

APPENDIX A

ADDITIONAL INFORMATION

REGARDING THE

SELECTED

SYSTEM

EVALUATION OF RECYCLING

The following provides additional information regarding implementation and evaluations of various components of the Selected System.

The St. Clair County Resource Recovery Office currently manages eight recycling drop-off sites which service unincorporated areas of the county. At the time of publishing these locations included:

- Burtchville Twp. – Township Hall
- China Twp. – Township Hall
- Clay Twp. – Harsens Island Fire Department
- Clay Twp. – Township Hall
- Fort Gratiot Twp. – Department of Public Works
- Ira Twp. – Township Hall
- Kimball Twp. – Smiths Creek Landfill
- Memphis – Department of Public Works

Residents may bring material to these drop off locations to be recycled. While these drop-off sites are located throughout the County not all residents use them. Many residents take advantage of curbside recycling offered by the waste hauler who services them. Some communities contract for curbside recycling in addition to the waste collection services they offer. Currently, there are Ten communities with curbside recycling available to residents in conjunction with the municipal contract for waste collection: Algonac, Marine City, Marysville, Port Huron, St. Clair, Yale, China Twp., Cottrellville Twp., East China Twp., and Ira Twp.

Commercial and industrial customers contract individually with private haulers to collect recyclables. The larger commercial and industrial businesses in the County recycle many items, particularly cardboard, paper, and metal (iron and steel). Recycling costs money and many items are not cost-effective from a business perspective. In short, if an item is cost-effective to recycle, the larger manufacturers are probably doing it already. However, the small and medium sized businesses do not usually participate because they are not as familiar with recycling opportunities or do not have sufficient volume of recyclables to qualify for attractive rates.

Curbside yard waste collection is available in at least eight communities. While the individual household in some of these communities contracts for curbside yard waste collection, it is part of the municipal contract for solid waste collection in the remaining communities. Some communities (like Clay Twp.) operate their own yard waste disposal/composting programs. These include the efforts of communities like the City of Marysville that provides for Christmas Tree recycling seasonally.

In addition to its recycling and educational efforts, the St. Clair County Resource Recovery Office also manages a Household Hazardous Material Drop Off Site at Smiths Creek

Landfill. This service is available to county residents on an appointment basis. In addition to the Household Hazardous Material Drop Off Site which the Resource Recovery Office Manages, it also maintains up-to-date inventories of Businesses and organizations that provide similar services.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

List below the types and volumes of material available for recycling or composting.

According to the United States Environmental Protection Agency (EPA), national averages show the following breakdown of what is in Municipal Solid Waste (MSW).

Material Category:	EPA Average	St. Clair County Residential/Commercial Waste, tons	St. Clair County Average Amount, tons
Paper	38%	168,651	64,087
Yard Trimmings	18%	168,651	30,357
Metals	8%	168,651	13,492
Plastic	8%	168,651	13,492
Glass	7%	168,651	11,806
Food Waste	7%	168,651	11,806
Other	14%	168,651	23,611

The following briefly describes the processes used or to be used to select the equipment and locations of the recycling and composting programs included in the Selected System. Difficulties encountered during past selection processes are also summarized along with how those problems were addressed:

Equipment Selection

Existing Programs:

The process of equipment selection is handled mostly by the private sector in St. Clair County. The notable exception to this is the selection of recycling drop-off bins operated by the St. Clair County Resource Recovery Office. Approximately ten years ago, St. Clair County purchased eight, custom-made, 30 cubic yard roll off containers. One container was purchased by a five-township coalition (Lynn, Mussey, Emmet, Berlin and Riley).

Proposed Programs:

There are no proposed programs for equipment selection. It will remain the choice of the operators of the facilities as to what equipment is used.

Site Availability & Selection

Existing Programs:

Many communities in St. Clair County use private waste haulers to provide curbside recycling and composting services to their residents. The private waste haulers utilize their own recycling facilities for the most part. The private owners of these facilities

determined the process used to select the sites for these facilities.

The eight custom-made, 30 cubic yard roll-off containers operated by the St. Clair County Resource Recovery Office are located at their respective Township Halls and Department of Public Works. The exception is the container located at Smiths Creek Landfill.

There are two private composting facilities in St. Clair County that are used by private haulers. Composting facilities are not required to be licensed by the MDEQ or NREPA Act 115, but they must meet local ordinances and have local site plan approval. Although not required, the MDEQ will do an advisory analysis of the site to determine how suitable the land is for a facility of this sort, if requested by the local government.

Proposed Programs:

None.

Composting Operating Parameters:

The following identifies some of the operating parameters which are to be used or are planned to be used to monitor the composting programs.

Existing Programs:

<u>Program Name:</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
<u>Techni-Comp Environmental</u>	<u>7 – 7.2</u>	<u>~ 131° F</u>	<u>aerated 1-2 times a week in summer and fall; biweekly in winter</u>	<u>N./A.</u>
<u>Indian Summer¹</u>	<u>7.1-7.4</u>	<u>~ 140° F</u>	<u>Piles are turned Three times a Year.</u>	<u>Accepts ~ 35,000 tons per year Of which only 5000 tons are from St. Clair County</u>

Proposed Programs:

<u>Program Name</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
<u>Howards Transfer And Reclamation Facility</u>	<u>N./A.</u>	<u>N./A.</u>	<u>N./A.</u>	<u>N./A.</u>

¹ Finished compost product is available to Casco Twp. residents at no charge (for personal use).

COORDINATION EFFORTS:

Solid Waste Management Plans need to be developed and implemented with due regard for both local conditions and the state and federal regulatory framework for protecting public health and the quality of the air, water, and land. The following states the ways in which coordination will be achieved to minimize potential conflicts with other programs and, if possible, to enhance those programs.

It may be necessary to enter into various types of agreements between public and private sectors to be able to implement the various components of this solid waste management system. The known existing arrangements are described below which are considered necessary to successfully implement this system within the County. In addition, proposed arrangements are recommended which address any discrepancies that the existing arrangements may have created or overlooked. Since arrangements may exist between two or more private parties that are not public knowledge, this section may not be comprehensive of all the arrangements within the County. Additionally, it may be necessary to cancel or enter into new or revised arrangements as conditions change during the planning period. The entities responsible for developing, approving, and enforcing these arrangements are also noted.

Ultimate responsibility for the St. Clair County solid waste management program rests with the St. Clair County Board of Commissioners. The county owns Smiths Creek Landfill, administers the Resource Recovery Office, requires waste haulers to be licensed and adopts the Monitoring and Enforcement Mechanism to enforce the plan.

The Board of Commissioners has appointed the Metropolitan Planning Commission (SCCMPC) as the Designated Planning Agency (DPA). In carrying out the duties of DPA, the SCCMPC provides staff support to the Solid Waste Management Planning Committee. There is no role of approval by the SCCMPC in this process. The Solid Waste Management Planning Committee serves that function and will continue.

The Health Department shares monitoring and enforcement responsibilities under the plan and adopts the monitoring and enforcement contained in this plan. (Appendix E)

MEMORANDUM OF UNDERSTANDING

Solid Waste Management Planning Process

This Memorandum of Understanding (MOU), entered into this date of February 18, 1998, by and between, the St. Clair County Solid Waste Management Planning Committee, hereinafter referred to as the "COMMITTEE", and the St. Clair County Metropolitan Planning Commission, hereinafter referred to as the "DESIGNATED PLANNING AGENCY" or "DPA", for the purpose of identifying the roles and responsibilities of the parties in agreeing to cooperate in the St. Clair County's solid waste management planning process.

The Michigan Department of Environmental Quality, Waste Management Division, under authority of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451, as amended, have issued the following requirements to guide Michigan counties in the preparation of an updated solid waste management plan. This MOU is not intended to replace any of Part 115 or its Administrative Rules.

Pursuant to Section 11533, the County Board of Commissioners shall appoint a Committee to assist the agency designated to prepare the plan. The term of appointment for the COMMITTEE is two years. The COMMITTEE shall consist of 14 members. Of the members appointed, four (4) shall represent the solid waste management industry, two (2) shall represent environmental interest groups, one (1) shall represent county government, one (1) shall represent city government, one (1) shall represent township government, one (1) shall represent the regional solid waste planning agency (SEMCOG), one (1) shall represent industrial waste generators, and three (3) shall represent the general public. A member appointed to represent a county, city or township government shall be an elected official of that government or the designee of that elected official. Vacancies shall be filled in the same manner as the original appointments. A member may be removed for non-performance of duty. The role of the COMMITTEE is to be a policy body in this process which directs drafting of the plan, approves the plan and recommends the plan to the County Board of Commissioners.

Pursuant to Section 11533, Rule 702(1), the County Board of Commissioners shall appoint the DPA who is responsible for the plan preparation. The duties of the DPA are specified in both sections of the law and the rules (Section 11535 and Rules 706, 707, 711[g]). These duties include:

- arrange and hold meetings of the COMMITTEE
- hold public hearings on the draft plan
- publish public notices
- do research and gather information and public comments necessary to prepare the plan
- draft plan materials and documents

- mail notices and plan materials as necessary
- maintain a central repository for public review of plan materials
- maintain mailing lists
- conduct all public participation activities.

In carrying out these duties, the DPA provides staff support to the COMMITTEE. The St. Clair County Metropolitan Planning Commission (SCCMPC) operates under the State Enabling Legislation and is charged with the responsibility of comprehensive planning for the county. The County Board of Commissioners appropriates funds to staff the SCCMPC's annual work program which consists of six full-time employees. Inasmuch as staff is responsible for duties comparable to what has and continues to be required for the drafting of the solid waste management plan, it is appropriate that the staff which serves the St. Clair County Metropolitan Planning Commission can serve the staff functions of the DPA.

There is no role of approval by the SCCMPC in this process. The COMMITTEE serves that function and will continue.

Therefore, the COMMITTEE, not the SCCMPC serves as the policy body in the preparation and drafting of the solid waste plan. By designating the SCCMPC as the DPA, it is implicit that the staff of the SCCMPC will function as staff to the COMMITTEE and there will be no approval authority on behalf of the SCCMPC.

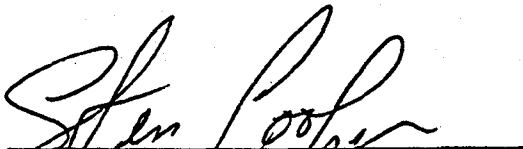
Attest:



Ted Frantz, Chairperson
Solid Waste Management Planning Committee

2-26-98

Date



Steven Cooper, Chairperson
St. Clair County Metropolitan Planning Commission

2-18-98

Date

COSTS & FUNDING:

The following estimates the necessary management, capital, and operational and maintenance requirements for each applicable component of the solid waste management system. In addition, potential funding sources have been identified to support those components.

Calculation of the costs of some of the various components is not possible due to the number of private agencies and businesses providing the services. Agencies and businesses tend to absorb the cost of performing these tasks without the knowledge of their specific cost.

System Component¹	Estimated Costs	Potential Funding Sources
<u>Resource Conservation Efforts</u>	N/A.	Resource Recovery Programs
<u>Resource Recovery Programs</u>	\$170,000/yr	Fee (\$.25/yd ³ Smiths Creek Landfill)
<u>Volume Reduction Techniques</u>	\$60,000/yr	Use of paper mill sludge in place of virgin material for Alternative Daily Cover.
<u>Collection Processes</u>	N/A.	Private Haulers
<u>Transportation</u>	N/A.	St. Clair County Road Commission
<u>Disposal Areas</u>	1. \$3,051,000/yr 2. N/A.	1. Smiths Creek Landfill 2. Range Road Property (Type III) Detroit Edison
<u>Future Disposal Area Uses</u>	N/A.	Landfill Tipping Fees.
<u>Management Arrangements</u> DPA Staff	\$75,000/yr	SCCMPC dept. fund.
<u>Educational & Informational Programs</u>	N/A.	Resource Recovery Programs

¹ These components and their subcomponents may vary with each system.

