



Illinois  
Environmental  
Protection Agency

Bureau of Land  
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## FIVE YEAR MUNICIPAL WASTE MANAGEMENT PLAN UPDATE

The Agency has prepared this form to assist local governments with the five year updates of municipal waste (MW) plans. Although local governments may prepare and submit a more extensive document, the Agency will consider submission of this completed form to be the plan update required under the Solid Waste Planning and Recycling Act (SWPRA).

Attach additional labeled pages as necessary.

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### GENERAL INFORMATION

Local Government: Madison County

Contact Person: Leah Dettmers

Address: 157 N. Main St., Suite 254

P.O. Box: \_\_\_\_\_

City: Edwardsville State: IL Zip: 62025

Telephone: 618-296-2666 Plan Adoption Date: June 20, 1990

Re-Adoption Date: April 29, 1991 Plan Update Due: 2011

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### 1. Recommendation and Implementation Schedule Contained in the Adopted Plan

This information should be easily accessible in the plan's Executive Summary or Recommendations chapter. Briefly describe the recommendations and implementation schedule for each alternative in the adopted plan below.

a. Source Reduction

Source reduction activities were planned and developed that promote the reduction of the amount of waste generated. The primary goal involves educational activities targeted at the residential, institutional, and business sectors of our municipal waste generation. The implementation schedule called for the development of these activities immediately.

b. Recycling and Reuse

The plan outlined several recycling and reuse activities including the development of residential curbside recycling programs, commercial and institutional recycling, drop off recycling, the development of a material recovery facility, and educational activities. The implementation schedule called for the development of these programs targeted at recycling 15% of the waste stream by the third year and 25% by the fifth year.

c. Combustion for Energy Recovery

The plan called for the development of a waste-to-energy facility. It was suggested that more than one facility could be developed. Each county was to be responsible for the evaluation of the need for waste-to-energy facilities to accommodate disposal of waste generated within its boundaries. If an acceptable agreement could be worked out, then a joint effort could be pursued. The implementation schedule was to begin within three years to determine the feasibility of developing such a facility. Once the feasibility was determined, a three year implementation schedule was to be followed to develop the facility.

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d. Combustion for Volume Reduction

Combustion for volume reduction was not recommended as part of the plan.

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e. Disposal in Landfills

The plan anticipated the need to develop new landfill capacity once existing capacity is depleted. The plan outlined the process and criteria for developing a landfill but did not commit the three counties to implementation. The need and time table for pursuing this was to be determined later.

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2. **Current Plan Implementation Efforts**

a. Which recommendations in the adopted plan have been implemented?

Source reduction and recycling recommendations of the plan have been implemented. Programs and activities promoting recycling and reduction in waste generated have been developed. See Attachment "C" for additional information on recycling implementation. The county has not participated in the development of new landfill capacity. This has occurred in the private sector, however, through the expansion of the Allied/Republic Roxana landfill in Madison County, the Waste Management Milam landfill, and the Cottonwood Hills landfill in St. Clair County.

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Briefly describe which recommendations were not implemented and the reasons why these were not implemented.

The waste to energy provision of the plan has not been implemented. The county has yet to determine the development of a facility to be feasible. Low disposal costs at local landfills, ample landfill space, the lack of viable energy markets, the reluctance of elected officials to assume high financial risks in developing a facility, and the lack of flow control authority are some of the reasons the county has not pursued this.

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- b. Which recommendations in the adopted plan have been implemented according to the plan's schedule?

Briefly describe which recommendations were not implemented according to the adopted plan's schedule, and attach a revised implementation schedule.

The source reduction and recycling and reuse recommendations of the plan have generally been implemented according to the plan's schedule. Some of the recommendations have been modified and programs and activities changed to better reflect need and practicability. The overall intent of the recommendations, however, has been met according to the schedule through the development of a comprehensive source reduction and recycling/reuse program by the fifth year of implementation of the plan. The waste-to-energy recommendation of the plan was not implemented. As mentioned previously and elsewhere in this update, the county's ability to develop such a facility has changed since the original adoption of the plan. The development of a landfill has also not been implemented. The original plan called for a possible joint development of a landfill by the three counties when it was determined that new landfill capacity was needed. Due to landfill expansions and a proposed new landfill in Marissa, it has yet to be determined that the three counties need to engage in the development of a landfill.

