as an additional promoter of existing programs. Many of the municipal recycling programs are not fully utilized. In many cases, new residents move in, but are not aware of the programs because they do not see recycling bins on their street. The NKSWM has placed reduction/recycling on its priority list. It will be exploring ways to increase waste reduction and materials recovered. It has been recommended that an analysis be performed of the existing programs to identify gaps in the services provided. Recommendations will be provided to the NKSWM Governing Body on ways to boost participation and recycling collection for residential, commercial, and industrial sectors as well.

These recommendations will involve working more closely with the cities to increase awareness of existing programs. In addition, the NKSWM will:

- Research the feasibility of expanding recycling for various HHW items (such as mercury, paint, automotive, etc).
- Work with cities and counties to encourage purchasing of recycled content materials by including same into city/county procurement codes
- Investigate the feasibility and availability of recycling household (small) batteries
- work with cities, recyclers and haulers to address recycling through city collection contracts (include recycling in combined bill so that residents have access to curbside recycling)
- Expand focus on reduce/reuse concepts
- Investigate avenues for alerting new residents of recycling options within the NKSWM (such as working with real estate companies)
- Promote "Take your own bag program" to reduce reliance on plastic and paper bags at grocery stores
- Investigate additional drop-box sites in the NKSWM
- Work with commercial entities to better track recycling at commercial facilities
- Research opportunities for recycling commingled at small businesses
- Research options for recycling wood debris
- Research feasibility of expansion of drop-box sites; the Counties will analyze recycling services within their counties to determine any lapses in coverage during the first two years of the Plan (such as number of drop-box sites, etc).
- Research incentive programs for recycling (giveaways, etc.)

Recycling/Reduction Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequen cy	Month/ Year to Begin	Month/Year to Be Accomplished
1. <u>Maintain county drop-off box locations – RECYCLNG/REDUCTION</u>	Ongoing	01/2008	12/2012
2. <u>Maintain Christmas tree mulching program</u>	Annual	01/2008	12/2012
3. <u>Maintain partnerships with private entities to provide electronics recycling– RECYCLNG/REDUCTION</u>	Annual	01/2008	12/2012
4. <u>Maintain an appliance-recycling program at each county public works– RECYCLNG/REDUCTION</u>	Weekly	01/2008	12/2012
5. <u>Advertise services– RECYCLNG/REDUCTION</u>	Ongoing	01/2008	12/2012
6. <u>Promote “Take your own bag program” to reduce reliance on plastic and paper bags at grocery stores– RECYCLNG/REDUCTION</u>	Annual	03/2008	08/2012
7. <u>Work with Chamber of Commerce, KPPC, or other business alliances to promote business and industrial recycling of materials – RECYCLNG/REDUCTION</u>	Annual	05/2008	12/2012
8. <u>Support new facilities and/or opportunities that provide services in 4Rs– RECYCLNG/REDUCTION</u>	Ongoing	05/2008	12/2012
9. <u>Work with providers to maintain standards for recycling collection and/or providing for new materials to be added to streams– RECYCLNG/REDUCTION</u>	Ongoing	05/2008	12/2012
10. <u>Research the feasibility of expanding recycling for various HHW items (such as mercury, paint, automotive, etc) – RECYCLNG/REDUCTION</u>	Annual	05/2008	10/2012
11. <u>Investigate avenues for alerting new residents of recycling options within the NKSWM (such as working with real estate companies) – RECYCLNG/REDUCTION</u>	Annual	05/2008	12/2012
12. <u>Investigate the feasibility of additional drop-box sites in the NKSWM– RECYCLNG/REDUCTION</u>	Once	09/2008	02/09
13. <u>Registration of all recyclers– RECYCLNG/REDUCTION</u>	Annual	02/2008	02/2012
14. <u>Require reporting of all recyclers– RECYCLNG/REDUCTION</u>	Annual	02/2008	02/2012
15. <u>Work with commercial entities to better track recycling at commercial facilities– RECYCLNG/REDUCTION</u>	Annual	12/2008	03/2012
16. <u>Research opportunities for recycling commingled at small businesses– RECYCLNG/REDUCTION</u>	Once	07/2009	12/2009
17. <u>Work with providers to develop measures and data collection procedures for information on the effectiveness, quality, coverage, and customer satisfaction of recycling in counties, cities, and companies of the NKSWM – RECYCLNG/REDUCTION</u>	Once	09/2009	12/2010
18. <u>Work with cities, recyclers and haulers to address recycling through city collection contracts (include recycling in combined bill so that residents have access to curbside recycling) – RECYCLNG/REDUCTION</u>	Once	11/2009	12/2010
19. <u>Investigate the feasibility and availability of recycling household (small) batteries– RECYCLNG/REDUCTION</u>	Once	08/2010	11/2010
20. <u>Research options for recycling wood debris– RECYCLNG/REDUCTION</u>	Once	08/2010	02/2011
21. <u>Research incentive programs for recycling– RECYCLNG/REDUCTION</u>	Once	09/2010	09/2011
22. <u>Work with cities and counties to encourage purchasing of recycled content materials by including same into city/county procurement codes– RECYCLNG/REDUCTION</u>	Once	08/2011	08/2012

CHAPTER 5

OPEN DUMPS AND LITTER

A. Open Dumps and Litter

1. Describe the contents of the Ordinance with respect to open dumping. *Provide a copy of the section of the Ordinance pertaining to Open Dumping as Appendix 5.1.*

Open dumping is prohibited by Ordinance in Kenton, Campbell, and Boone Counties

2. During what time frames will the annual survey to discover new open dumps be conducted by the county?

Dumpsites are cleaned in an order of prioritization with the environmental impact being the top criteria. However, consideration is given to the visibility of the site, ease of dump cleanup, and responsible party identification. Dumps on public property are cleaned by public works crews/detention crews and dispensed with immediately. Others may require more careful planning and safety considerations may need to be identified. Dumps on private property require owner identification/notification, consideration of financial/physical ability, and working with court systems.

3. Describe the procedures to identify and record open dumps found during the annual survey.

The counties will designate the month of November as the time period for special awareness of open dumps. The counties will inform employees in the applicable departments (such as Public Works, Building Inspector's Office, Property Valuation Administration, Jail Crew and others) of the designated month. They will convey information back to the SWCs. The SWCs will also attempt to patrol known or suspected areas of dumping.