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

The solid waste management system has been evaluated for anticipated positive and negative impacts on the public health, economics, environmental conditions, siting considerations, existing disposal areas, and energy consumption and production which would occur as a result of implementing this Selected System. In addition, the Selected System was evaluated to determine if it would be technically and economically feasible, whether the public would accept this Selected System, and the effectiveness of the educational and informational programs. Impacts to the resource recovery programs created by the solid waste collection system, local support groups, institutional arrangements, and the population in the County in addition to market availability for the collected materials and the transportation network were also considered. Impediments to implementing the solid waste management system are identified and proposed activities which will help overcome those problems are also addressed to assure successful programs. The Selected System was also evaluated as to how it relates to the Michigan Solid Waste Policy's goals. The following summarizes the findings of this evaluation and the basis for selecting this system:

The Goals and Objectives of the St. Clair County Solid Waste Management Plan can be effectively achieved with a continuation of the present day solid waste management practices employed by some of the County's municipalities and by adoption of similar approaches by the remaining communities. With an increased focus on resource conservation, waste reduction, pollution prevention and recycling by all of the County's waste generators including residents, businesses and industries, the County can meet its goal of reducing the quantity and volume of solid waste that must be disposed of in landfills.

The selected solid waste management system is technically and economically feasible. All of the major components including collection, transportation, disposal, recycling, and composting are proven technologies and have been accepted by the public.

The positive and negative impacts of the selected system are evaluated below:

Effects on Public Health and the Environment

One of the primary goals of the selected solid waste management system is to "Protect public health and the environment from the adverse effects of improper solid waste collection, transportation, processing and disposal. The means by which this goal will be met are as follows:

- Promote solid waste practices that avoid adverse effects on the public health and environment.
- Assure that all non-hazardous solid waste generated in St. Clair County is collected and recovered, processed, or disposed of at facilities which comply with state laws and rules governing location, design and operation.
- Identify sufficient disposal capacity to accommodate the solid waste generated in St. Clair County for a 10-year planning period.
- Develop a county wide inspection program for solid waste collection vehicles.
- Promote the county household hazardous waste drop-off/collection program.
- Encourage municipalities to explore contracting with a single hauler for

residential pick up of solid waste, recyclables and yard waste with in the municipality.

The selected plan, which places an emphasis on resource recovery, relies solely on sanitary landfills for final disposal of waste. Historically, land disposal of solid waste at "dumps" produced negative effects on public health and the environment due to leakage, blowing papers, and vermin. Modern landfill design features such as composite liner systems, leachate collection systems and improved operational methods to reduce blowing papers and vermin have addressed these conditions.

Any increase in materials diverted from landfills by recycling and composting programs will extend the remaining life of sanitary landfills and reduce the public health and environmental impacts by reducing the amounts of certain types of materials entering landfills.

The transition from Household Hazardous Waste Collection Days to Household Hazardous Materials Collection by appointment offers county residents a year-round solution to household hazardous waste disposal. This change in operational methods will help remove household hazardous wastes from the waste stream and prevent them from going to a landfill.

Economics

While landfilling remains the most cost-effective method of solid waste disposal, improperly designed or operated landfills can prove costly due to off-site migration of leachates and landfill gases. Smiths Creek landfill currently meets State regulation. .

Included in tipping fees at Smiths Creek Landfill that cover short and long term operational costs, is a dedicated resource recovery fee. The money collected by this fee funds the Resource Recovery Program. The Resource Recovery Program currently funds:

- Resource Recovery Efforts
- Volume Reduction Techniques
- Educational & Informational Programs

A common goal of the Resource Recovery Program and the Solid Waste Management Plan is to reduce the quantity and volume of County's solid waste stream that must be disposed of in landfills. Because recycling markets may fluctuate up and down, recycling and resource recovery may not necessarily be the most cost-effective waste component. St. Clair County residents may be willing to pay a little more for these components of the solid waste management system because of the obvious benefits. Self-sufficiency is a critical part of the plan. The flow control provisions of the plan assists in assuring the disposal and resource recovery components of the plan can be adequately funded.

Siting Considerations

Regarding existing or potential problems with sanitary landfills it should be noted that under strict State requirements many of the problems associated with the old-type "dumps" are gone. A sanitary landfill can be an environmentally acceptable method of disposal. However, landfills can be extremely difficult to site due to public opposition and the need to locate an environmentally sound site. St. Clair County has more than ten years of disposal capacity identified in this plan (15 years current capacity and 33 future capacity) and does not need to site a new landfill. As the need arises to expand the existing engineering plans at Smiths Creek Landfill, this Plan has identified three potential scenarios of expansion (pg. III-35).

Composting operations and recycling facilities are not subject to the licensing provisions under NREPA Part 115. This plan has identified those operations in the county that are currently composting and recycling. It is not this Plan update's intent to prohibit additional programs or expansion of current programs to be implemented beyond those listed.

Existing Disposal Areas

The selected solid waste management system identifies two landfills and one transfer station/processing plant to provide disposal capacity for the five and ten year planning periods. Therefore, no new solid waste disposal areas are included in this Plan. However, possible future expansion of Smiths Creek Landfill is recognized by this Plan.

Energy Consumption and Production

The selected solid waste management system uses a lot of energy in the form of fuel consumption to run all of the collection routes. Through coordinated efforts and new hauling technologies much of the duplication, which leads to increased energy consumption, can be eliminated. For example, energy savings may be incurred if municipalities hire a single hauler to handle all residences in the municipality. This would eliminate multiple haulers covering the same routes.

Sanitary landfills represent a potential loss of energy recovery of combustible materials. Title 5, of the Federal Clean Air Act of 1990 will require all Type II Landfills that exceed a certain level of landfill gas generation, to incorporate some sort of gas recovery system. This Plan encourages studies into the feasibility of methane gas recovery for energy production at Smiths Creek Landfill.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM:

Each solid waste management system has pros and cons relating to its implementation within the County. Following is an outline of the major advantages and disadvantages for this Selected System.

ADVANTAGES:

1. The selected solid waste management system is technically and economically feasible.
2. All of the major components of the selected solid waste management system including collection, transportation, disposal, recycling and composting are proven technologies and have been accepted by the public.
3. Selected system identifies opportunities to increase educational materials and public awareness of resource recovery.
4. Selected system identifies programs for collection of household hazardous materials.
5. Selected system is limited to two landfills which minimizes the potential for groundwater contamination from numerous sites.
6. Selected system identifies several composting and recycling components which preserve landfill space.

DISADVANTAGES:

1. Relies on landfilling as the only disposal method.
2. Overlapping collection routes by competing haulers is inefficient
3. Selected system does not provide for energy capture or production.
4. The cost of recycling is high and the market for recyclables is unpredictable.
5. Lack of information database to evaluate waste alternatives available to county.

APPENDIX B

NON-SELECTED

SYSTEMS

NON SELECTED SYSTEMS

Before selecting the solid waste management system contained within this Plan update, the County developed and considered other alternative systems. The details of the non-selected systems are available for review in the County's repository. The following section provides a brief description of these non-selected systems and an explanation why they were not selected. Complete one evaluation summary for each non-selected alternative system.

The 1990 St. Clair County Solid Waste Management Plan identified the St. Clair County Landfill Alternatives Study Committee, which studied long-range solutions for the disposal of the County's solid waste and investigated resource recovery options for the Solid Waste Management Planning Committee to use in the Plan Update process. This committee was the resulting merger of two former groups: Resource Recovery Task Force formed in 1983 to focus on system alternatives to landfilling, and Landfill Alternatives Committee formed by County Commissioners in 1985, to complement the above task force and establish a strong working relationship with Commissioners.

The 1983 St. Clair County Solid Waste Management Plan and the 1990 St. Clair County Solid Waste Management Plan provided detailed descriptions of various alternative strategies for the solid waste management. These alternative strategies included waste reduction strategies, waste reuse strategies, household hazardous waste management strategies, composting strategies, recycling strategies, and incineration, with energy recovery strategies. The Alternative Strategies sections of these two documents evaluated several solid waste management components in detail. The advantages and disadvantages of the Waste-to-Energy component was discussed as well as the: technical feasibility; economic feasibility; access to land; environmental impacts and public acceptability. The 1990 Solid Waste Management Plan recommended that the County:

1. Support feasibility studies related to incineration, regional or otherwise in scope i.e., establish some provision to finance a study, or inception of a regional incinerator;
2. monitor the experiences of other communities with operating incinerators, specifically Jackson County, Kent County and Detroit;
3. aim toward the objective that landfill tipping fees reflect the real cost of landfill disposal.

Based on a comparison with present landfill tipping fees, this Plan concludes that incineration is not currently feasible for St. Clair County as an alternative to landfill disposal. Economies of scale may foster the development of a regional facility.

APPENDIX C

PUBLIC PARTICIPATION AND APPROVAL

PUBLIC PARTICIPATION

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The following summarizes the processes which were used in the development and local approval of the Plan including a summary of public participation in those processes, documentation of each of the required approval steps, and a description of the appointment of the solid waste management planning committee along with the members of that committee.

Responsible Party for Publishing Public Notices:

St. Clair County Metropolitan Planning Commission
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
Phone: (810) 989-6950
Fax: (810) 987-5931

PUBLIC PARTICIPATION

PUBLIC INVOLVEMENT PROCESS: A description of the process used, including dates of public meetings, copies of public notices, documentation of approval from solid waste planning committee, County board of commissioners, and municipalities.

The Solid Waste Management Planning Committee began holding regular meetings in July of 1998 to begin work on the Update to the Solid Waste Management Plan. Prior to the ninety-day public review period, the Solid Waste Management Planning Committee held a series of 14 public meetings to direct drafting of the Solid Waste Management Plan. Meetings were held on the fourth Monday of the month, at 3:00p.m. in the second-floor meeting rooms of the New St. Clair County Building. Meetings were announced in the Port Huron Times Herald and local radio stations. Meeting notices and agendas were mailed monthly to representatives from all cities, villages and townships in the county. Meeting notices and agendas were also sent to County Commissioners, representatives from surrounding counties and other interested parties.

Public Meeting Schedule		
Date	Time	Location
July 27, 1998	3:00 pm	SCCMPC Offices (library)
September 28, 1998	3:00 pm	Meeting Room A, New County Building
October 26, 1998	3:00 pm	Meeting Room A, New County Building
November 23, 1998	3:00 pm	Meeting Room B, New County Building
January 25, 1999	3:00 pm	Meeting Room B, New County Building
February 22, 1999	3:00 pm	Meeting Room B, New County Building
March 29, 1999	3:00 pm	Meeting Room B, New County Building
April 26, 1999	3:00 pm	Meeting Room A, New County Building
May 24, 1999	3:00 pm	Meeting Room A, New County Building
June 28, 1999	3:00 pm	Meeting Room A, New County Building
August 9, 1999	3:00 pm	Meeting Room A, New County Building
August 30, 1999	3:00 pm	Meeting Room A, New County Building
January 31, 2000	3:00 pm	Meeting Room A, New County Building
February 28, 2000	3:00 pm	Meeting Room A, New County Building
June 12, 2000	7:00 pm	Board of Commissioners' Room, New County Building (Public Hearing)
June 13, 2000	7:00 pm	Capac High School Library (Public Hearing)
June 14, 2000	3:30 pm	Algonac City Council Room (Public Hearing)
July 12, 2000	3:00 pm	Meeting Room A, New County Building
July 31, 2000	3:00 pm	Meeting Room A, New County Building

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

Pursuant to Section 11533, the County Board of Commissioners shall appoint a Committee to assist the agency designated to prepare the plan. The term of appointment for the Solid Waste Management Planning Committee ('COMMITTEE') is two years. The COMMITTEE shall consist of 14 members. Of the members appointed, four (4) shall represent the solid waste management industry, two (2) shall represent environmental interest groups, one (1) shall represent county government, one (1) shall represent city government, one (1) shall represent township government, one (1) shall represent the regional solid waste planning agency (SEMCOG), one (1) shall represent industrial waste generators, and three (3) shall represent the general public. A member appointed to represent a county, city or township government shall be an elected official of that government or the designee of that elected official. Vacancies shall be filled in the same manner as the original appointments.

