



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601

MAY 08 2009

ROD R. BLAGOJEVICH, GOVERNOR RENEE CIPRIANO, DIRECTOR

FIVE YEAR MUNICIPAL WASTE MANAGEMENT PLAN UPDATE

REVIEWER MD

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).

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Attach additional labeled pages as necessary.

DEC 06 2004

GENERAL INFORMATION

IEPA/BOL

Local Government: Effingham County Health Department
Contact Person: Donna Overbeck
Address: 901 West Virginia Avenue, P.O. Box 685, Effingham, IL 62401
Telephone: 217-342-9237
Re-Adoption Date:
Plan Adoption Date: 12-19-94
Plan Update Due: 12-19-04

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

Speakers are available to the general public as well as schools and other parties. Educational material is made available. Displays are available and used at parades, etc. (See attachment 4-2 & 4-3)

b. Recycling and Reuse

Support local recycling efforts. Support a transfer station to transport recyclable material to a regional out-of-county processing facility. Implement recycling in Effingham County on a much larger scale.

(See attachments 4-4 & 4-5)

c. Combustion for Energy Recovery

Host an IEPA sponsored tire collection upon its availability to Effingham County. (See attachment 4-6)

d. Combustion for Volume Reduction

Continue current level of incineration for burn barrel and landscape waste as well as small scale incineration in the commercial sector. (See attachment 4-7)

e. Disposal in Landfills

Continue the current level of landfill disposal at Landfill 33 and ERC Landfill. (See attachment 4-8)

2. **Current Plan Implementation Efforts**

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

Information, education and assistance are provided upon request. Opportunities for training workshops and newsletter are forwarded to interested teachers. we are on IEPA's waiting list to co-sponsor one-day household hazardous waste collections. (See attachment 6-4)

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

- 1) A promotional campaign has not been actively pursued, however, some articles are still published.
- 2) Counseling is available, but has not been requested.
- 3) Recycling product procurement guidelines have not been developed due to the diversified nature of each county office.
- 4) Mandated county wide recycling has not been implemented but may be as soon as extra revenue becomes available.

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

See 2 A

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

See 2 B

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? _____
- 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.

No new data available. Effingham County does not mandate

a recycling program; however, voluntary recycling is

increasing private recycling businesses accept newspaper,

magazines, office paper, cardboard, metal and plastic.

- 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.

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

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.

- a. MW generated per year: _____ tons _____ cubic yards
 - b. MW generation rate: _____ pcd (lbs/capita/day)
 - c. MW recycled/year: _____ tons
 - d. MW incinerated/year: _____ tons _____ cubic yards
 - e. MW landfilled/year: _____ tons _____ cubic yards
- Time period for this information: _____

4. **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.

No new recommendations at this time.

TABLE 11

| SOURCE REDUCTION ALTERNATIVE SYSTEMS (Effingham County) | | | |
|---|---|--|--|
| Year | Alternative A | Alternative B | Alternative C |
| 1 | <p>Establish a local speakers bureau to provide programs to the general public that focus on "source reduction" measures at the individual and household levels.</p> <p>Present educational programs at selected schools and selected grade levels.</p> <p>Implement a clearinghouse for the distribution of educational materials.</p> <p>Implement a promotional campaign to encourage source reduction utilizing radio, newspaper and television.</p> <p>Assist schools in planning solid waste education activities for special events such as fairs, contests, plays, art projects, etc.</p> | <p>Same programs listed in Alternative A plus:</p> <p>Prepare portable displays promoting solid waste management activities for presentation in public places and at community events.</p> | <p>Same programs listed in Alternative B plus:</p> <p>Establish a teacher planning commission.</p> <p>Develop recycled product procurement guidelines for implementation in Effingham County and Municipal governmental offices.</p> |