4. What criteria is used by the county to prioritize the clean up of illegal dumps?

The survey will be conducted in November of every year. All dumps are evaluated based on the severity of the violation of environmental performance standards on a case by case basis.

5. Describe the procedures to prevent the recurrence of illegal dumping at sites that have been cleaned.

Areas that have experienced repeated dumping are monitored. Signs are sometimes used to deter dumping with varying rates of effectiveness. Individual sites are given due consideration as to methods of limiting access to prevent future dumping. State cameras have been utilized in some areas with recurring activity. A "Dump Watch" program in neighborhoods and home clusters has also been utilized.

6. Describe any assistance the county offers to private property owners to clean up open dumps.

All three counties offer semi-annual drop off events called Cleanups. These Cleanups allow citizens to drop off rubbish, appliances, and often tires at no charge. The responsible party is informed of these events and allowed to dispose of trash cleaned from the illegal dump. Appliances can be dropped off year-round. Kenton County allow residents to bring items for disposal one Saturday per month as well as provides curbside pickup of bulk items.

7. Describe the planned programs for the control and clean up of litter, including the requirement to cleanup litter along public roads three (3) times per year and city streets two (2) times per year.

NKSWMA shall continue controlling and cleaning up litter. Many programs have been conducted in the past including using juvenile community service workers, jail crews, and public works crews. We plan on using education as a significant tool as well to prevent the generation of litter. Restaurants, in particular, as well as the general public have been targeted for awareness. Commonwealth Cleanup Week in March, Great American Cleanup in April and River Sweep in June of every year is conducted for litter control. The Adopt-A-Highway program is available to groups as well.

The cities will continue their program of regularly cleaning littered areas within their jurisdiction. Both cities and counties will report their cleanup activities in the process to receive the litter funding from HB 174.

Counties are in routine contact with cities and law enforcement officials to aid coordination. Boone County's Litterbug Spotter Program, Trash for Cash Program for non-profit organizations and the County Pride Posse, which forms partnerships among public agencies, private entities and citizens, ensures cleanups, enforcement, education and citizen support. Boone also performs cross-agency training to aid in determining appropriate cleanup sites.

8. Describe the coordination efforts that exist between county government and local, county and state law enforcement. *If your county has a litter ordinance, provide a copy of the ordinance or the portion of the solid waste ordinance pertaining to litter as Appendix 5.2.*

The NKSWMA works very closely with agencies within the Area. These agencies include other departments within the counties such as Water Rescue, Public Works, Jail, Code Enforcement, Building Inspection, Planning Commission and Sheriff's Depts., Conservation District, Cooperative Extension, Water Departments, Sanitation District, State Field Office, and State Troopers.

9. Complete the following page for **each open dump** in existence in your county.

NOTE: Complete information on dump sites are available on hardcopy upon request.

Location/Name: _____

TEMPO Number (If applicable): _____

Directions from County Courthouse: _____

Latitude: _____ ° / _____ ' / _____ " Longitude: _____ ° / _____ ' / _____ "

Dump Size: _____ (ft) Width x _____ (ft) Length x _____ (ft) Depth = _____ (ft³) Volume

How many single axle dump truck loads? _____

- Contents: Household
 (check all that apply) CD/D Building Material
 CD/D Concrete
 Brush or landscape
 Appliances How many? _____
 Tires How many? _____
 Any Hazardous Material Describe: _____
 Other List: _____

- Accessibility: Paved Steep Slope Trees surrounding site
 (check all that apply) Gravel/Dirt Road Water Surrounding Site
 Other List: _____

- Type of Setting: Public Property Residential Area Private Property
 (check all that apply) Floodplain/Floodway Woods
 Open Field Creek/River Bank
 Sinkhole Old Quarry Pit
 Cliff Roadside
 Hillside
 Other List: _____

Is there a well within 500 ft. of an open dump? Yes No How Far? _____

Date Dumpsite Identified: _____

Date to Clean: _____

List any **local** (schools, historic sites, etc.) factors and environmental issues of concern: _____

Responsible Party Known? Yes No List names and describe evidence that identifies responsible persons. _____

Enforcement Actions Underway? Yes No

Provide Digital Photos When Available

10. Utilize the itemized guidelines listed below to formulate the total estimated cleanup cost for **each open dump** identified in the Area Solid Waste Management Plan 5-Year Update. Individual costs shall not exceed the listed rates.

Dump Cleanup Cost Estimate Worksheet

County _____ Date _____

TEMPO # _____ Dump Name _____

Equipment Costs

<u>Equipment Type</u>	<u>Maximum Allowable Hourly Rate</u>	<u>Estimated Hourly Rate</u>	<u>Hours Used</u>	<u>Total</u>
Bulldozer, 246-375 h.p.	\$124	_____	_____	_____
Bulldozer, 161-245 h.p.	\$79	_____	_____	_____
Bulldozer, 105-160 h.p.	\$55	_____	_____	_____
Bulldozer, 50-105 h.p.	\$40	_____	_____	_____
Rubber Tired Backhoe	\$50	_____	_____	_____
Crawler-Mounted Backhoe	\$73	_____	_____	_____
Excavator	\$70	_____	_____	_____
Track Loader	\$64	_____	_____	_____
Dumptruck, Single	\$28	_____	_____	_____
Dumptruck, Double Axle	\$47	_____	_____	_____
Passenger Van	\$9.75	_____	_____	_____
Pickup, 2 Wheel Drive	\$9.75	_____	_____	_____
Pickup, 4 Wheel Drive	\$13.35	_____	_____	_____
Crewcab, 2 Wheel Drive	\$13.35	_____	_____	_____
Crewcab, 4 Wheel Drive	\$16.50	_____	_____	_____
Pull Behind Flatbed Trailer	\$2.00	_____	_____	_____
Roll Off Boxes	_____	_____	_____	_____
Other	_____	_____	_____	_____
<i>EQUIPMENT TOTAL:</i>				_____

Disposal Fees

<u>Facility Name & Location</u>	<u>Tons Estimated</u>	<u>Per Ton Cost</u>	<u>Total</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<i>DISPOSAL TOTAL:</i>			_____

B. Open Dump Strengths

Describe the strengths of your existing system to eliminate open dumping.

The Plan allows for change on a yearly basis and the freedom for input and innovations.

Statewide attention to illegal dumping has brought the subject to the forefront within multiple departments and people helping to track/enforce/clean-up Open Illegal Dumps.