The County began the process of updating the current plan in February of 1998 when the St. Clair County Board of Commissioners filed their Notice of Intent to prepare the Update to the Plan with the Michigan Department of Environmental Quality. The Board of Commissioners named the Metropolitan Planning Commission as the designated planning agency (DPA) at this time. The Solid Waste Management Planning Committee, which has been in existence since 1981, began holding regular plan update meetings in July of 1998. Vacancies on the committee have been filled by the Board of Commissioners as they have occurred.

PUBLIC PARTICIPATION

PLANNING COMMITTEE

Committee member names and the company, group, or governmental entity represented from throughout the County are listed below.

Four representatives of the solid waste management industry:

1. Ted Frantz, Chairperson, Pro Environmental Services
2. Aberdeen Howard, Howard Solid Waste Transfer & Reclamation Facility
3. Matthew Lewandowski, City of Port Huron
4. Randy Teufel, Detroit Edison Company

One representative from an industrial waste generator:

1. Stephen J. Bentley, Domtar Industries, Inc.

Two representatives from environmental interest groups from organizations that are active within the County:

1. Michele Biernot-Kinna, Residents Against Trash That Stinks (RATTS)
2. Catherine Cumbow, Citizens For Alternative Chemical Contamination

One representative from County government. All government representatives shall be elected officials or a designee of an elected official.

1. Lee Masters, County Commissioner

One representative from township government:

1. Patricia Iseler, Clerk, Columbus Township

One representative from city government:

1. Timothy Klunder, City Manager, Algonac

One representative from the regional solid waste planning agency:

1. Amy Mangus, SEMCOG

Three representatives from the general public who reside within the County:

1. Karen Holk, Citizen
2. Robert Lixey, Citizen
3. Janice Littlefield, Citizen

**Solid Waste
Management
Planning Committee
Meeting Notices &
Agendas**

NOTICE OF MEETING

ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

Monday, July 27, 1998

**3:00 p.m. - North Side of New County Building
200 Grand River Avenue, Suite 202, Port Huron, MI 48060**

TENTATIVE AGENDA

- I** Call Meeting to Order
- II** Roll Call
- III** Citizens Wishing to Address the Committee
- IV** Communications 1 - 24
- V** Minutes of February 2, 1998 25 - 30
- VI** Old Business
 - a. Five Year Plan Revision Update Verbal Report
 - b. City of Port Huron Waste Transfer Site Request Update ... Verbal Report 31-32
 - c. Macomb County Survey Form 33 - 36
 - d. Techni-Comp Environmental - Request for Consistency 37 - 42
 - e. Techni-Comp Environmental - DEQ Test Results of "Cakes"
 - f. Request to Remove Fort Gratiot Landfill from the Plan Verbal Update
 - g. Resolution 98-06 Opposing HB 5284 43 - 44
 - h. Senate Bill 4 45 - 46
 - i.
- VII** New Business:
 - a. Draft Time Line for Update of Solid Waste Plan 47 - 50
 - b. 1998 Hauler's Survey 51 - 54
 - c. 1998 Township, City and Village Survey 55 - 59
- VIII** Other Business
- IX** Next Scheduled Meeting
- X** Adjournment



Committee members are requested to call 989-6950 and advise if they are unable to attend the meeting. Thank you.

PLEASE NOTE: The meeting will be held on the 2nd Floor of the new county building, (north side) Planning Department.

NOTICE OF MEETING

ST. CLAIR COUNTY
SOLID WASTE MANAGEMENT PLANNING COMMITTEE
200 GRAND RIVER AVENUE, SUITE 202
PORT HURON MI 48060
3:00 P.M. *9/23/98*

1. **Call Meeting to Order**
2. **Roll Call**
3. **Citizens Wishing to Address the Committee**
4. **Communications ACTION ITEM 1-16**
5. **Minutes**
 - A. **July 27, 1998 ACTION ITEM 17- 21**
6. **Old Business**
 - A. **HB 5284 Verbal update**
 - B. **Senate Bill 4 Verbal update**
 - C. **City of Port Huron Waste Transfer Site Request Update 22-23**
 - D. **Enforcement Mechanism (MESA Mailing List Application) Verbal Update**
 - E. **Request to Remove Fort Gratiot Landfill from the Plan Verbal Report**
 - F. **Time Line Review 24-25**
 - G. **Overview of 1998 Plan Update Verbal Report**
7. **New Business**
 - A. **1999 Plan Update**
 - a. **Waste Generation/Quantity 26**
 - b. **Demographics 27-30**
 - c. **Land Development 31**
 - d. **Solid Waste Disposal Areas 32**
 - e. **Solid Waste Facility Descriptions 33-39**
8. **Other Business**
 - A. **Proposed Work Agreement for Legal Services (Action Requested) 40-43**
9. **Next Scheduled Meeting**
 - A. **October 26, 1998**
10. **Adjournment (Action)**
.....

☎ Committee members are requested to call 989-6950 if they are unable to attend the meeting. Thank you.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron Mi 48060

October 26, 1998

MONDAY

3:00 P.M.

1. Call Meeting to Order
2. Roll Call
3. Approval of Agenda
4. Citizens Wishing to Address the Committee
5. Communications 1 - 8
6. Minutes To be presented at meeting
A. September 28, 1998
7. Old Business
A. Review of Recent Legislative Activity on Part 115 of Act 451 Verbal Report
B. Database 9 - 10
C. Demographics 11 - 18
D. Land Development 19 - 20
8. New Business
A. Discussion of Plan Goals and Objectives 21 - 22
B. Application-Determination of Consistency with Plan 23 - 36
C. Anchor Recycling Request for Inclusion in the Plan Discussion
9. Other Business
A. Report from Counsel on Disposal Facility Designation Verbal
10. Next Scheduled Meeting
Due to the Thanksgiving holiday, there are two possible dates for the next meeting. One is Monday, November 23, or November 30. Committee members, please check your calendar so you can vote on which date to meet.
11. Adjournment

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend the meeting should call 989-6950, three days prior to said meeting.

Committee Members: PLEASE CALL 989-6950 if you are unable to attend the meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

November 23, 19998

MONDAY

3:00 P.M.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Citizens Wishing to Address the Committee**
4. **Communications** ACTION ITEM1 - 8
5. **Minutes**
 - A. September 28, 1998 ACTION ITEM (no quorum at last mtg.)..... 9-12
 - B. October 26, 1998 Action Item (to be presented at meeting)
6. **Old Business**
 - A. Database 13
 - B. Demographics14- 18
7. **New Business**
 - A. By-Laws Revision 19-34
 - B. Anchor Recycling Facility Designation Request Verbal
 - C. Enforcement Mechanism (MESA Mailing List Application) update. .Verbal
 - D. Discussion of Plan Goals and Objectives35-38
8. **Next Scheduled Meeting**
 - A. December 21, 1998 (proposed)
9. **Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend the meeting should call 989-6950, three days prior to said meeting.

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Committee Members: PLEASE CALL 989-6950 if you are unable to attend the meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

January 25, 1999

MONDAY

3:00 P.M.

1. Call Meeting to Order
2. Roll Call
3. Elect Secretary **ACTION ITEM** 1-4
4. Citizens Wishing to Address the Committee
5. Communications **ACTION ITEM** 5-22
6. Minutes **ACTION ITEM** 23-26
 - A. November 23, 1998
7. Old Business
 - A. By-Laws Revision **(Action Requested)** 27-32
 - B. Anchor Recycling Facility Designation Request Update Verbal Report
8. New Business
 - A. City of Memphis Resolution **(Action Requested)** 33-40
 - B. Import/Export Authorization 41-44
 1. Huron County Ash Disposal
 2. Sanilac County Contingency Agreement
 3. Macomb County Contingency Agreement
 4. Sanilac County export (MDEQ Decision)
9. Other Business 45
 - A. Goals and Objectives (SWOT Discussion)
10. Next Scheduled Meeting
11. Adjournment

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

Committee Members: PLEASE CALL 989-6950 if your are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060


February 22, 1999

MONDAY

3:00 P.M.

1. Call Meeting to Order
2. Roll Call
3. Introduction of New Committee Members
4. Citizens Wishing to Address the Committee
5. Communications ACTION ITEM
6. Minutes ACTION ITEM
 - A. January 25, 1999
7. Old Business
 - A. Recognition of Earl Sands
 - B. City of Memphis Resolution
 - C. Enforcement Mechanism
 - D. Import/Export Authorization Update
- E. New Business
 - A. Alternative Daily Cover Materials Price Reduction Recommendation to Board of Commissioners
 - B. Goals and Objectives Advisory Committee Update
9. Other Business
10. Next Scheduled Meeting
11. Adjournment

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting. _____

 Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

March 29, 1999

MONDAY

3:00P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. February 22, 1999
- 6. Old Business**
 - A. Howard Solid Waste Transfer and Reclamation Center Letter of Consistency
 - B. Alternative Daily Cover (ADC) Price Reduction Recommendation - Recommendation to St. Clair County Board of Commissioners for price reduction of materials suitable for use as ADC at Smiths Creek Landfill
 - C. Import/Export Authorization Update
 - D. Goals and Objectives Update
- 7. New Business**
 - A. Facility Siting Process Discussion
 - B. Presentation by Larry O'Keefe, Landfill Manager - Smiths Creek Landfill
 - C. MDEQ Report of Solid Waste Landfilled in Michigan - 10/1/97 - 9/30/98
- 8. Other Business**
- 9. Next Scheduled Meeting**
- 10. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.
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☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

April 26, 1999

MONDAY

3:00 P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. March 29, 1999
- 6. Old Business**
 - A. Goals and Objectives Update
 - B. Import Export Authorization Update
Review of meeting of Import/Export Authorization
Discussion Group
- 7. New Business**
 - A. Facility Siting Process Discussion
- 8. Other Business**
- 9. Next Scheduled Meeting**
- 10. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☞ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

May 24, 1999

MONDAY

3:00P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. April 26, 1999
- 6. Old Business**
 - A. Goals and Objectives Update
 - B. Facility Siting Process Update
- 7. New Business**
 - A. Facility Inclusion Process
 - B. Management Component
- 8. Other Business**
 - A. Time Line Review
- 9. Next Scheduled Meeting**
- 10. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue, Suite 202
Port Huron, MI 48060

June 28, 1999

MONDAY

3:00P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. May 24, 1999
- 6. Old Business**
 - A. Goals and Objectives Update
 - B. Facility Inclusion Process
 1. Public Notice
 2. Direct Mail Notice
 - a. Mailing list
 - b. Certified mail return receipts
 - c. Confirmation of Halkias phone call
- 7. New Business**
 - A. Facility Inclusion Application
- 8. Other Business**
- 9. Next Scheduled Meeting**
- 10. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
New County Building, Meeting Room A

August 9, 1999

MONDAY

3:00P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. June 28, 1999
- 6. Old Business**
 - A. Facility Inclusion Applications
 1. Smiths Creek Sanitary Landfill
 2. Range Road Ash Disposal Facility
 3. Howard Solid Waste Transfer & Reclamation Facility
 4. Anchor Recycling Inc.
 5. Techni-Comp Resource Recovery
 6. Fruit Road Facility
- 7. New Business**
 - A. Facility Need Assessment
- 8. Other Business**
- 9. Next Scheduled Meeting**
- 10. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
New County Building, Meeting Room B

August 30, 1999

MONDAY

3:00P.M.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Citizens Wishing to Address the Committee**
4. **Communications**
5. **Minutes**
 - A. August 9, 1999
6. **Old Business**
 - A. Contingency Disposal Authorizations
 1. Sanilac County
 2. Huron County
 - B. Huron County Ash Disposal Authorization
 - C. Facility Inclusion Applications
 1. Anchor Recycling Inc.
 2. Techni-Comp Resource Recovery
 3. Fruit Road Facility
7. **New Business**
 - A. Facility Need Assessment
8. **Other Business**
9. **Next Scheduled Meeting**
10. **Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
New County Building, Meeting Room A

January 31, 2000

MONDAY

3:00 P.M.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Citizens Wishing to Address the Committee**
4. **Communications**
5. **Minutes**
 - A. August 30, 1999
6. **Old Business**
 - A. Goals and Objectives
 - B. Facility Inclusion Applications
 1. Techni-Comp Resource Recovery
 2. Fruit Road Facility
 3. Anchor Recycling, Inc.
7. **New Business**
 - A. Selection and Evaluation of Solid Waste Management Alternative
 - B. Management Component
8. **Other Business**
 - A. Solid Waste Management Plan - Draft of MDEQ Format
9. **Next Scheduled Meeting**
10. **Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
New County Building, Meeting Room A

February 28, 2000

MONDAY

3:00 P.M.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Citizens Wishing to Address the Committee**
4. **Communications**
5. **Minutes**
 - A. January 31, 2000
6. **Old Business**
7. **New Business**
 - A. Review of Update to Solid Waste Management Plan Draft -
Revise as Appropriate and Consider
Release for Public Comment
 - B. Review of Monitoring Enforcement Mechanism
8. **Other Business**
 - A. Plan Approval Process
 - Revision and Printing Time after Release Authorization
 - 90 Day Public Comment Period
 - Public Hearing Date(s) prior to Completion of 90 Day Period
 - Next Mandatory SWMPC Meeting Date (Recommendations to the Board of Commissioners must occur within 30 days of closure of the Public Comment Period)
9. **Next Scheduled Meeting**
10. **Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950, three days prior to said meeting.