TABLE 11

| SOURCE REDUCTION ALTERNATIVES (Effingham County) | | | |
|--|--|--|---|
| Year | Alternative A | Alternative B | Alternative C |
| 2-4 | Expand the local speakers bureau and develop outlines for a variety of programs for presentation to local organizations. | <p>Coordinate clearinghouse operations with reference materials sources at local libraries throughout Effingham County.</p> <p>Implement mailing and/or newsletter programs.</p> <p>Implement model in-house source reduction programs for selected local governmental offices.</p> <p>Provide counseling to commercial businesses on methods they can implement to reduce the amount of waste they generate.</p> <p>Provide financial assistance to schools through County and/or State grants to help fund the development and implementation of solid waste management education.</p> <p>Expand the presentation of solid waste educational programs to Effingham County schools.</p> | <p>Develop a County-wide solid waste education curriculum with the aid of the teacher planning commission.</p> <p>Offer teacher training workshops.</p> <p>Expand the number of clearinghouse locations.</p> <p>Implement a telephone hotline program.</p> <p>Prepare promotional materials such as pamphlets, brochures, buttons, stickers, etc. for distribution at community and county-wide events.</p> <p>Establish an awards program format for giving public acknowledgement of outstanding accomplishments by individuals, businesses, and organizations in the area of solid waste management.</p> <p>Implement model in-house source reduction programs for selected commercial businesses.</p> <p>Develop recycled product procurement guidelines for implementation in commercial businesses.</p> <p>Implement volume based refuse collection in conjunction with residential curbside recycling programs</p> |
| 5-10 | No additional programs. | No additional programs. | <p>Expand the scope of material available at clearinghouse locations, including new formats such as video tapes, slide programs, "canned" programs with emphasis on local conditions.</p> <p>Implement a local waste exchange program in conjunction with existing State programs targeted at the commercial and industrial sectors.</p> <p>Expand promotional campaigns to encourage source reduction utilizing radio, newspaper, and television.</p> |
| 11-20 | No additional programs. | No additional programs. | No additional programs. |

TABLE 12

| RECYCLING/COMPOSTING ALTERNATIVE SYSTEMS (Effingham County) | | | |
|---|---|--|--|
| Year | Alternative A | Alternative B | Alternative C |
| 1 | <p>Continue drop-off and buy-back activities.</p> <p>Continue commercial in-house recycling programs.</p> <p>Continue wood chip recycling programs.</p> <p>Continue recycling activities associated with community clean-up programs.</p> <p>Continue used tire recycling programs.</p> <p><i>Recyclable material to be processed and marketed by existing in-county and out-of-county private processing facilities.</i></p> | <p><u>Same programs listed in Alternative A plus:</u></p> <p>Implement single-item recycling drives.</p> <p>Assist commercial businesses in implementing and/or expanding in-house recycling programs.</p> | <p><u>Same programs listed for Alternative B.</u></p> |
| 2-4 | <p>Assist with implementation and/or expansion of recycling activities associated with community clean-up programs.</p> | <p>Implement a county-wide drop-off program.</p> <p>Implement drop-off sites throughout Effingham County for the collection of landscape waste.</p> <p>Implement C/D debris recycling activities.</p> <p>Support the cooperative marketing efforts of in-county and out-of-county (or regional) recyclable material processing facilities.</p> <p>Export landscape waste to an out-of-county landscape waste compost or land application facility.</p> <p><i>Expand the in-county recyclable material processing facilities.</i></p> | <p>Implement traditional curbside recycling programs in selected communities.</p> <p>Implement curbside collection of landscape waste in selected communities.</p> <p><i>Build a new in-county recyclable material processing facility.</i></p> <p><i>Build an in-county landscape waste compost facility.</i></p> |

TABLE 12

| RECYCLING/COMPOSTING ALTERNATIVE SYSTEMS (Effingham County) | | | |
|---|-------------------------|---|---|
| Year | Alternative A | Alternative B | Alternative C |
| 5-10 | No additional programs. | Encourage expansion and/or implementation of C/D debris recycling programs. Export C/D debris to an out-of-county C/D debris recycling facility. <i>Build a new transfer station for the transfer of recyclable material to a regional out-of-county processing facility.</i> | Export waste to an out-of-county mixed waste MRF. |
| 11-20 | No additional programs. | Export waste to an out-of-county mixed municipal waste compost facility. | <i>Build an in-county mixed waste MRF. Build an in-county C/D debris recycling facility. Build an in-county mixed municipal waste compost facility.</i> |

- General Notes:
1. Solid waste management programs are shown in regular type.
 2. Solid waste management facilities are shown in **bold italic** type.