Excellent relationship with county departments and other agencies in the reporting of littered areas and open dumps to SWCs.

Residents know where to call for such incidences so SWC can issue work orders for cleanup on right-of-ways.

Awareness campaign is conducted in the counties -- websites, media, citizen involvement, public speaking engagements.

Strong partnerships with cities are being developed.

C. Open Dump Weaknesses

Describe the weaknesses of your existing system to eliminate open dumping.

- Setting specific time frames for clean-up of dump sites can be very challenging. If met with obstacles, there is a threat of being out of compliance. Also the implementation schedule for clean up should be dealt with on the local level and not regulated by the State.
- Lack of resources available to complete the total administration of the dump process (enforcement, follow-up and tracking systems are very time consuming).
- Lack of resources, including personnel, available outside of the normal daytime working hours for night time surveillance in enforcement of littering & illegal dumps.
- Coordination between jurisdictions to report and clean up litter and dumps.
- Very little oversight over commercial waste management.
- Tenants leaving landlords with huge amounts of trash (sometimes on the ROW)
- Construction Demolition Debris dumping continuing to grow
- Illegal signs on ROW considered blight and difficult to keep ahead of the volume
- Property owners discovering dumps on the property after the property is purchased
- Campbell County ordinance stipulates that a violation must be seen from a public road; ordinances needs to be updated to include dumps seen by an adjacent property owner
- Despite the relationships being built between counties and cities, there are still some cities that are unaware of open dump laws
- Solid Waste Ordinances need to be reviewed and the need determined for updating
- Networking opportunities need to be taken the improve inter-agency communication
- Improve communication and relationship with citizens to increase community participation (such as sending a letter to residents indicating there is dumping occurring in the neighborhood – what to do, who to call, etc.).

D. Open Dump Action Plan

Detail specific actions or projects the county will complete during the 5-year update period to eliminate open dumping. List all identified open dumps with scheduled clean up dates. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

NKSWM will continue its vigilance in regards to open dumps. Our area has accomplished most of the activities to thwart dumping and littering. Any problems that occur shall be addressed on an ongoing basis.

There are several things we need ongoing maintenance however. We will continue to encourage cooperation between jurisdictions and agencies. This will be accomplished by maintaining dialogue about these issues. We will also try to facilitate better understanding of the administrative processes involved in dump cleanup for those outside of this arena. While we realize that there are many worthwhile activities undertaken by governments, we will try to draw resources to monitor dumping areas in NKSWM.

- Address blight issues concerning commercial dumpsters.
 - Investigate the feasibility of using personnel available outside of the normal daytime working hours for night time surveillance in enforcement of littering & illegal dumps.
 - Increase coordination between jurisdictions to report and clean up litter and dumps.
 - Work with commercial entities through education and enforcement to reduce violations (blight, etc) in commercial waste management.
 - Develop policy/procedures to address the debris left by tenants abandoning properties
 - Work with County agencies such as Building Inspection, Codes Enforcement and the Planning Commission as well as private entities to address construction demolition debris dumping
 - Work with Codes Enforcement and other applicable entities to address illegal signs on ROW
 - Work with real estate companies to assist in alerting potential property owners about possible dumps on the property
 - Review and investigate the feasibility of updating the Campbell County ordinance to stipulate that a violation may be seen by an adjacent property owner rather than simply from a public road
 - Review and, when appropriate and feasible update the Solid Waste Ordinances in the NKSWM
 - Initiate, develop and participate in networking opportunities to improve inter-agency communication
 - Improve communication and relationship with citizens to increase community participation (such as sending a letter to residents indicating there is dumping occurring in the neighborhood – what to do, who to call, etc.)
-

Open Dump Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/ Year to Begin	Month/Year to Be Accomplished
1. Continue to identify “hot spots” for dump with focus on eliminating their use- DUMP	Ongoing	01/2008	12/2012
2. Continue existing cleanup programs and new avenues for cleanup as they develop- DUMP	Ongoing	01/2008	12/2012
3. Continue to utilize jail crews for cleanup of dumps- DUMP	Ongoing	01/2008	12/2012
4. Address blight issues concerning commercial dumpsters- DUMP	Ongoing	01/2008	12/2012
5. Work with commercial entities through education and enforcement to reduce violations (blight, etc) in commercial waste management- DUMP	Ongoing	03/2008	12/2012
6. Work with County agencies such as Building Inspection, Codes Enforcement and the Planning Commission as well as private entities to address construction demolition debris dumping- DUMP	Annual	04/2008	12/2012
7. Initiate, develop and participate in networking opportunities to improve inter-agency communication- DUMP	Ongoing	04/2008	12/2012
8. Work with other jurisdictions within NKSWM to encourage reporting/cleaning of dump areas- DUMP	Ongoing	07/2008	12/2012
9. Develop policy/procedures to address the debris left by tenants abandoning properties- DUMP	Once	05/2009	12/2009
10. Investigate the feasibility of using personnel available outside of the normal daytime working hours for night time surveillance in enforcement of littering & illegal dumps- DUMP	Once	05/2010	12/2010
11. Work with Codes Enforcement and other applicable entities to address illegal signs on ROW- DUMP	Once	05/2010	12/2010
12. Review and investigate the feasibility of updating the Campbell County ordinance to stipulate that a violation may be seen by an adjacent property owner rather than simply from a public road- DUMP	Once	06/2010	06/2011
13. Review and, when appropriate and feasible update the Solid Waste Ordinances in the NKSWM- DUMP	Once	06/2010	06/2011
14. Work with real estate companies to assist in alerting potential property owners about possible dumps on the property- DUMP	Once	05/2011	12/2011
15. Improve communication and relationship with citizens to increase community participation (such as sending a letter to residents indicating there is dumping occurring in the neighborhood and provide guidance on reporting) - DUMP	Annual	05/2011	12/2011

Appendix 5.1: Portion of ordinance pertaining to open dumping.

E. Litter Strengths

Describe the strengths of your existing system to eliminate littering.

Many cleanups are conducted annually like the OH River Sweep, CRIK, cities, Great American Cleanup, and Adopt-A-Highway.

Excellent relationship with county departments and other agencies in the reporting of littered areas and open dumps to SWCs.

Residents know where to call for such incidences so SWC can issue work orders for cleanup on right-of-ways.

Awareness campaign is conducted in the counties -- websites, media, citizen involvement, public speaking engagements.