3. **Recycling Program Status**

Because the Agency's annual landfill capacity report includes data on each adopted plan's recycling status, information on your recycling percentages is not being requested on this form. This will avoid duplication of efforts.

- a. Has the program been implemented throughout the county or planning area:  
 yes       no
- b. Has a recycling coordinator been designated to administer the program?  
 yes       no      If yes, when? June 1991
- c. Does the program provide for separate collection and composting of leaves?  
 yes       no
- d. Does the recycling program provide for public education and notification to foster understanding of and encourage compliance with the program?  
 yes       no
- e. Does the recycling program include provisions for compliance, including incentives and penalties?  
 yes       no      If yes, please describe.

The current recycling program includes provisions for compliance through annual residential waste hauling licenses. All residential waste haulers of Madison County must comply with the Madison County Residential Recycling Ordinance (1995) and provide all requested information on contracts/clients as well as generation data. Haulers must also submit public outreach and educational material along with a residential waste/recycling violation notice. All single and two dwelling homes in Madison County are provided a recycling container via their residential hauler at no cost. The recycling program also provides matching grant funding to assist all municipalities to purchase larger containers for residential recycling.

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

yes       no      If yes, please describe.

Madison County's program includes provisions for recycling collected material through three regional Material Recovery Facilities. Each MRF markets those commodities collected in Madison County and have expanded their commodities list substantially in the past five years. The program also provides incentives for schools and municipalities to purchase products made of recycling material via grant funding and educational outreach.

- g. Provide any other pertinent details on the recycling program.

The residential recycling rate has been exceeding the 25% benchmark as many municipalities are contracting automated 65 gallon container programs with haulers. Municipal recycling rates are now rising to due to the volume allowance as well as public education that is provided as a requirement of IL DCEO and intra-county funding.

4. **Current Needs Assessment Information (optional)**

Depending upon the available resources, updated waste generation data, current municipal waste recycling and disposal information, and any other recent available data may be included; this information will not be required by the Agency.

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|----|------------------------|--------------------|--|--------------------------------------|
| a. | MW generated per year: | <u>401,014.754</u> | <input checked="" type="checkbox"/> tons | <input type="checkbox"/> cubic yards |
| b. | MW generation rate:    | <u>8.16</u>        | pcd (lbs/capita/day)                     |                                      |
| c. | MW recycled/year:      | <u>158,991</u>     | tons                                     |                                      |
| d. | MW incinerated/year:   | <u>NA</u>          | <input type="checkbox"/> tons            | <input type="checkbox"/> cubic yards |
| e. | MW landfilled/year:    | <u>NA</u>          | <input type="checkbox"/> tons            | <input type="checkbox"/> cubic yards |

Time period for this information: January 1, 2010-December 31, 2010

5. **New Recommendations and Implementation Schedule**

Due to political, fiscal, or technological changes, a local government may choose to recommend different waste management options for the review plan. It should be noted, however, that the recycling program requirements of the SWPRA must be followed. Discuss any new recommendations included in the revised plan, and the implementation schedule to be followed.

There have been extensive changes in our recommendations due to the changing fiscal climate of both state and county. Due to budget constraints, the solid surface program for municipalities/schools is no longer offered through our program, but still focuses on grant funding for recycling projects that directly divert waste out of the landfill and act as matching funds for IL DCEO grants. The paint program, tire collection, and hazardous waste events have also will be temporarily halted due to insufficient state and county

funds, but will now focus on consumer-based education on product stewardship and local waste disposal resources. Although some programs will be changed, other programs have now been implemented. The Smart Rx Disposal Program has been operated since 2008 and allows residents to dispose of all pharmaceuticals wastes at five, local law enforcement agencies at no cost. The recycling drop-offs sites have also been expanded to eight locations serving multi-family and small businesses. The Allied/Republic MRF, located at the Roxana Landfill, has been closed since November 2008 due to a fire, but recycling efforts have still remained strong among county objectives due to three larger MRF's located in St. Louis that have expanded their acceptable commodities since 2006. Madison County will also be producing a Sustainability Plan to be implemented in the spring of 2012 that will include a formalization of solid waste goals/updates. This plan will focus on all aspects of solid waste and recycling programs as well as a complete renovation of its website and a brand new social media page that will be live in April 2011.

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