☎ Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
County Administrative Building, Meeting Room A


July 12, 2000

WEDNESDAY

3:00 P.M.

- 1. Call Meeting to Order**
- 2. Roll Call**
- 3. Citizens Wishing to Address the Committee**
- 4. Communications**
- 5. Minutes**
 - A. February 28, 2000
- 6. Old Business**
- 7. New Business**
 - A. Review of events Occurring Since the 2/28 SWMPC Meeting
 - B. Review of Plan Approval Process
 - 90-Day Public Comment Period
 - Public Hearings
- 8. Next Scheduled Meeting**
- 9. Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950 as soon as possible.

 **Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.**

NOTICE OF MEETING

St. Clair County
Solid Waste Management Planning Committee
200 Grand River Avenue; Suite 202
Port Huron, MI 48060
County Administrative Building, Meeting Room A

July 31, 2000

MONDAY

3:00 P.M.

-
1. **Call Meeting to Order**
 2. **Roll Call**
 3. **Citizens Wishing to Address the Committee**
 4. **Communications**
 5. **Minutes**
 - A. July 12, 2000
 6. **Old Business**
 7. **New Business**
 - A. Receipt of Public Hearing Transcript and Written Comments
 - B. Staff's recommended response to the Public's concerns and questions
 - C. Review of 2000 Update of the St. Clair County Solid Waste Management Plan
Draft – Final Revisions and Recommendations to the Board of Commissioners.
 8. **Other Business**
 9. **Next Scheduled Meeting**
 10. **Adjournment**

St. Clair County complies with the Americans with Disabilities Act. Anyone needing special equipment in order to attend meeting should call (810) 989-6950 as soon as possible.



Committee Members: PLEASE CALL 989-6950 if you are unable to attend meeting.

Public Hearing Material

Affidavit of Publication

STATE OF MICHIGAN,
County of St. Clair, ss.

In the Matter of. 2000..Update..of..the..St..Clai
County..Solid Waste Management Plan

Bonnie M. Brown being duly sworn, deposes and says that she is the Publisher of the
Yale Expositor

a newspaper printed, published and circulated in the county of St. Clair and State of Michigan, and that the notice at-
tached hereto is an exact copy of a notice which was printed in the aforesaid newspaper, on the following dates, to-wit:

Notice of Availability for Inspection, or Copying 2000 Update of the St. Clair County Solid Waste Management Plan

On February 28, 2000 the St. Clair County Solid Waste Management Planning Committee authorized the release of the proposed 2000 Update of the St. Clair County Solid Waste Management Plan (Plan) for public review and comment. As required by Part 115 of the Michigan Natural Resources and Environmental Protection Act. P.A. 451 of 1994 as amended, a public comment period of at least 90 days must be held prior to plan adoption.

Copies of the proposed Plan have been placed in all branches of the County Library and are available for review during normal library hours. The document can also be viewed or copied for a fee, at the Metropolitan Planning Commission offices at 200 Grand River Avenue, Suite 202, in Port Huron between the hours of 8:00 a.m. and 4:30 p.m.

The Solid Waste Management Planning Committee will also accept written comments received prior to June 26, 2000. Written comments can be sent to the attention of Geoffrey Donaldson at the St. Clair County Metropolitan Planning Commission, 200 Grand River Avenue, Suite 202, Port Huron, MI 48060.

Published: April 2000
The Yale Expositor

April 19, 2000 19.....
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Signed:

Bonnie M. Brown

Bonnie M. Brown

Sworn to and subscribed before me, a Notary Public in
and for St. Clair County, Michigan,

this 21ST day of April 2000

Janice Brown

My Commission expires 4-10-2001

COUNTY OF ST. CLAIR

NOTICE OF PUBLIC HEARING

The St. Clair County Solid Waste Management Planning Committee and the Metropolitan Planning Commission will hold three Public Hearings to review the Draft of the 2000 Update of The St. Clair County Solid Waste Management Plan ('Plan'). The hearings are scheduled for the following dates and locations:

7:00 pm June 12, 2000
St. Clair County Board of
Commissioners' Room
2nd Floor
County Administrative Building
200 Grand River Avenue
Port Huron, Michigan

7:00 pm June 13, 2000
Capac High School Library
Capac High School
541 N. Glassford Street
Capac, Michigan

3:30 pm June 14, 2000
Algonac City Council Room
Algonac City Offices
805 St. Clair River Drive
Algonac, Michigan

The purpose of the hearing is to give the general public the opportunity to review and comment on the 'Plan'. Since July of 1998, The Solid Waste Management Planning Committee has been in the process of updating the existing County Solid Waste Management Plan. The 'Plan' provides a framework for solid waste management in St. Clair County for the next ten years.

Ted Frantz, Chairperson
St. Clair County Solid Waste Management Planning Committee
Publish: May 12, 2000

**PUBLIC HEARING
ST. CLAIR COUNTY
SOLID WASTE MANAGEMENT PLAN UPDATE**

June 12, 2000 7:00 p.m.

**County Board of Commissioners Room
200 Grand River Avenue, Port Huron, Michigan**

Present: Ted Frantz, Chairperson Solid Waste Management Planning Committee

Guests: Bill Angerbrandt, 4165 Quaker Hill, Fort Gratiot
Joe Stevens, 9388 St. Clair Highway, Casco Township.

Staff: Gordon Ruttan, Planning Director
Geoff Donaldson, Environmental Planner
Dale Whitehead, Planning Department Secretary

Chairperson Ted Frantz opened the Public Hearing at 7:00 p.m., to discuss the update of the St. Clair County Solid Waste Management Plan.

A short presentation was presented by Chair Frantz and Geoff Donaldson.

Chair Frantz stated that in the comment section any speaker will be allowed three minutes to address their concerns and written comments will be taken. Individuals are asked to rise, state their name, and whether at the hearing as a citizens or representative of an organization. The comments will be taken back to the Solid Waste Management Planning Committee

No comments were received on the Solid Waste Management Plan Update.

Questions were asked:

Joe Stevens Casco Township Board and Planning Commission.

Mr. Stevens: More of a question than a comment. Back in February a company approached us down on Bethuy Road, right near Marine City Highway, they want to put in a transfer station of equipment, I mean of building materials, a transfer station, and they wanted to get it in before your plan came in to being. When they found out how long it would take to go through the planning process they never came back. Could you shed light on that. Would they have been "grandfathered" in if we would have allowed them to have a transfer station there?

Staff replied that they would not be able to be "grandfathered" in but they could apply to have the plan amended to include their site.

Staff also reviewed the amendment process and the costs involved to be considered for an amendment.

Frantz announced that the next public hearing will be at the Capac High School Library at 7:00 p.m., and then on Wednesday at 3:30 p.m., at the Algonac City Hall.

CLOSING OF PUBLIC HEARING and adjourn at this time. See you at Capac tomorrow night. Thank you all for coming.

The Public Hearing adjourned at: 7:16 p.m.

Respectfully Submitted,



Dale Whitehead, Secretary
St. Clair County Metropolitan Planning Commission

**PUBLIC HEARING
ST. CLAIR COUNTY
SOLID WASTE MANAGEMENT PLAN UPDATE**

**June 13, 2000 7:00 p.m.
Capac High School Library**

Present **Ted Frantz, Chairperson Solid Waste Management Planning Committee
Kay Cumbow, Solid Waste Management Planning Committee Member**

Guests: **James Cumbow, 15184 Dudley Road (Lynn Township Planning Commission)
Nancy Beaufait, 7050 Bailey Road, Yale
Kay Cumbow, 15184 Dudley Road, (Committee Member)
Cynthia Frantz, 3110 Abbottsford, North Street**

Staff: **Gordon Ruttan, Planning Director
Geoff Donaldson, Environmental Planner
Dale Whitehead, Planning Department Secretary**

Chairperson Ted Frantz called the Public Hearing meeting to open at 7:05 p.m., to discuss the update of the St. Clair County Solid Waste Management Plan.

Chair Frantz and Geoff Donaldson presented a short presentation.

Chair Frantz opened the floor for comments, either verbal or written, at 7:12 p.m. He requested anyone with comments or questions to state their name, address and if speaking for a group, company or individual.

No one had comments regarding the update of the Solid Waste Plan. Several did have questions, however, which were answered by Staff and Chair Frantz.

Jim Cumbow: I am Kay's husband and a member of the Lynn Township Planning Commission. I have different things I am curious about. First of all, recycling. A number of years ago Lynn Township purchased a compartmentalized recycling container, in conjunction with several of the other townships in the area and it was set up in Capac for a couple of years and then suddenly it disappeared. No one seems to know where it went or what became of it. I know there was a problem at the supermarket and they didn't like people dumping all their trash around it.

Gordon Ruttan and Geoff Donaldson: Stated how it came about and where the current roll-off containers are. There was a problem at the CAPAC IGA and it was moved. There is one in Lynn and the City of Yale It may be one of the ones that was at the Capac IGA.

Kay Cumbow: My other question I had was regarding the fly ash. Do you treat it, are you disposing of it for Detroit Edison, I am assuming they are the primary ones for fly ash.

Ted Frantz: Detroit Edison has their own site. They operate it strictly for their own use. One truck load is brought in from Harbor Beach to the Range Road Facility. That is included in the plan. Detroit Edison's disposal is around 230,000 tons a year.

Nancy Beaufait: How much space do we have left in our landfill?

Ted Frantz: We are at approximately 30 to 40 years at this time, depending on how the engineering, plans go and how the new technologies and the additions and expansions at the landfill are engineered.

Gordon Ruttan: There are plans to raise the final contour to make it higher. There are 80 acres that have not even been used and there may be other land adjacent there that is under ownership that isn't used but projected to be used

Nancy Beaufait: So we will have enough space.

Gordon Ruttan: Yes, one could argue is it 30 years or 40 years, but we have to revisit this plan every five years. Certainly within one, or two or three visits of this plan, we are in no danger of losing the capacity within those time periods.

Ted Frantz: We are in a very fortunate position and it has been stewarded well by the planning committees in the past.

Nancy Beaufait: How many reciprocal counties do we have?

Geoff Donaldson: The old feeling behind reciprocal agreements is no longer the case. It doesn't necessarily mean the other county has to guarantee the same. But even that being the case there are not any existing reciprocating or any sort of agreement outside of the Huron County/St. Clair County ash agreement. The plan does have a contingency disposal agreement with Sanilac County and Huron County. There are certain specific details listed in the Solid Waste Plan that outlines what a contingency situation would be. If a catastrophe or emergency was to shut down one of the disposal facilities in either of the two counties we would open our borders for a period of six months, I think, until they could find an alternate situation, or if they went into another agreement with the Board of Commissioners to continue that six month period of time.

Gordon Ruttan: That has never been exercised in almost 20 years that St. Clair County has had a plan. We had it in the last plan and prior to that and since then we have never had to.