Boone's Trash for Cash Program (non-profit groups are paid \$100 per mile to remove litter from county ROW and the Litterbug Spotter Program and Pride Posse provides for interagency, cross-agency and citizen involvement.

Boone has enjoyed some success in restaurant participation with bumper stickers in windows and drive-thrus promoting a clean community and anti-littering messages.

F. Litter Weaknesses

Describe the weaknesses of your existing system to eliminate littering.

Lack of resources, including personnel, available outside of the normal daytime working hours for nighttime surveillance in enforcement of littering & illegal dumps.

Litterbugs are very difficult to catch as they typically do not litter in front of enforcement officials. SWCs do not have citation powers nor are they authorized to pull over vehicles.

Coordination between some jurisdictions to report and clean up litter and dumps.

More oversight needed for commercial waste management.

Boone has a need for increased participation with target groups such as High Schools, Middle Schools and others (provide a Green for Green" program at targeted events such as Homecoming where litter abatement, waste reduction and recycling be address) to target litter, recycling, etc.).

Boone has a need for more involvement from businesses.

G. Litter Action Plan

Detail specific actions or projects the county will complete during the 5-year update period to eliminate littering. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The Plan outlines various strategies for the successful elimination of litter. It especially points to meetings with various jurisdictions and agencies who act as stakeholders when targeting litter control.

- The NKSWMMA will continue existing litter cleanup and control programs as funding/feasibility permits as well as explore new avenues for cleanups as they develop.
- Investigate the feasibility of using personnel available outside of the normal daytime working hours for night time surveillance in enforcement of littering & illegal dumps.
- Investigate the need and feasibility of obtaining citation powers for Solid Waste Enforcement personnel
- Coordinate between all jurisdictions reporting and clean up of litter.
- Work with commercial entities to network and address commercial waste management
- Work with commercial entities to obtain support and involvement in litter control and abatement
- Increase participation with target groups such as High Schools, Middle Schools and others (provide a "Green for Green" program at targeted events such as Homecoming where litter abatement, waste reduction and recycling be address) to target litter, recycling, etc.).

Litter Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Continue existing cleanup programs as funding/feasibility permits and explore new avenues for cleanups as they develop- LITTER	Ongoing	01/2008	12/2012
2. Continue to utilize jail crews for cleanup of litter- LITTER	Ongoing	01/2008	12/2012
3. Identify “hot spots” for litter with focus on eliminating their use- LITTER	Ongoing	03/2008	12/2012
4. Promote cleanup opportunities/events to business and industry- LITTER	Annual	03/2008	12/2012
5. Work with commercial entities to obtain support and involvement in litter control and abatement - LITTER	Annual	03/2008	12/2012
6. Work with other jurisdictions within NKSWM to encourage reporting/cleaning of litter areas- LITTER	Ongoing	04/2008	12/2012
7. Explore passing ordinances to prohibit loose materials at construction sites- LITTER	Once	04/2010	12/2011
8. Investigate the feasibility of using personnel available outside of the normal daytime working hours for night time surveillance in enforcement of littering & illegal dumps- LITTER	Once	05/2010	12/2010
9. Increase participation with target groups such as High Schools, Middle Schools and others such as establishing a “Green for Green” program for targeted events such as Homecoming where litter abatement, waste reduction and recycling be addressed to target litter, recycling, etc. - LITTER	Once	07/2011	12/2012
10. Investigate the need and feasibility of obtaining citation powers for Solid Waste Enforcement personnel - LITTER	Once	09/2011	05/2012

Appendix 5.2: Litter ordinance or portion of ordinance pertaining to littering.

CHAPTER 6

SITING

A. Siting

1. Describe your county's current siting ordinance. *Attach a signed and dated copy of the current siting ordinance as Appendix 6.1.*

Boone and Kenton address siting within the solid waste ordinance. The solid waste management facility must register with the County, obtain an emergency permit, comply with environmental performance standards, be subject to inspections, and obtain local determination pursuant to KRS 224.40-315.

Campbell County has a siting ordinance. Section 5.1 of Ordinance 0-15-91 states that "Solid wastes shall be deposited at a processing facility or disposal area approved by the County and complying with all requirements of KRS 224.830, 224.835, 224.855 and the rules and regulations adopted thereunder."

2. Describe the siting procedures for your county. *Attach a copy of the siting procedures in the solid waste management area plan as Appendix 6.2.*

Siting procedure is as follows:

- Application with the county
- Environmental performance standards compliance review
- Public hearings and/or permits.
- Planning Commission approval may also be necessary.
- Local determination is necessary when siting any solid waste facility.

Each county within the NKSWM area has planning and zoning. These organizations must be contacted to determine zoning requirements before locating a facility within the NKSWM area.

Boone's zoning regulations address siting in sections 6.3 and 1131.

3. List any planned modifications to local ordinances or procedures.

None at this time

B. Siting Strengths

Describe the strengths of your existing siting ordinance.

All three counties have ordinances in place with guidelines for solid waste management facility siting.

All areas of NKSWM have zoning in place.

C. Siting Weaknesses

Describe the weaknesses of your existing siting ordinance.

The counties' siting ordinances reserve local determination on solid waste disposal facilities only rather than all solid waste management facilities. Zoning is controlled by differing agencies in various jurisdictions. CDD and non-registered Permit-by-Rule sites need to be addressed within the zoning regulations

D. **Siting Action Plan**

Detail specific actions or projects the county will complete to maintain or improve its siting procedures. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The county ordinances should be strengthened by allowing for a permit and local approval to be granted to operate a facility within county borders to transport, collect, store, process, manage, or dispose of any solid waste materials as defined in KRS 224.01-010

The counties will work with their respective Planning Commissions to address siting regulation as needed.

Each county will report to the counties of the NKSWMA of any zoning changes or proposals for change and will determine level of involvement.

Research the feasibility of changing zoning regulations to address CDD sites and non-registered permit-by-rule facilities.

Siting Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Routinely review and update siting procedures as needed- <u>SITING</u>	Annual	11/2008	12/2012
2. A side-by-side comparison of county siting ordinances shall be performed- <u>SITING</u>	Once	06/2009	11/2009
3. Research the feasibility of changing zoning regulations to address CDD sites and non-registered permit-by-rule facilities- <u>SITING</u>	Once	08/2010	02/2011

Appendix 6.1: Attach a signed and dated copy of the current siting ordinance.