TABLE 13

| WASTE-TO-ENERGY INCINERATION ALTERNATIVE SYSTEMS (Effingham County) | | | |
|---|--|---|---|
| Year | Alternative A | Alternative B | Alternative C |
| 1 | Implement the collection of used tires for export to an out-of-county WTE incineration facility. | Same programs listed in Alternative A | Same programs listed for Alternative A |
| 2-4 | No additional programs. | Expand the collection of used tires for export to an out-of-county WTE incineration facility. | Monitor the development and/or expansion of small scale WTE incineration facility operations within South Central and/or Central Illinois. Pursue closure of small scale WTE incineration facilities operating within Effingham County without the proper State permits. |
| 5-10 | No additional programs. | Direct haul general refuse to an out-of-county WTE incinerator or RDF processing facility. | <i>Build a new transfer station for the transport of general refuse to an out-of-county WTE incinerator or RDF processing facility.</i> |
| 11-20 | No additional programs. | No additional programs. | <i>Add RDF processing to the in-county mixed waste MRF if such a facility should become operational.</i> |

- General Notes:
1. Solid waste management programs are shown in regular type.
 2. Solid waste management facilities are shown in **bold italic** type.

TABLE 14

| VOLUME REDUCTION INCINERATION ALTERNATIVE SYSTEMS (Effingham County) | | | |
|--|--|---|---|
| Year | Alternative A | Alternative B | Alternative C |
| 1 | <p>Continue current level of burn barrel usage.</p> <p>Continue current level of landscape waste volume reduction incineration.</p> <p>Continue existing level of small scale volume reduction incineration in the commercial sector.</p> <p>Continue the current level of C/D debris volume reduction incineration.</p> | <p>Same programs listed in Alternative A</p> | <p>Same programs listed in Alternative A</p> |
| 2-4 | <p>No additional programs.</p> | <p>Evaluate existing regulations on burn barrel usage and revise as needed.</p> <p>Increase enforcement of burn barrel usage regulations.</p> | <p>Evaluate existing regulations on landscape waste incineration and revise as needed.</p> <p>Increase county-level enforcement of landscape waste incineration regulations.</p> <p>Evaluate existing C/D debris incineration regulations and revise as needed.</p> <p>Increase enforcement of C/D debris incineration regulations.</p> <p>Monitor the development and/or expansion of small scale volume reduction incineration facilities.</p> <p>Pursue closure of small scale volume reduction incineration facilities within Effingham County that do not have the proper State permits.</p> |
| 5-10 | <p>No additional programs.</p> | <p>No additional programs.</p> | <p>No additional programs.</p> |
| 11-20 | <p>No additional programs.</p> | <p>No additional programs.</p> | <p>No additional programs.</p> |

- General Notes:**
1. Solid waste management programs are shown in regular type.
 2. Solid waste management facilities are shown in *bold italic* type.

TABLE 15

| LANDFILL DISPOSAL ALTERNATIVE SYSTEMS (Effingham County) | | | |
|--|--|---|---|
| Year | Alternative A | Alternative B | Alternative C |
| 1 | Continue the current level of landfill disposal at Landfill #33 in City of Effingham (<i>see note a.</i>) Continue the current level of landfill disposal at ERC Landfill in City of Charleston (<i>see note b.</i>) | Same programs listed in Alternative A | Same programs listed in Alternative A |
| 2-4 | No additional programs. | Same programs listed in Alternative A | Same programs listed in Alternative A |
| 5-10 | No additional programs. | Same programs listed in Alternative A | Construct a new transfer station(s) in the four-county region and increase the level of export of waste to out-of-county landfills. |
| 11-20 | If ERC Landfill reaches capacity and closes, use Landfill #33 for all landfill disposal. If ERC Landfill expands their capacity, continue the existing levels of landfill disposal at both Landfill #33 and the ERC Landfill. | Expand landfill capacity of Landfill #33 beyond its present permitted capacity. | Construct a new landfill in the four-county region |

General Notes: 1. Solid waste management programs are shown in regular type.

2. Solid waste management facilities are shown in *bold italic type*.

Note a: Landfill #33 is located in Effingham County and has an estimated remaining capacity of 27 years (from 1992).

Note b: ERC Landfill is located in Coles County and has an estimated remaining capacity of 15 years (from 1992).