Ted Frantz: The reciprocal language is in the Act itself so it allows other counties that won't have landfills, they are going to have some other county receive their waste.

Nancy Beaufait: Is there a lot of Canadian waste coming over now?

Gordon Ruttan: Not to Smiths Creek. It is transported through St. Clair County to places beyond.

Geoff Donaldson: 2.5 million tons of garbage are brought into Michigan from Canada each year.

Nancy Beaufait: I know there was one county thinking of taking waste from practically all of the counties in Michigan. They had like 53 counties out of 83.

Gordon Ruttan: A lot of landfills or counties have requested that, let us just take Branch County for example, that we put Branch County in our plan as accepting waste from St. Clair County and some counties want 82 county agreements to move. Should any waste ever move back and forth they want to be able to have it. We have had many requests, generic requests, non-specific requests, which we just said we are not interested in it.

Kay Cumbow: How many waste haulers do we have?

Ted Frantz and Donaldson: More than nine. The plan identifies nine as being responsible for more than the majority of waste hauled. I don't have the exact figure for you, but I remember when I was putting together the initial contact sheet, in 1998, I contacted everyone who was licensed at that time and it was in excess of 30, but less than 40. But that could change. Right now it could be 20 and 25.

Kay Cumbow: That just means the independents are going out.

Nancy Beaufait: What about low level radioactive waste? Do you get any of that in there? Or can you tell if we get it in there because you have to have monitors. From what I was hearing if they put it on a certain side of the truck the monitors didn't know.

Gordon Ruttan: As you know it is now allowed or permitted, unless it is

Geoff Donaldson: Not very well versed on that but I think what you are referring to is a provision for some of medical waste. It is allowed. There was some relaxation on that.

Kay Cumbow: Are there other generators of fly ash besides Edison in this county?

Geoff Donaldson: yes, very small ones, I am not sure the current name of it. Akzo Salt, (formerly Diamond Crystal).

Chair Frantz asked if anyone else wished to comment or ask a question. There being none, Chair Frantz closed the public hearing at 7:50 p.m.

Chair Frantz extended his thanks to the High School for letting us use their library for the public hearing.

Respectfully submitted,



Dale Whitehead
Planning Department Secretary

**PUBLIC HEARING
ST. CLAIR COUNTY
SOLID WASTE MANAGEMENT PLAN UPDATE**

June 14, 2000 3:30 p.m.

**Algonac City Council Room
Algonac, Michigan**

Present Ted Frantz, Chairperson Solid Waste Management Planning Committee

**Guests: John F. Jones, Supervisor, Ira Township
 Tim Klunger, Manager, City of Algonac
 Donald Dodge, County Commissioner, District 7**

**Staff: Geoff Donaldson, Environmental Planner
 Dale Whitehead, Planning Department Secretary**

Chairperson Ted Frantz called the Public Hearing meeting to open at 3:38 p.m., to discuss the update of the St. Clair County Solid Waste Management Plan.

A short presentation was presented by Chair Frantz and Geoff Donaldson.

Chair Frantz opened the floor for comments, either verbal or written. He requested those with comments or questions to state their name, address and if speaking for a group, company or individual.

No comments were received on the Solid Waste Management Plan Update..

Questions were asked:

John Jones, Ira Township Supervisor

On number five, can you expand a little bit on the significant changes of this plan from the old one. In other words, it says the deletion of siting criteria.

Staff: Geoff Donaldson: The last plan included siting mechanism and siting criteria at the disposal facility in St. Clair County and that included landfills, transfer stations and processing plants. After much discussion at the committee level, this plan go around it was decided we had ample disposal facilities in the county and we did not need to open up the doors to siting of any new ones in the county. The ones that are there meet the solid waste management needs in the county and we didn't see the need to open the doors for any new solid waste facilities in the county. That would be probably the most significant change from the last plan, that is the omission of the siting mechanism and siting criteria.

Chairperson Frantz: For the record we would like to welcome Commissioner Don Dodge to the public hearing. We appreciate your participation.

Chair Frantz: I would also like to put on the record, if we may, many thanks to Supervisor John Jones' community for including in their specs for the removal of solid waste, the inclusion into their bid, the need to use of Smiths Creek Landfill as the official landfill to be used. I would also like to thank Tim Klunder of Algonac as well. Both of these communities have supported the work of this Committee in the past and we appreciate the support from both communities.

Chair Frantz asked if anyone else wished to comment or ask a question. There being none, Chair Frantz closed the public hearing at 4:44 p.m.,

Chair Frantz thanked the City of Algonac for their hospitality and hosting of the public hearing.

Respectfully submitted,



Dale Whitehead
Planning Department Secretary



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

April 20, 2000

RECEIVED
APR 25 2000
S. C. C. M. P. C.

Mr. Geoffrey E. Donaldson, Environmental Planner
St. Clair County Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

Dear Mr. Donaldson:

I have received and reviewed a copy of the draft St. Clair County (County) Solid Waste Management Plan Update (Plan) released for the 90-day public comment period ending June 26, 2000. I will address our comments in the same order as the topics appear in the Plan. The following areas of the County's Plan may be cause for concern and may require revision or additional information.

- Cover page Please indicate the date when the final Plan is submitted to the Department of Environmental Quality (DEQ) for approval. If different versions of the Plan are prepared during the update process, listing the date can ensure that discussions between the DEQ and the County are referring to the correct document.
- Page II-5 The proposed expansion outlined for Howard's Solid Waste Transfer and Reclamation Center should be included in the Authorized Disposal Area Types section of the Siting Review Procedures on page III-35.
- Page II-28 The "Collection Processes and Transportation" paragraph states hauling companies are listed on page II-19. There are no haulers listed on page II-19; however, they are listed on page II-9 and II-10. Please reference the proper page numbers.
- Page II-29 The "Institutional Arrangements" paragraph refers to pages III-33 through III-38 for the "Management Responsibilities" section of the plan; however, this section is found on pages III-36 through III-43 of the draft plan. Please reference the proper page numbers.
- Page II-29 The "Alternative Solid Waste Management Systems" paragraph states that alternative methods had been evaluated; however, a description of the non-selected systems are not included. List and briefly summarize each alternative that was evaluated.
- Page III-1 This section of the Plan is to provide a detailed description of the system for solid waste management that was selected by the County for implementation. A detailed description of the system that was selected should be included in this section.
- Page III-2 Huron County is listed twice as the exporting county to Smiths Creek Landfill. It appears Sanilac County should be included in this table because on page D-6,

the Plan states both Huron and Sanilac Counties are authorized to import waste into St. Clair County under special conditions.

Page III-35 The Plan identifies three possible future expansions of the Smith's Creek Landfill and states any of those possibilities shall be deemed consistent with the Plan. In order to alleviate any discrepancy regarding where the expansions are proposed, please identify on a map the locations used to perform the volume calculations or include a more detailed description of the areas identified for future expansion including any limitations imposed on size, height, etc.

Page III-43 The purpose of the Local Responsibility for Plan Update Monitoring & Enforcement section is to indicate who will have this responsibility. The Monitoring and Enforcement Mechanism located in Appendix E does not include this information. However, on pages III-36 through III-40, the Plan does include a detailed description of the parties involved in implementing and enforcing the Plan. In order to give a clear understanding of each party's responsibility, please include a reference to pages III-36 through III-40 in this section of the Plan.

The page with the heading Capacity Certifications has no page number. The Plan states that more than ten years of capacity has been identified; however, there are no calculations on this page. Please include demonstration of available capacity in relation to the County's disposal needs. In addition, please include the capacity information on page D-3 before submitting for final approval.

Page A-4 The last paragraph states there is a proposed recycling program at Brockway Township Hall. There are no proposed recycling programs listed in the table on page III-27; therefore, if this is a proposed recycling program, I recommend this program be added to the table.

Page B-3 The Plan states the 1983 and 1990 St. Clair County Solid Waste Management Plans evaluated several solid waste management components and those conclusions are still valid. Although the conclusions and recommendations are valid, each non-selected alternative evaluated as part of preparing this plan should be discussed in the Non-Selected Systems section.

I appreciate the efforts that you have shown in the development of the Plan and the degree to which the Plan format has been utilized. This makes the document much easier to review. I hope that these comments are useful to St. Clair County as you attempt to develop an approvable Plan. If you have any questions or comments, please contact me at the telephone number below, or by e-mail, at dumroesl@state.mi.us.

Sincerely,



Lynn Dumroese
Solid Waste Management Unit
Waste Management Division
517-373-4738

cc: Mr. Seth Phillips, DEQ
St. Clair County File



RECEIVED

JUN 26 2000

S. C. C. M. P. C.

Domtar Industries Inc.
1700 Washington Avenue
P.O. Box 5003
Port Huron, MI 48061-5003

tel 810.982.0191
fax 810.982.7124

June 22, 2000

Mr. Geoffrey Donaldson, Environmental Planner
St. Clair County Metropolitan Planning Commission
200 Grand River Avenue Suite 202
Port Huron MI 48060

Dear Mr. Donaldson:

Thank you for the opportunity to comment on the Draft 2000 update of the St. Clair County Solid Waste Management Plan. Overall, I feel the Plan was well written but I do have a few concerns that I would like to point out.

On page II-2 the current volume for commercial and industrial waste for the entire County is listed as 53,422 tons and 18,923 tons respectively. As you are well aware even after pollution prevention activities, the paper industry generates a large amount of waste as part of its process. After looking at this number and reviewing our SIC code (2621), I believe our waste generation along with the other paper industry facilities was placed in the commercial category instead of the industrial category.

For example, the Domtar site generated 22,000 cubic yards of paper mill sludge in 1999 which equates to 14,400 tons. Domtar also generated 5700 tons of fly ash for a grand total of 20,100 tons to the landfill (total does not include general trash from the site). Any changes will also affect the table for the City of Port Huron on page II-18.

The last comment I have is a misspelling on page C-5. Our company name is spelled with a "m" not an "n".

Please feel free to contact me should you have any questions concerning these comments.

Sincerely,

Christine J. Lupu, CHMM
Environmental Engineer

cc: S. Bentley

R. Belanger



Blue Water Fiber Limited Partnership

June 22, 2000

Phone: (810) 984-3531
Fax: (810) 984-2332

P.O. Box 611367
Port Huron, Michigan
48061-1367

Mr. Geoffrey Donaldson, Environmental Planner
St. Clair County Metropolitan Planning Commission
200 Grand River Avenue Suite 202
Port Huron MI 48060

RECEIVED

JUN 26 2000

S. C. C. M. P. C.

Dear Mr. Donaldson:

I would like to first thank you for these taking comments on the Draft 2000 update of the St. Clair County Solid Waste Management Plan. Overall, the plan was well written, but I do have a concern that I would like to bring to your attention.

On page II-2, the current volume for commercial and industrial waste for the County is listed as 53,422 tons and 18,923 tons respectively. As you are well aware even after recycling, the recycling process generates a large amount of waste as part of its process. After looking at these numbers and reviewing our sic code (2621), I believe our waste and the other paper industry facilities were placed in the commercial category instead of the industrial category.

For example, Blue Water Fiber generated 82,146 cubic yards of paper mill sludge in 1999. The list on page III-13 states that 60,000 cubic yards is used as alternative daily cover. This leaves 22,146 cubic yards that is placed in the landfill which equates to 14,495 tons. (which does not include general trash from the site). This change will also affect page II-18 which lists the waste volume by city, township, etc.

Please feel free to contact me should you have any questions concerning these comments.

Sincerely,

A handwritten signature in cursive script that reads "Jeffrey J. Brusky".

Jeffrey J. Brusky
Technical Leader

Cc: T. Karig

Douglas A. Bell, AICP
Community Planning Consultant

214 East State Street
Clare, Michigan 48617

Telephone & Fax: 517-386-6491
e-mail: dabell@voyager.net

June 22, 2000

Mr. Geoffrey Donaldson
St. Clair County Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron MI 48060

RECEIVED
JUN 26 2000
S. C. C. M. P. C.