Appendix 6.2: Attach a copy of the siting procedures from the county solid waste management plan.

CHAPTER 7

ENFORCEMENT

A. Enforcement Program

1. Describe your enforcement procedures and penalties to assure solid waste is properly managed and disposed for each of the following:

Attach a copy of the section of the ordinance or procedures pertaining to solid waste enforcement as Appendix 7.1.

- a. Non-participation in mandatory collection systems.

Kenton County has a mandatory collection ordinance. When a violation is found, the property owner is asked for proof of garbage collection. The Kenton SWC will also look for areas where non-participation is endemic. Enforcement of this ordinance is primarily complaint driven. Enforcement procedures for this ordinance mirror the procedures for illegal dump enforcement. Campbell and Boone have universal collection.

- b. Open Dumping. *Attach a copy of citation forms and/or form letters to violators as Appendix 7.2*

- c. Prevention and control of litter.

The NKSWM has a four-pronged approach to preventing litter—maintaining clean areas (cleanup), enforcement (working with law enforcement officials), education (SWCs and other working with the public and schools) and citizen involvement (reporting, volunteer opportunities, etc.). Numerous strategies have been utilized in the past. Signs, public service announcements on TV and radio, articles in newspapers/newsletters, as well as contacting law enforcement officials and members of the judiciary. The law enforcement community has agreed to do their share in enforcing all laws of the Commonwealth. County public works and/or detention crews as well as some community volunteers perform a great deal of the cleanup of litter on roadsides and, in some areas, waterways. Studies have shown that people are less likely to litter in areas that are clean.

2. Describe any surveillance/enforcement activities used by your county; i.e., neighborhood watches, hidden cameras, etc.

Due to the relatively urban nature of NKSWM, the neighbors are our best watchdogs. Residents generally don't tolerate homes that are not well cared for, including garbage or other blight issues. Dump watch program in place for citizen monitoring of dump locations. Surveillance cameras have also been used in NKSWM.

Any continual issues on a specific property are monitored on an ongoing basis by the solid waste coordinator, county public works, and/or municipal public works officials.

3. Do you use an Administrative Court for Solid Waste Issues? Yes No Provide the date the court went into effect. _____
4. Describe the operating procedures of the Administrative Court for Solid Waste Issues. *Attach a copy of the relevant documents or codes that relate to the Administrative Court as Appendix 7.3.*
The City of Florence uses a Code Enforcement Board; Boone and Campbell are investigating establishment of a Codes Enforcement Board.
5. If your county does not have an Administrative Court for Solid Waste Issues, do you plan to initiate an Administrative Court during this plan period? Yes No - **counties and cities are contemplating establishment of Code Enforcement Boards**
6. Describe any proposed modifications to your Open Dumping and Littering procedures/ordinances.
The solid waste Ordinances will be reviewed and, if deemed necessary, will be updated during the next 5 years.
7. Describe enforcement actions or procedures taken by the county if an item is found in an illegal dump with a name on it.
All three counties have taken an aggressive approach to finding names in illegal dumps.
All three counties regularly cooperate with neighboring counties in investigations.
Enforcement procedures are attached in Appendix 7.1

B. Enforcement Procedures Strengths

Describe the strengths of your existing enforcement procedures regarding open dumping, prevention and control of litter and non-participation in a mandatory collection system (if applicable).

The counties have come a long way since the last 5-year update was written. They have taken a more aggressive approach to identifying and cleaning up dumps and litter.

Specific procedures are in place at the county level, so that all parties are aware of their role in enforcement.

Much attention has been paid to dumps and litter in the media as a result of the attention paid from the state and Governor's office. Enforcement has been enhanced by greater public awareness and support.

C. Enforcement Procedures Weaknesses

Describe the weaknesses of your existing enforcement procedures regarding open dumping, prevention and control of litter and non-participation in a mandatory collection system (if applicable).

- Further coordination, and defining of jurisdictional roles, is needed between counties and cities in the NKSWM.
- Continued discussion is necessary with law enforcement in order to foster greater cooperation in enforcing litter and dump laws.
- Lack of a mechanism to deal with repeat offenders.
- Enforcement of mandatory garbage ordinance in Kenton County is complaint driven; registration and reporting requirements provided through HB174 should assist in determining participation of households in collection.
- Not all agencies (county & state) understand laws – need to educate (Fire Chiefs, Sheriff's Dept., Police Chiefs, District Judges, County Attorneys, State Troopers, etc.)
- Boone is seeking quicker enforcement procedures for bags of trash found on ROW with names in the trash
- Research the use of Code Enforcement Board
- Lack of training for enforcement officers (seek specific training in investigative techniques, dealing with difficult people, meth lab identification, etc.)
- *BOONE: need to share resources
- Need for establishment of a database to keep up with recurring offenders
- Landlord/tenant issues directly result in litter/dumping program; need for quicker enforcement process

D. Enforcement Action Plan

Detail specific actions or projects the county will complete to maintain or improve its Enforcement procedures. The action plan should reflect the county's efforts to improve the weaknesses and maintain or improve the strengths previously identified. The action plan should also incorporate responses to each numbered item in the chapter.

Action Plan

The three counties of the NKSWM have been very effective in the enforcement of open illegal dumps. The current system will continue for the next five years with modifications when needed. A Solid Waste Coordinator with enforcement powers that is not an elected official will hold the position in each county of the NKSWMA

Boone, Campbell, and Kenton counties all have ordinances specific to enforcement. The ordinances of the three counties are updated and currently sufficient to the needs of the NKSWM area. The ordinances are contained in this document in the appendix.