TABLE 16 - RECOMMENDED WASTE MANAGEMENT PLAN - EFFINGHAM CO.

| Yr. | SOURCE REDUCTION | RECYCLING/COMPOSTING | WASTE-TO-ENERGY INCINERATION | VOLUME REDUCTION INCINERATION | LANDFILL DISPOSAL |
|-----|--|---|--|--|--|
| 1 | <p>Implement a clearinghouse for the distribution of educational materials</p> <p>Implement a promotional campaign to encourage source reduction utilizing newspaper, radio, and television</p> <p>Implement a local speakers bureau to provide programs to the general public that focus on source reduction and other waste management issues at the individual and household levels</p> <p>Present solid waste educational programs at selected schools and selected grade levels</p> <p>Assist schools in planning solid waste education activities for special events such as fairs, contests, plays, art projects, etc.</p> <p>Assist in the design and implementation of an awards program for giving public recognition to individuals, businesses, and/or organizations for outstanding accomplishments in the area of waste management</p> | <p>Support the continuation of drop-off and buy-back operations</p> <p>Support the continuation of recycling activities associated with community clean-up programs</p> <p>Support the continuation of landscape waste compost and land application programs</p> <p>Support the continuation of wood chip recycling programs</p> <p>Support the continuation of commercial in-house recycling programs</p> <p><i>Support the continued use of existing in-county and out-of-county private processors to process and market recyclable material</i></p> | <p>The export of used tires to out-of-county WTE incineration facilities is expected to continue and is likely to increase</p> <p>Consider supporting the preparation of a feasibility study pertaining to the export of waste to a WTE incinerator or RDF processing facility</p> | <p>Burn barrel usage is expected to continue</p> <p>Landscape waste volume reduction incineration is expected to continue</p> <p>C/D debris volume reduction incineration is expected to continue</p> <p><i>The operation of permitted small scale volume reduction incineration facilities in the commercial sector is expected to continue</i></p> | <p>Support the continued disposal of Effingham County waste at in-county and out-of-county landfills</p> |

TABLE 16 - RECOMMENDED WASTE MANAGEMENT PLAN - EFFINGHAM CO.

| Yr. | SOURCE REDUCTION | RECYCLING/COMPOSTING | WASTE-TO-ENERGY INCINERATION | VOLUME REDUCTION INCINERATION | LANDFILL DISPOSAL |
|-----|---|---|---|---|---|
| 2-4 | <p>Expand the local speakers bureau and develop outlines for a variety of programs for presentation to local organizations programs</p> <p>Expand the promotional campaign to encourage source reduction by increasing the utilization of local radio, newspaper, and television</p> <p>Expand the presentation of solid waste educational programs to schools</p> <p>Assist with the implementation of in-house source reduction programs for local governmental offices</p> <p>Provide counseling to commercial businesses concerning methods they can adopt to reduce the amount of waste they generate</p> <p>Develop recycled product procurement guidelines for use in County and Municipal governmental offices</p> <p>Develop recycled product procurement guidelines for implementation in the commercial/industrial sectors</p> | <p>Implement single-item recycling drives</p> <p>Assist with the implementation and/or expansion of recycling activities associated with community clean-up programs</p> <p>Assist commercial businesses in implementing and/or expanding in-house recycling programs</p> <p>Support cooperative marketing efforts of recycling facilities in the area</p> <p><i>Support the expansion of private in-county and out-of-county recyclable material processing facilities</i></p> | <p>No additional programs or facilities</p> | <p>No additional programs or facilities</p> | <p>No additional programs or facilities</p> |

TABLE 16 - RECOMMENDED WASTE MANAGEMENT PLAN - EFFINGHAM CO.

| Yr. | SOURCE REDUCTION | RECYCLING/COMPOSTING | WASTE-TO-ENERGY INCINERATION | VOLUME REDUCTION INCINERATION | LANDFILL DISPOSAL |
|-------|--|--------------------------------------|---------------------------------------|--------------------------------------|--|
| 5-10 | Establish a teacher planning commission and assist with curriculum development Assist schools in conducting teacher training workshops on solid waste education Implement a mailing and/or newsletter program Assist in the implementation of a local waste exchange program to coordinate with the existing State program targeted at commercial, institutional and industrial sectors Support the implementation of a one-day IEPA co-sponsored household hazardous waste collection program | No additional programs or facilities | No additional programs or facilities. | No additional programs or facilities | No additional programs or facilities |
| 11-20 | No additional programs | No additional programs or facilities | No additional programs or facilities | No additional programs or facilities | <i>Support the expansion of Landfill #33 beyond its present permitted capacity</i> |

General Notes:

1. Waste management programs are shown in regular type.
2. Waste management facilities are shown in *italic type*.
3. In accordance with the Solid Waste Planning and Recycling Act, "Each county waste management plan shall be updated and reviewed every 5 years, and any necessary or appropriate revisions shall be submitted to the Agency (IEPA) for review and comment."