RE: St. Clair County Solid Waste Management Plan Update

Dear Geoff:


I have reviewed the draft St. Clair County Solid Waste Management Plan Update as it relates to the Sanilac County Plan Update. My comments are as follows:

1. The St. Clair plan is compatible with Sanilac's plan in the sense that Sanilac County will accept solid waste from St. Clair County for disposal on a contingency basis. This is indicated in Table 2-A, "Current Export Volume Authorization" on page III-4 of the St. Clair plan.
2. However, there is no indication that St. Clair County will also accept waste from Sanilac County on a "contingency-only" basis. Only Huron County is listed in Table 1-A, "Current Import Volume Authorization" on page III-2. Based on our earlier discussions, it has been my understanding that St. Clair County would accept solid waste from Sanilac on a contingency basis, subject to conditions specified in the plan. The Sanilac County Plan Update lists St. Clair County in this manner. This topic is addressed in your August 20, 1999 letter to the Sanilac County Board of Commissioners that is included in Appendix D.

Therefore, I am requesting that you add a listing in the "Import Authorization" section that authorizes the acceptance of solid waste from Sanilac County on a contingency basis. I think that your August 20, 1999 letter adequately defines a contingency situation. I have included similar language in the Sanilac County Plan.

Thank you for the opportunity to comment. Please call me at 517-386-6491 if you have any questions.

Sincerely,



Douglas A. Bell, AICP
Solid Waste Plan Consultant to Sanilac County

Fink, Zausmer & Kaufman

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Avery K. Williams
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RECEIVED

JUN 26 2000

S. C. C. M. P. C.

22 June 2000

St. Clair County Solid Waste Planning Committee
St. Clair County Board of Commissioners

Re: Proposed Provisions of St. Clair County Solid Waste Plan
Which Prohibit Import or Export of Solid Waste

Dear Solid Waste Planning Committee Members and Board Members:

I am writing on behalf of Pine Tree Acres, Inc., a Waste Management-owned landfill which is located in Macomb County, Michigan. As you may be aware, Pine Tree Acres is located off of 29 Mile Road, directly adjacent to County Line Road, and thus directly adjacent to St. Clair County. I wish to express my client's concerns regarding the flow control provisions of the proposed County Solid Waste Management Plan ("Plan"), specifically those provisions which prevent solid waste from entering into or leaving St. Clair County. The clear result of these flow control provisions is to establish the County-owned Smith's Creek Landfill as the sole disposal facility for Type II solid waste generated within St. Clair County. This in turn deprives Pine Tree Acres and other area landfills of participating in the local disposal market, to the direct financial benefit of County government and to the direct financial detriment of County residents.

Specifically, we have two concerns regarding the flow control provisions of the Plan. First, I believe these provisions violate federal antitrust laws and thus expose the County to substantial monetary damages. Second, these provisions violate the interstate commerce clause of the U.S. Constitution, particularly the principles set forth in recent federal court decisions which have issued after the U.S. Supreme Court decision in *C & A Carbone, Inc. v Town of Clarkstown, New York*, 511 US 383 (1994). Simply put, the Plan does not meet legal muster.

Antitrust Issues

St. Clair County, by its own public statements, seeks to allocate the local disposal market for the purposes of maintaining the Smith's Creek Landfill as the sole disposal alternative. This legislated elimination of competition allows the County to maintain artificially high pricing at Smith's Creek Landfill. The attached letter from Blue Water Plastics, Inc., is a good example of the impact of lack of competition. Blue Water Plastics, through a competitive bidding process, determined that it is paying a premium of about \$13,000 per year for having its waste disposed of at Smith's Creek. It has no disposal alternatives.

There has been much litigation in the past on the issue of whether local government is subject to insulation from federal antitrust laws. The U.S. Supreme Court, in *Parker v Brown*, 317 US 341 (1943), set forth the general principle that "state action" is exempt from liability under the Sherman Act. Later federal court cases extend this principle to local government, including County government, as long as two conditions are met: (i) the local government's exercise of authority must be an authorized implementation of state policy, and (ii) the local government must possess a clearly delegated authority to suppress competition, *Hallie v Eau Claire*, 471 US 34 (1985). In this particular case, neither exception applies, and the County is subject to federal antitrust laws. While Part 115 of Public Act 451 of 1994 requires Counties to establish county plans to provide for 10 years of disposal capacity, there is no legislative requirement to restrict competition. In fact, the opposite is true. MCL 324.11548 states as follows:

"This part is not intended to prohibit the continuation of the private sector from doing business in solid waste disposal transportation. This part is intended to encourage the continuation of the private sector in the solid waste disposal and transportation business when in compliance with the minimum requirements of this part."

The elimination by the County of competition for solid waste disposal services through the implementation of the flow control provisions of the Plan clearly violates federal antitrust laws. The County should carefully review its legal exposure.

Interstate Commerce Issues

A substantial number of federal court cases have been issued subsequent to the landmark U.S. Supreme Court decision in the *Carbone* case. Specifically, Courts have had to determine what types of local government conduct constitutes a violation of the interstate commerce clause provisions of the U.S. Constitution. St. Clair County is no stranger to federal litigation on this subject. It is noteworthy that a number of local communities who own solid waste facilities have agreed to modify their conduct as a result of *Carbone* type issues, notably Kent County and Grosse Pointe-Clinton Solid Waste Authority.

A very recent Sixth Circuit Court of Appeals case, *Huish Detergents Inc. v Warren County, Kentucky*, 2000 WL690173 (2000), sets forth what we believe to be an appropriate analysis. In this case, the Court looked at whether or not the County was acting as a "market participation" or "market regulator." To the extent the County is determined to be a market participant, is it generally held to be exempt from interstate commerce violations. Since Warren County was not taxing its residents for hauling and disposal services, but was rather regulating the market, the flow control ordinance was struck down on the basis of the *Carbone* case.

In this particular case, St. Clair County is caught on the horns of a dilemma. Both the antitrust statutes and the interstate commerce clause promote fair and open competition. What St. Clair County proposes to do here flies in the face of such policies. To the extent the County seeks to protect itself from interstate commerce clause challenges as a "market participant," it puts itself in the shoes of private enterprise and further subjects itself to antitrust liability. The County cannot have it both ways. It is either a market participant or a market regulator, but it cannot regulate a market for its own financial enhancement.

Leaving aside the market participant issue, St. Clair County has not attempted to comply with other standards which Courts have recently set down in interstate commerce clause decisions. For instance, in several cases Courts have upheld flow control ordinance where the governing body has sought competitive quotes from both in-state and out of state firms. To our knowledge, St. Clair County has taken no competitive bids for disposal services.

Recommendation

We strongly recommend that no action be taken on the Plan until such time as a full detailed legal review of the various issues is completed by the County's legal representatives.

My client firmly believes that open competition for disposal in the St. Clair County market is of benefit to all, and it is proposing that the disposal market be opened up not only to Pine Tree Acres but also to other competitive landfills. Further, my client recognizes the investment of the County taxpayers in the Smith's Creek Landfill, and wishes, within certain parameters, to support such investment. As such, my client is willing to enter into a disposal agreement with Smith's Creek Landfill, as part of a negotiated settlement, which agreement would establish disposal volumes and pricing levels. Such pricing levels, of course, must be based upon competitive market rates. The approach would avoid long-term litigation, would introduce a level of competition to the market, and would constitute an improvement in governmental policy.

Fink, Zausmer & Kaufman

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St. Clair Co. Solid Waste Planning Committee
St. Clair Co. Board of Commissioners

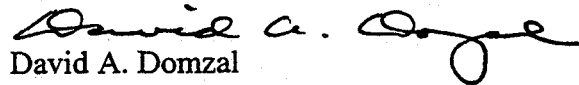
22 June 2000

Page 4

Please feel free to call us if you have any questions regarding this matter. In the meantime, we propose that a meeting take place between legal representatives of the parties to review this matter. Pending such a meeting, we respectfully request that no action be taken on the Plan.

Sincerely,

FINK, ZAUSMER & KAUFMAN, P.C.


David A. Domzal

DAD:vr

cc: Don Barretta
David Fink, Esq.
Jeff Harris
Ed Hoover
Richard Kaufman, Esq.
John Skoutelas, Esq.

WB Engineering Services, P.C.
1127 North River Rd
St. Clair, MI 48079
(810) 329-9723

A REPORT

TO: DAN LOCKWOOD

FROM: BILL BIER

7/19/99

RE: ESTIMATED ADDITIONAL COST FOR BLUE WATER PLASTICS, INC. RESULTING FROM WASTE HAULED TO THE SMITH CREEK LANDFILL

Dan had discussed, with Mr. Troy Feldman, County Administrator, the fact that Blue Water was paying a premium to have its waste disposed at the St. Clair County Landfill. Dan asked me to compile a report for him to use in a future discussion with Mr. Feldman, and the Solid Waste Committee of the St. Clair County Metropolitan Planning Commission.

BACKGROUND:

Early in 1998, Ms. Penny Eisenga, of Blue Water Plastics, Inc., sent inquiries to three waste disposal contractors, asking for prices for the next several years. She sent out a listing of the plants, along with their current costs. She received varying responses. One firm laid out a four year plan, based on a percentage of the then current costs. Another submitted total cost per site, while the third submitted unit pick up charges.

In addition, a bidder wrote a letter stating that they were the only firm, that was currently hauling waste material to Smith Creek, the St. Clair County Landfill.

After receipt of the above quotations and letter, I was asked to review the proposals. I reported to Management that the proposals were not comparable. It was decided to rebid the waste disposal package. I determined the number of pickups at each site, as well as the type of containers to be used. I also stipulated that the waste be taken to the Smith Creek Landfill.

After the requests had been sent out, I received a phone call from The President of Co. "A." Co. "A." currently was hauling most of the compactor loads from Blue Water's St. Clair County plants. He explained to me that they did not currently haul Blue Water's waste to Smith Creek. The waste was trucked to their transfer station, where it was transferred to large trucks owned by City Waste. City Waste then took the material to the Pine Tree Landfill in Macomb County. He then asked me why we wanted to send the waste to Smith Creek, when the County had a contract with City Waste, and City Waste took the County's waste to the Pine Tree Landfill. I told him that Blue Water Plastics, Inc. wanted to be a good citizen, and live up to the County Ordinance. He then told me that his costs for hauling to Smith Creek would be higher than his present contract, which did not require the waste to go to Smith Creek.

I reported this to Dan. We decided to ask for an Alternate Proposal asking for the unit costs to haul the waste out of the County. I issued an Addendum for this purpose.

RESULTS 1998/1999 BIDS:

We received five proposals, two from Co. "A.", and Co. "B.". A single proposal was received from Co. "C.". Co. "C." bid only to haul to Smith Creek. The other two bid both in-county and out-county disposal.

We selected a combination of Co. "A." for the St. Clair County plants with 42 yd compactors, and Co. "C." for the non compacted front load containers. My recommendation was to award the work to Co. "A." for the 42 yd compactors, with the waste to go out of the county, and Co. "C." to do the front load sites. I stated that this would result in a saving to Blue Water Plastics, Inc. My July 1, 1998 letter stated that it would cost Blue Water Plastics, Inc. \$2,989.84 more to have Co. "A." haul the waste to Smiths Creek.

Blue Water paid the added price for Co. "A." to haul to Smith Creek. Co. "B." was not low, therefore I did not state their difference. I computed this, for the first time today. Co. "B." bid \$9,288.00 more, last year, to haul the waste to Smith Creek rather than out of the County.

This poses some interesting questions. The gate rate at Smith Creek, at the time of last years bids were received, was \$273.00 per 42 Yd compactor. Co. "A." average bid was \$308.00 per 42 yd pick up, or \$35.00 over the land fill cost. For this they had to furnish a 42 yd container, a truck and driver for about 2 hours per pickup, insurance and profit.

Co. "B." cost difference last year was \$131.00, per load, as compared to Co. "A." per load cost difference of \$35.00.