- Coordinate and define jurisdictional roles between counties and cities in the NKSWM.
- Continue discussion with law enforcement in order to foster greater cooperation in enforcing litter and dump laws.
- Develop a mechanism to deal with repeat offenders and approach court system.
- Continue to work with collection entities to determine participation in curbside collection which will provide for enforcement of mandatory garbage ordinance in Kenton County.
- Investigate quicker enforcement procedures for bags of trash found on ROW with names in the trash
- Research the use of Code Enforcement Board
- Seek training for enforcement officers (such as training in investigative techniques, dealing with difficult people, meth lab identification, etc.)
- Seek opportunities to share resources among all applicable agencies
- Investigate the feasibility of establishing a database to keep up with recurring offenders
- Investigate the feasibility of establishing policy to quickly address landlord/tenant issues

Enforcement Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Each county will continuously maintain a position of Solid Waste Coordinator that is not an elected official with enforcement powers – ENFORCEMENT	Ongoing	01/2008	12/2012
2. Work to strengthen relationships between counties and cities to foster greater cooperation in enforcing sw management laws – ENFORCEMENT	Ongoing	03/2008	12/2012
3. Continue to promote enforcement as a tool to maintaining a high quality of life standard in NKSWM – ENFORCEMENT	Ongoing	04/2008	12/2012
4. Routinely review and update enforcement procedures as needed, including side-by-side comparison of county enforcement ordinances– ENFORCEMENT	Once & Ongoing	06/2008	12/2012
5. Research the use of Code Enforcement Board – ENFORCEMENT	Once	06/2008	05/2009
6. Seek training for enforcement officers (such as training in investigative techniques, dealing with difficult people, meth lab identification, etc.) – ENFORCEMENT	Annual	06/2008	12/2012
7. Investigate the feasibility of establishing policy to quickly address landlord/tenant issues – ENFORCEMENT	Once	06/2008	12/2009
8. Seek opportunities to share resources among all applicable agencies – ENFORCEMENT	Annual	09/2008	12/2012
9. Work with collection entities to determine participation in curbside collection which will provide for enforcement of mandatory garbage ordinance in Kenton County – ENFORCEMENT	Annual	12/2008	03/2012
10. Address other enforcement entities (such as Sheriff's Dept., Code Enforcement, State Police, Field Office, etc.) to encourage enforcement of SW Management laws – ENFORCEMENT	Annual	10/2009	12/2012
11. Investigate the feasibility of establishing a database to keep up with recurring offenders – ENFORCEMENT	Once	05/2010	12/2010
12. Investigate the feasibility of developing a mechanism to deal with repeat offenders and approach court system – ENFORCEMENT	Once	06/2010	06/2011
13. Investigate quicker enforcement procedures for bags of trash found on ROW with names in the trash – ENFORCEMENT	Once	05/2011	12/2011

Appendix 7.1: Attach a copy of the section of the ordinance pertaining to enforcement.

Appendix 7.2: Attach a copy of citation forms and/or form letters to violators.

Appendix 7.3: Attach a copy of the relevant documents or codes that relate to the Administrative Court.

CHAPTER 8

PUBLIC PARTICIPATION/EDUCATION

Describe the public participation/education activities the county will complete to maintain or improve its Area Solid Waste Management Plan 5-year Update. Provide specific dates for the completion of the projects.

A. Collection Public Participation/Education Action Plan

The NKSWM will use the following methods to increase public participation and education in addressing the collection programs for plan years 2008-07.

The overall goal of the collection systems promoted by the NKSWM will have to follow the basic objective to promote the aesthetics of the community and the health and safety of the citizens by providing an environment free from the hazards and unpleasantness of uncollected refuse with the least possible citizen inconvenience and meeting the solid waste needs of the community.

Issue public service announcements about the haulers/services available to them in the NKSWM (what haulers service what cities and unincorporated county as well the services they offer.

Collection Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/ Year to Begin	Month/Year to Be Accomplished
1. County web pages; NKSWM Internet Web Page for collection – EDUCATION/COLLECTION	Ongoing	01/2008	12/2012
2. Newspaper Columns on various environmental topics such as collection – EDUCATION/COLLECTION	Monthly	01/2008	12/2012
3. Flyers and brochures will be distributed at special events explaining the need to participate in the collection systems – EDUCATION/COLLECTION	Ongoing	03/2008	12/2012
4. Cable program, which covers waste reduction and environmental topics in Northern Kentucky – EDUCATION/COLLECTION	Quarterly	03/2008	12/2012
5. NKSWM Resource Guide – EDUCATION/COLLECTION	Ongoing	03/2008	12/2012
6. Development of Public Service Announcements for T.V. and Radio on collection – EDUCATION/COLLECTION	Ongoing	03/2008	12/2012
7. Forming partnerships and supporting environmental educational programs provided by other organizations – EDUCATION/COLLECTION	Ongoing	03/2008	12/2012
8. Conducting workshops and presentations for citizen groups, schools, and businesses on environmental issues such as collection – EDUCATION/COLLECTION	Ongoing	04/2008	12/2012
9. Passing out information at local conventions, fairs, and carnivals on collection – EDUCATION/COLLECTION	Ongoing	08/2008	12/2012
10. NKSWM will conduct an education campaign to increase collection in unincorporated areas – EDUCATION/COLLECTION	Once	10/2008	04/2009

B. Disposal Public Participation/Education Action Plan

The NKSWM will continue to work on reducing the dependency of landfills, by reducing the size on the Area’s waste stream, maximizing Reduction, Reuse, and Recycling programs and providing solid waste disposal in a safe, environmentally sound, aesthetically acceptable manner, that meets the disposal needs of the NKSWM area.

Disposal Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. County web pages; NKSWM Internet Web Page on disposal – EDUCATION/DISPOSAL	Ongoing	01/2008	12/2012
2. Newspaper Columns on environmental topics such as disposal. – EDUCATION/DISPOSAL	Monthly	01/2008	12/2012
3. Flyers and brochures will be distributed at special events explaining the need to participate in the disposal systems – EDUCATION/DISPOSAL	Ongoing	03/2008	12/2012
4. Cable T.V. program, which covers waste reduction and environmental topics in Northern Kentucky – EDUCATION/DISPOSAL	Quarterly	03/2008	12/2012
5. NKSWM Resource Guide– EDUCATION/DISPOSAL	Ongoing	03/2008	12/2012
6. Development of Public Service Announcements for T.V. and Radio for disposal. – EDUCATION/DISPOSAL	Ongoing	03/2008	12/2012
7. Conduct workshops and presentations for citizen groups, schools, and businesses on environmental topics such as disposal. – EDUCATION/DISPOSAL	Ongoing	04/2008	12/2012
8. Information such as flyers, resources guides, etc. provided and distributed to citizens at county-wide cleanup events– EDUCATION/DISPOSAL	Ongoing	04/2008	12/2012
9. Form partnerships and support environmental educational programs provided by other organizations. – EDUCATION/DISPOSAL	Ongoing	06/2008	12/2012
10. Passing out information at local conventions, fairs, and carnivals on collection. – EDUCATION/DISPOSAL	Ongoing	08/2008	12/2012

C. Recycling/Reduction Public Participation/Education Action Plan

The NKSWM will work to increase participation in the recycling programs, educate on waste reduction, and encourage waste reduction/reuse/recycling to citizens, schools, government agencies, businesses, and industries in the following ways:

- *Promote the need and benefits of buy recycled in public education
- *Promote those local businesses that need materials in the recycling stream for their products (such as Signnode and others)
- * Promote “green” businesses and green products available to residents in NKSWM
- * Expand focus on reduce/reuse concepts

Recycling/Reduction Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. County web pages; NKSWM Internet Web Page on recycling. – EDUCATION/RECYCLING-REDUCTION.	Ongoing	01/2008	12/2012
2. Newspaper Columns on environmental topics such as recycling/reuse/reduction and rebuy. . – EDUCATION/RECYCLING-REDUCTION	Monthly	01/2008	12/2012
3. Flyers and brochures will be distributed at special events explaining the need to participate in the Reduce, Reuse, Recycling systems. – EDUCATION/RECYCLING-REDUCTION	Ongoing	03/2008	12/2012
4. Cable T.V. program, which covers waste reduction and environmental topics in Northern Kentucky. . – EDUCATION/RECYCLING-REDUCTION	Quarterly	03/2008	12/2012
5. NKSWM Resource Guide. . – EDUCATION/RECYCLING-REDUCTION	Ongoing	03/2008	12/2012
6. Development of Public Service Announcements for T.V. and Radio. . – EDUCATION/RECYCLING-REDUCTION	Ongoing	03/2008	12/2012
7. Continue to promote buying “green” or recycled content products in all sectors. – EDUCATION/RECYCLING-REDUCTION	Annual	03/2008	12/2012
8. Forming partnerships and supporting environmental educational programs provided by other organizations. . – EDUCATION/RECYCLING-REDUCTION	Ongoing	03/2008	12/2012
9. Conducting workshops and presentations for citizen groups, schools, and businesses on recycling. . – EDUCATION/RECYCLING-REDUCTION	Ongoing	04/2008	12/2012
10. Promote those local businesses that need materials in the recycling stream for their products (such as Signnode and others) – EDUCATION/RECYCLING-REDUCTION	Annual	05/2008	12/2012

	Promote “green” businesses and green products available to residents in NKSWMMA–			
11	EDUCATION/RECYCLING-REDUCTION	Annual	05/2008	12/2012
12	Provide education to curb contamination at recycling bins	Ongoing	05/2008	12/2012
	Advertise recycling opportunities; especially those in plastic bag recycling and “take your own bag” –			
13	EDUCATION/RECYCLING-REDUCTION	Annual	05/2008	10/2012
	Provide education on drop-box program to condos and apartments–			
14	EDUCATION/RECYCLING-REDUCTION	Annual	05/2008	09/2012
	Provide education on the “how to’s” and the “why’s” of recycling–			
15	EDUCATION/RECYCLING-REDUCTION	Ongoing	07/2008	12/2012
	Passing out information at local conventions, fairs, and carnivals. –			
16	EDUCATION/RECYCLING-REDUCTION	Ongoing	08/2008	12/2012
	Promote resident involvement programs such as “Freecycle, People-Powered,” etc. –			
17	EDUCATION/RECYCLING-REDUCTION	Annual	09/2008	12/2012
	Promote composting to citizens in a variety of ways including awareness, special sales, demonstration, etc. –			
18	EDUCATION/RECYCLING-REDUCTION	Annual	10/2008	12/2012
	Establish and promote New Year’s Resolution campaign to recycle –			
19	EDUCATION/RECYCLING-REDUCTION	Annual	11/2008	12/2012
	Emphasize recycling successes in business/industry–			
20	EDUCATION/RECYCLING-REDUCTION	Once	05/2009	05/2010
	Will attempt to supply information to real estate agents on solid waste management services, including recycling.			
21	EDUCATION/RECYCLING-REDUCTION	Once	06/2009	12/2009
	Will develop an awareness campaign for municipalities to utilize in promotion of their existing recycling programs. This may be developed by meetings with the service providers to allow for a pragmatic approach–			
22	EDUCATION/RECYCLING-REDUCTION	Once	07/2009	12/2010
	Promote buying reused and recycled products–			
23	EDUCATION/RECYCLING-REDUCTION	Once	05/2010	05/2011
	Will bolster efforts to promote second-hand organizations in the three-county area, helping the public to utilize these services. –			
24	EDUCATION/RECYCLING-REDUCTION	Once	07/2010	12/2010

D. Open Dump/Litter Public Participation/Education Action Plan

The NKSWM will use the following methods to increase public participation and education in addressing the litter and illegal dumping programs for plan years 2008-07

Open Dump/Litter Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. Publish phone numbers and contact information regularly to report dump on county and state level – EDUCATION/DUMPS-LITTER	Ongoing	01/2008	12/2012
2. County web pages; NKSWM Internet Web Page for open dumping and litter. – EDUCATION/DUMPS-LITTER	Ongoing	01/2008	12/2012
3. Newspaper Columns on environmental topics such as litter and dumping. – EDUCATION/DUMPS-LITTER	Monthly	01/2008	12/2012
4. Flyers and brochures will be distributed at special events explaining the need to participate in the litter and illegal dump cleanup programs. – EDUCATION/DUMPS-LITTER	Ongoing	03/2008	12/2012
5. Cable T.V. program, which covers dumping and environmental topics in Northern Kentucky. – EDUCATION/DUMPS-LITTER	Quarterly	03/2008	12/2012
6. NKSWM Resource Guide. – EDUCATION/DUMPS-LITTER	Ongoing	03/2008	12/2012
7. Development of Public Service Announcements for T.V. and Radio. – EDUCATION/DUMPS-LITTER	Ongoing	03/2008	12/2012
8. Forming partnerships and supporting environmental educational programs provided by other organizations. – EDUCATION/DUMPS-LITTER	Ongoing	03/2008	12/2012
9. Countywide cleanup event advertising– EDUCATION/DUMPS-LITTER	Semi-Annually	03/2008	12/2012
10. Conduct awareness campaign specifically addressing litter. – EDUCATION/DUMPS-LITTER	Annual	03/2008	12/2012
11. Conducting workshops and presentations for citizen groups, schools, and businesses. – EDUCATION/DUMPS-LITTER	Ongoing	04/2008	12/2012
10. Passing out information at local conventions, fairs, and carnivals– EDUCATION/DUMPS-LITTER	Ongoing	08/2008	12/2012
11. Dump Watch program to identify dumps. – EDUCATION/DUMPS-LITTER	Ongoing	09/2008	12/2012
12. Conduct awareness campaign specifically addressing dumping – EDUCATION/DUMPS-LITTER	Annual	10/2008	12/2012