CHANGES SINCE JULY 1998

1. Waste Management Purchased City Waste, and Pine Tree Landfill..
2. Another national firm purchased Standard Disposal, and later merged with Waste Management.
3. Standard Disposal personnel started two new companies, Metro Sanitation, LLC, World Waste Services.
4. Metro Sanitation had proposed to buy Howard Trucking/Disposal. This merger fell through.
5. Howard Trucking/Disposal accepted a purchase by a Chicago firm. This reportedly did not happen.
6. B.F.I. is currently waiting approval of sale. If sold, they will close their Lapeer Rd. location.

Note: Items 4., 5., and 6. were reported to me by Metro Sanitation. I do not have any verification.

1999/2000 BID RESULTS:

We received unit bids for 42 yd containers hauled to Smith Creek for \$259.00, \$319.00, \$325.00, an ave. of \$340.00, \$375.00 with 10% discount, and \$375.00.

Since the new gate fee at Smith Creek is \$7.50 per Yd, the 42 Yd container fee is now \$315.00. This is a 15.4% increase over last years rate. The amount of money to cover containers, trucking, insurance and profit, per container load, were respectively, a negative (-)\$56.00, \$4.00, \$10.00, \$25.00, and \$60.00.

On 7/5/99, I called the \$259.00, and \$325.00 bidders. I asked them how they could pay a gate

fee of \$315.00, and quote these prices.

The \$259.00 bidder said that they would haul the material to their yard in Lapeer County, and sort it. They planed to sell the recyclable waste and reload the rest and take it back to Smith Creek. I asked how we would be sure that the remaining waste would go to Smith Creek. He suggested that they furnish load tickets. He then asked, how could we be sure that any waste would be taken to Smith Creek. I said that we currently could not be sure. He then asked me if they could submit a Smith Creek price. Since they did not know any of the other bids, I said yes. He called back shortly with a \$319.00 price. This was only \$4.00 over cost. On July 6th. they called to find out what had happened. I informed them that we had awarded the contract elsewhere. He stated that it was impossible for them to not be low. I told him that his front load prices were so high that it made the total quote unacceptable. I then asked him how they planed to haul the waste to Smith Creek for \$4.00. He told me that they had a special deal at Smith Creek. They had a "Put and Place" agreement. He said that they had agreed to use X number of cubic yards of land fill at about \$245.00± per 42 yard container. Therefore, they could haul the waste and make money at \$319.00.

Today I had another call from the same firm. The caller had his boss on the line. He asked that I repeat what I had said before. I did. They then said that they would like to bid next year, if we would make sure that the waste was really going to Smith Creek. I asked him to explain his remarks. He said that to cover all costs, and have a profit, the bidders should have about \$150.00 per container over the landfill costs. He then said that anyone who bid less than \$465.00 per 42 yd container was cheating. I did not point out that he was one of the cheaters. It is difficult to believe, as accurate, anything they have said. However I find that I generally agree with their conclusions. .

The bidders may have been cheating, or they are not factoring in the total costs of containers trucking, insurance and profit, in an attempt to keep others out of "their" territories.

I also called the \$325.00 Bidder, on 7/5/99. I asked them how they could haul the waste for \$10.00 a load. They told me that the did not play \$315.00. He said that they paid by weight. And that their costs were well under \$300.00, about \$240.00 per average load. I later found out that Smith Creek does not have a scale. The \$325.00 bidder was not on our bid list. In checking them out, I found out that their office was in Warren, but they operated out of a yard at 6 mile and Livernois. This made their claim even less believable.

Lastly I talked to the \$375.00 bidder, who said that the rest were not planning on hauling to Smith Creek. He suggested that scales at Smith Creek would reduce the cost to dump industrial waste, in the county. This statement is based on the tonnage rate being set competitively with Macomb and Sanilac landfill. He expressed an opinion, that the higher the County set their gate rate, the less commercial and industrial loads they received. The response to this is to raise the rates again, with another drop in volume.

Another suggestion was for us, to require submission of Smith Creek load tickets for every 42 Yard load invoiced. My caller today, suggested that Blue Water negotiate a per compactor container load cost directly with the landfill, and bid only the cost of the containers and trucking.

These suggestions make sense. Although it is too late to require load tickets this year, I recommend that we do so next year, or if possible, use direct payment to the land fill.

Based on all of the above information and hearsay, I would say that the difference between the 1999/2000 quotation of Co. "A.", and the \$259.00 price is \$12,313.00, or roughly the added cost to take waste to Smith Creek. This is only a estimate, since we don't have any knowledge that our waste is really going to Smith Creek.

APPENDIX TO REPORT OF 7/19/99

TOTAL COST OF 1999/2000 BLUE WATER PLASTICS, INC. WASTE DUMPED AT THE SMITH CREEK LANDFILL

Plant	Annual No. of 42 Yd. Containers	
Blue Water Plastics, Co.....	15	
Jordan Creek Plastics, Inc.	24	
Port Huron Molded Products, Inc.	42	
Marysville Products, Inc.	20	
Blue Water Molded Products, Inc.	54	
Total five plants	155.	
Total Cu. Yds. to Smith Creek. 155 loads x 42 Cu. Yds. per load		6510 Cu. Yds.
Total Landfill cost @ \$7.50 per Cu. Yd.		\$48,825.00
199/2000 contract for haul to Smith Creek.....		\$52,428.00
Contractor's fee to haul 155 loads from the plants to Smith Creek		\$ 3,603.00
Contractor margin per load for all costs and profit		\$23.25
Other Bid price		\$40,145.00
Contractor's fee to haul 155 loads to Smith Creek.		-8,680.00
Contractor margin per load for all costs and profit		(-)\$56.00
Another Bid Price		\$50,375.00-
Contractor's fee to haul 155 loads to Smith Creek.		\$ 1,550.00
Contractor margin per load for all costs and profit		\$10.00
Another Bid Price		\$52,042.50
Contractor's fee to haul 155 loads to Smith Creek.		\$ 3,216.50
Contractor margin per load for all costs and profit		\$20.75
Another Bid Price		\$56,963.00
Contractor's fee to haul 155 loads to Smith Creek.		\$ 8,138.00
Contractor margin per load for all costs and profit		\$52.50

NOTE:

Contractors margin has to cover:

1. Cost and depreciation of 42 Cu. Yd. Container.
2. Cost and depreciation of hauling truck.
3. Cost of operating the truck on a average ± 45 mile round trip per load.
4. Labor cost, and fringes of driver for at least 1½ hours to make round trip and dump load.
5. PL & PD insurance for truck, and Worker Compensation Insurance on driver.
6. Profit.

Resolutions of Approval of Solid Waste Management Plan.



St. Clair County

Solid Waste Management Planning Committee

c/o St. Clair County Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

Resolution Passed By The Solid Waste Management Planning Committee On July 31, 2000

Motion: **Masters**

Support: **Littlefield**

THAT THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE APPROVE THE 2000 UPDATE OF THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLAN AND THAT THE CHAIRMAN BE AUTHORIZED TO FORWARD THE PLAN TO THE ST. CLAIR COUNTY BOARD OF COMMISSIONERS FOR THEIR CONSIDERATION AND APPROVAL.

RECORDED VOTE

Approve: 8 Members
(FRANTZ, KLUNDER, LEWANDOWSKI,
LITTLEFIELD, LIXEY, MANGUS, MASTERS,
TEUFEL)

Disapprove: None

Absent: 6 Members
(BENTLEY, CUMBOW, BIERNOT-KINNA,
HOWARD, HOLK, ISELER)

telephone (810) 989-6950
facsimile (810) 987-5931



BOARD OF COMMISSIONERS

County of St. Clair, Michigan

COUNTY ADMINISTRATIVE OFFICE BUILDING SUITE 201
200 GRAND RIVER AVENUE, PORT HURON, MI 48060
(810) 989-6900

Chairperson

PAT ACCIAVATTI

District 5

6425 Gratiot Road

St. Clair, MI 48079

Phone: (H) (810) 367-2122

(B) (810) 749-8593

Fax: (810) 367-3807

Vice-Chairperson

LEE MASTERS

District 6

10186 Masters Road

Goodells, MI 48027

Phone: (810) 392-3002

District 1:

JUDITH KEEGAN

8314 Lapeer Road

Kenoskee, MI 48006

Phone: (810) 325-1693

Fax: (810) 325-1168

District 2:

DON WISMER

4014 Fairway Drive

Fort Gratiot, MI 48059

Phone: (H) (810) 385-4643

(B) (810) 985-5400

Fax: (810) 985-5495

District 3:

JUANITA A. GITTINGS

3550 Armour Street

Port Huron, MI 48060

Phone: (810) 987-6096

District 4:

PATRICK QUAIN

369-4th Street

Marysville, MI 48040

Phone: (H) (810) 364-8726

(B) (810) 364-1500

District 7:

DONALD E. DODGE

8819 Stone Road

Algonac, MI 48001

Phone: (810) 794-3348

Approval of Solid Waste Management Plan by St. Clair County Board of Commissioners on August 9, 2000

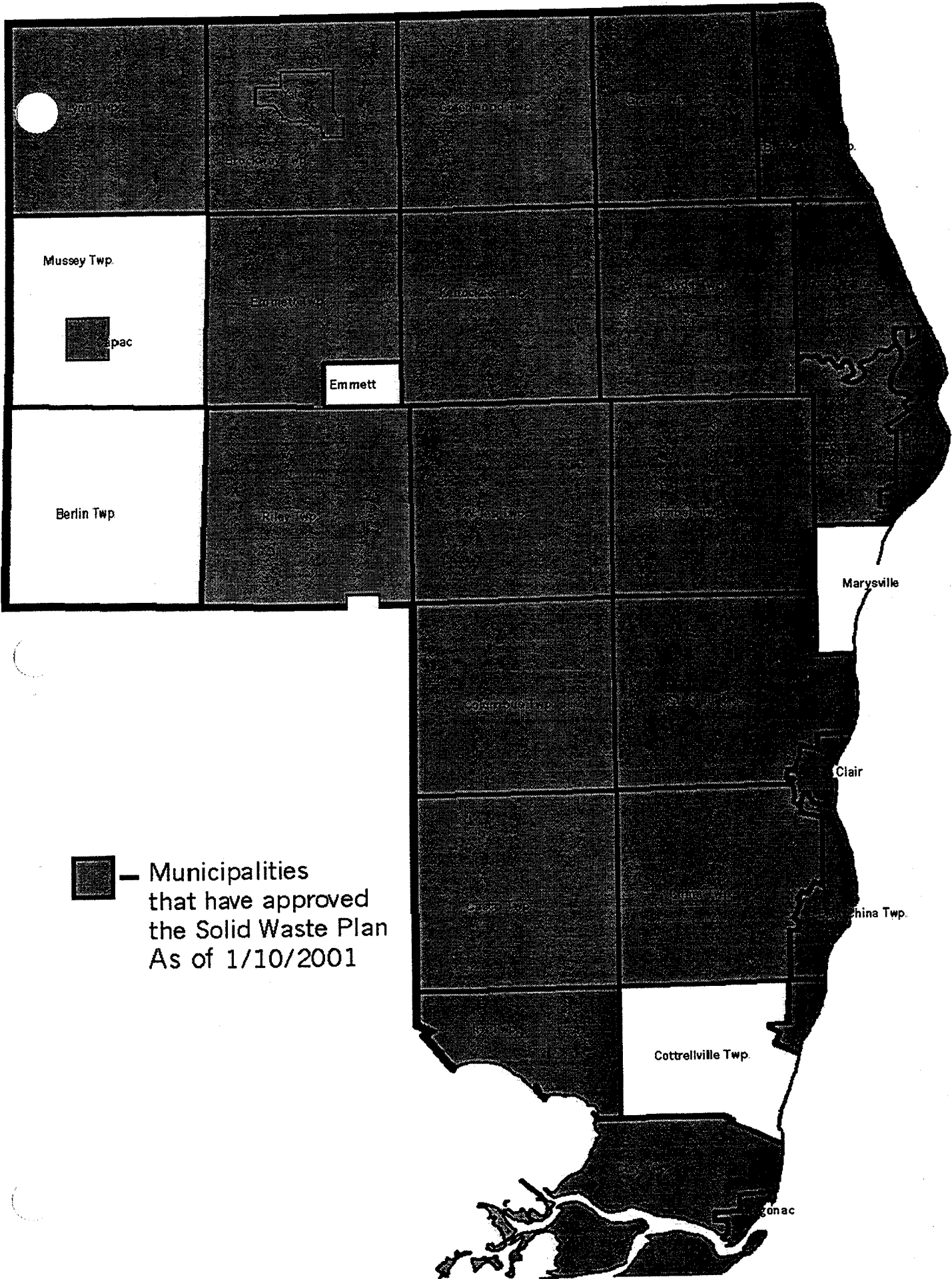
Moved by Commissioner Gittings, supported by Commissioner Wismer, to approve the 2000 Update of the St. Clair County Solid Waste Management Plan as prepared by the Metropolitan Planning Commission Staff in the draft dated August 2, 2000 and as recommended by the Environmental/Public Works Committee. Passed by a Roll Call vote:

Ayes - 5: Commissioner Dodge, Gittings, Keegan, Masters and Wismer.