E. Enforcement Public Participation/Education Action Plan

The NKSWM will use the following methods to address the illegality and increase public participation and education in the enforcement of illegal dumping for plan years 2008-07:

Enforcement Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. County web pages; NKSWM Internet Web Page – EDUCATION/ENFORCEMENT	Ongoing	01/2008	12/2012
2. Newspaper Columns on environmental topics such as enforcement. – EDUCATION/ENFORCEMENT	Monthly	01/2008	12/2012
3. Flyers and brochures will be distributed at special events explaining the need to participate in the enforcement systems, the illegality of open dumping, and penalties associated with illegal dumping– EDUCATION/ENFORCEMENT	Ongoing	03/2008	12/2012
4. Cable T.V. program, which covers enforcement and environmental topics in Northern Kentucky. – EDUCATION/ENFORCEMENT	Quarterly	03/2008	12/2012
5. NKSWM Resource Guide– EDUCATION/ENFORCEMENT	Ongoing	03/2008	12/2012
6. Forming partnerships and supporting environmental educational programs provided by other organizations. – EDUCATION/ENFORCEMENT	Ongoing	03/2008	12/2012
7. Conducting workshops and presentations for citizen groups, schools, and businesses on topics such as enforcement. – EDUCATION/ENFORCEMENT	Ongoing	04/2008	12/2012
8. Passing out information at local conventions, fairs, and carnivals on enforcement. – EDUCATION/ENFORCEMENT	Ongoing	08/2008	12/2012
9. Development of Public Service Announcements for T.V. and Radio. – EDUCATION/ENFORCEMENT	Ongoing	09/2008	12/2012
10. Promote enforcement through ad campaign (who to call, etc.) – EDUCATION/ENFORCEMENT	Annual	10/2008	12/2012
11. Educate court system (District Judges, County Attorneys, Codes Enforcement Boards, etc.) regarding enforcement within the NKSWM– EDUCATION/ENFORCEMENT	Once	05/2010	12/2011
12. Educate cities on open dump laws– EDUCATION/ENFORCEMENT	Once	10/2011	10/2012

F. Siting Public Participation/Education Action Plan

The NKSWM will use the following methods to increase public participation and education in addressing the siting of new facilities for plan years 2008-07

Siting Public Participation/Education Implementation Schedule

The implementation schedule should reflect an aggressive approach with all activities.

List specific actions detailed in the Action Plan and the specific time frames for the action.	Frequency	Month/Year to Begin	Month/Year to Be Accomplished
1. NKSWM Resource Guide with a listing of contact phone numbers for information on siting a new facility. – EDUCATION/SITING	Ongoing	04/2009	12/2012
2. Flyers and brochures distributed at special events explaining the procedures in siting a new facility. – EDUCATION/SITING	Once	07/2011	07/2012
3. NKSWM Internet Web Page to include a section covering the siting procedures for each county, as well as on each county page. – EDUCATION/SITING	Once	08/2011	12/2012

CHAPTER 9

FINANCIAL MECHANISMS

A. Financial Mechanisms

1. Check all items that apply for the funding of your Solid Waste Program.

Line Item in County Budget Collection franchise fees 109 Taxing Board
 General Fund Host agreement fees (Boone) Other: (List below)

2. The Solid Waste Coordinator's position is funded by what source?

Line Item in County Budget Collection franchise fees 109 Taxing Board
 General Fund Host agreement fees Other: (List below)

3. List all fees/revenues collected by local government for solid waste management. Examples of fees/revenue are: fees charged for disposal facilities under KRS 68.178; fees charged by local government for garbage collection; 109 taxes, franchise and/or permit fees charged by local government; fees charged at transfer stations or convenience centers if owned by local government; and revenue received from the sale of recyclables.

Type of Fees/Revenue:	Anticipated Amounts Collected				
	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
Waste Mgmt. Facilities KRS 68.178 (license fee)	122,252	122,252	122,252	122,252	122,252
Municipal Garbage Collection (city and/or county)	7,306,850	7,306,850	7,306,850	7,306,850	7,306,850
Franchise fee					
Permit fee	25.0	25.0	25.0	25	25.
Transfer station	7,937.00	7,937.00	7,937.00	7,937.00	7,937.00
Convenience center					
109 or other tax					
Proceeds from sale of recyclables	16,301	16,301	16,301	16,301	16,301
Landfill user fees					
Host Agreement					
General Revenue					
Eastern Kentucky PRIDE					
Bluegrass PRIDE					
State illegal dump grants					
State litter abatement grants	268,000.	268,000.	268,000.	268,000.	268,000.
Other: : Contracted Services (Boone receives funds from Campbell & Kenton Counties for contracted services to administer the NKSWMA for FY 2007)	30,000.00	30,000.00	30,000.	30,000.00	30,000.00
Total Amount Anticipated	7,751,365	7,751,365	7,751,365	7,751,365	7,751,365

4. Provide the following information on anticipated expenditures during the 5-year update period.

	Anticipated Expenditures/Budget				
	1st Year	2nd Year	3rd Year	4th Year	5th Year
Capital Expenditures					
Personnel	166,051	166,051	166,051	166,051	166,051
Collection	7,306,850	7,306,850	7,306,850	7,306,850	7,306,850
Disposal	115,967	115,967	115,967	115,967	115,967
Enforcement					
Open Dumps	31,815	31,815	31,815	31,815	31,815
Litter Cleanups	453,044	453,044	453,044	453,044	453,044
Education Activities	14,788	14,788	14,788	14,788	14,788
Recycling Costs/Expenses	52,484	52,484	52,484	52,484	52,484
Other Expenditures: Contracted Services (Kenton & Campbell Counties paid Boone for contracted services to administer the NKSWMA FY 2006)	30,000	30,000	30,000	30,000	30,000
Other Expenditures: Boone Misc. Expenses	3,537	3,537	3,537	3,537	3,537
Other Expenditures: Kenton: Curbside/Home Pickup Program for Debris	19,880	19,880	19,880	19,880	19,880
Total Costs	8,360,467	8,360,467	8,360,467	8,360,467	8,360,467