Absent -2: Commissioner Acciavatti and Quain.

A Government of Service





RECEIVED

OCT 16 2000

S. C. C. M. P. C.

Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan

By action of the City Council of the City of Algonac on

SEPTEMBER 5, 2000, it is hereby resolved that we:
date

 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: SEPTEMBER 5, 2000

Raymond J. Martin
Mayor

Rose Ann Perrone
City Clerk

Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

Resolution #5
September 25, 2000

Councilmember Prax offered and moved the adoption of the following resolution:

WHEREAS, the St. Clair County Solid Waste Management Plan has been adopted by the Solid Waste Management Planning Committee and the St. Clair County Board of Commissioners; and

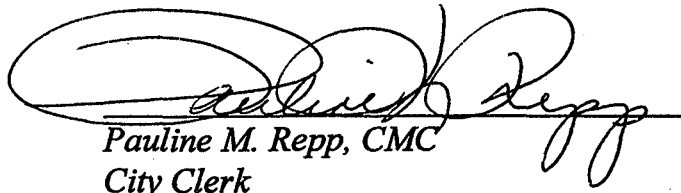
WHEREAS, the Plan must be approved by 67% of the communities in the County before submission to the Michigan Department of Natural Resources; and

WHEREAS, the Plan as prepared, is satisfactory to the City of Port Huron and is on file in the City Clerk's office;

NOW, THEREFORE, BE IT RESOLVED that the St. Clair County Solid Waste Management Plan, prepared pursuant to Act 451 as amended and the rules promulgated thereunder for St. Clair County, is hereby approved by the City Council for the City of Port Huron (See City Clerk File #00-54)

ADOPTED UNANIMOUSLY

I hereby certify that the above is a true and correct copy of a resolution adopted at a regular meeting of the Port Huron City Council on Monday, September 25, 2000.


Pauline M. Repp, CMC
City Clerk

Adopted unanimously.


RESOLUTION NO. 00-30

**CITY OF ST. CLAIR
COUNTY OF ST. CLAIR, MICHIGAN**

**RESOLUTION TO APPROVE OR DISAPPROVE THE 2000 UPDATE
OF THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLAN**

IT IS HEREBY RESOLVED, that the City Council of the City of St. Clair approves the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

RESOLUTION DECLARED ADOPTED


WILLIAM CEDAR JR, MAYOR
CITY OF ST. CLAIR, MICHIGAN

CERTIFICATION

The foregoing is a true and complete copy of a Resolution adopted by the City Council of the City of St. Clair, County of St. Clair, State of Michigan, at a regular meeting of the City Council held on the 5th day of September, 2000, and public notice of said Meeting was given pursuant to and in accordance with the requirements of Act No. 267 of the Public Acts of 1976, as amended, the same being the Open Meetings Act, and the Minutes of said meeting have been or will be made available as required by said Act.

Members Present: Mayor Cedar, Members Derkatz, Ellery, LaPorte, Smith, Stablein, Stockhausen

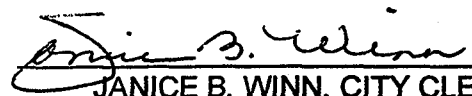
Members Absent: None

It was Moved by Member Ellery and supported by Member LaPorte to adopt the Resolution.

Members Voting Yes: Ellery, LaPorte, Smith, Stablein, Stockhausen, Cedar, Derkatz

Members Voting No: None

The Resolution was declared adopted by the Mayor and has been duly recorded in the Resolution Book of the City of St. Clair.


JANICE B. WINN, CITY CLERK
CITY OF ST. CLAIR, MICHIGAN

Y00-22

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the City Council of the City of Yale on

November 13, 2000, it is hereby resolved that we:

date

XX approve

 disapprove

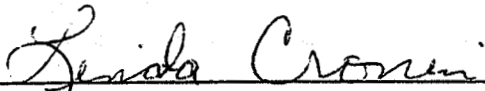
the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: November 13, 2000



Mayor Richard G. Verbeke



City Clerk Linda Cronin



Witnessed By John G. Osborn

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

RESOLUTION #2000-16

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Village of Capac on

November 06, 2000, it is hereby resolved that we:
date

 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date:

Peter Kavangh
President

Don L. Hunt
Clerk

[Signature]
Witnessed By

Please complete this form and return to:

Geoffrey Donaldson, Environmental Planner
St. Clair County
Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Brockway on

December 13, 2000, it is hereby resolved that we:
date

✓ approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: 12/13/2000

Carl Vermeesch
Supervisor

RECEIVED
DEC 18 2000
S.C.C.M.P.C.

Arthur Lampert
Clerk

Ruth Grosnicki
Witnessed By

Please complete this form and return to:

Geoffrey Donaldson, Environmental Planner
St. Clair County
Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

**Resolution for Approval
of the
2000 Update of the St. Clair County Solid Was Management Plan**

Resolution 2000-09-9-18.3

September 18, 2000

By action of the Board of Trustees of the township of Burtchville on

September 18, 2000, it is here by resolved that we:

approve

the 2000 Update of the St. Clair County Solid Waste Management Plan,
prepared pursuant to Part 115, Solid Waste Management, of the Natural
Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and
the rules promulgated thereunder, for St. Clair County

September 18, 2000


Supervisor


Clerk


Witnessed By

RECEIVED

OCT 18 2000

S. C. C. M. P. C.

2000-8

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Casco on

9-5-00, it is hereby resolved that we
Date

✓ approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

Community
Seal/Stamp

Date: 9-5-00

John A. Hall
Supervisor

Patricia M. Allagreen
Township Clerk

Barbara Cole
Witnessed by

Complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Charter Township of China on

August 28, 2000, it is hereby resolved that we:
date

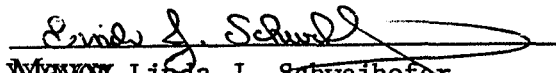
 X approve

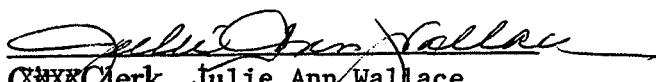
 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: August 29, 2000


~~Mayor~~ Linda J. Schwehofer
Supervisor


City Clerk Julie Ann Wallace


Witnessed By Norma Irvin

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Clay on

September 5, 2000, it is hereby resolved that we:
date

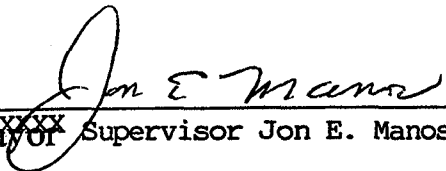
xxx approve


 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: September 7, 2000


~~Mayor~~ Supervisor Jon E. Manos


~~City Clerk~~
Township Clerk Michael P. Pellerito


Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Clyde on

September 19, 2000 it is hereby resolved that we:
date

✓ approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: 9-19-00

Michael Marks
Mayor

Rebecca Jahn
City Clerk

[Signature]
Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Columbus on

September 12, 2000, it is hereby resolved that we:
date

Did approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: September 12, 2000

Roderick D McLaughlin
Mayor

Patricia Decker
City Clerk
TWP

Joanne Alberty
Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

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NOV 21 2000

S.C.C.M.P.C.

RESOLUTION

Charter Township of East China
County of St. Clair, Michigan

Minutes of a regular meeting of the Township Board of the Charter Township of East China, County of St. Clair, Michigan, held in the Township Hall, on the 6th day of November, 2000 at 7:30 PM, Eastern Standard Time.

PRESENT: Barker, Beaudua, Smith, Light, Horn and Randolph.

ABSENT: Knotts.

The following Resolution was offered by Member Beaudua and supported by Member Light.

RESOLUTION

BE IT RESOLVED, that the Township Board of the Charter Township of East China resolves that they approve the 2000 Update of the St. Clair County Solid Waste Management Plan, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

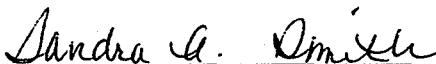
All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and the same hereby are rescinded.

AYES: Barker, Beaudua, Smith, Light, Horn and Randolph.

NAYS: None.

ABSENT: Knotts.

RESOLUTION DECLARED ADOPTED.



Sandra A. Smith, Clerk
CHARTER TOWNSHIP OF EAST CHINA

CERTIFICATION

I hereby certify that the foregoing constitutes a true and complete copy of a Resolution adopted by the Board of Trustees of the Charter Township of East China, St. Clair County, Michigan, at a regular meeting held on **November 6, 2000**, and that said meeting was given and conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and have been or will be made available as required by said Act.

Sandra A. Smith

**Sandra A. Smith, Clerk
CHARTER TOWNSHIP OF EAST CHINA**

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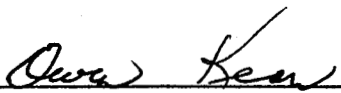
SEP 18 2000

S. C. C. M. P. C.

EMMETT TOWNSHIP
RESOLUTION NO. 00-8
FOR
APPROVAL
OF THE
2000 UPDATE OF THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT
PLAN

By action of the Board of Trustees of the Township of Emmett on September 6, 2000, it is hereby resolved that we approve the 2000 Update of the St. Clair Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

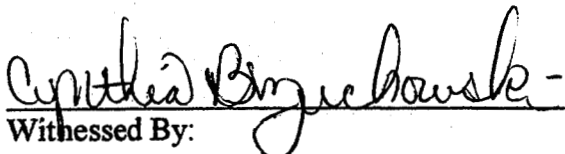
Date: September 6, 2000



Supervisor: Owen Kean



Clerk: Patricia E. Brozowski



Witnessed By:

RECEIVED
SEP 20 2000

**RESOLUTION
FOR APPROVAL OR DISAPPROVAL OF THE
2000 UPDATE OF THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLAN**

Minutes of a Regular Meeting the Board of Trustees of the Charter Township of Fort Gratiot, County of St. Clair, Michigan, held on the 13th. day of September, 2000, Eastern Daylight Savings Time.

MEMBERS PRESENT: MCCARTHY, SMILEY, KISH, TATE AND CRAWFORD

MEMBERS ABSENT: EDIE AND SCHLITTS

The following Preamble and Resolution were offered by Member Smiley and supported by Member McCarthy:

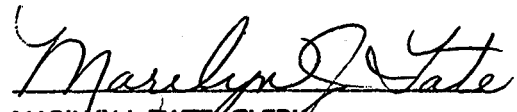
NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of the Charter Township of Fort Gratiot approve the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended; and the rules promulgated, thereunder, for St. Clair County.

AYES: MCCARTHY, SMILEY, KISH, TATE AND CRAWFORD

NAYES: NONE

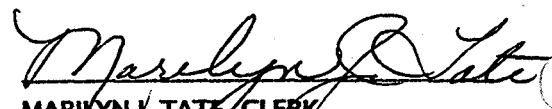
ABSENT: EDIE AND SCHLITTS

RESOLUTION DECLARED ADOPTED.


MARILYN J. TATE, CLERK
CHARTER TOWNSHIP OF FORT GRATIOT

CERTIFICATION

I, HEREBY, CERTIFY that the foregoing is a true and complete copy of a Resolution, adopted by the Board of Trustees of the Charter Township of Fort Gratiot, County of St. Clair, Michigan, at a Regular Meeting held on September 13th., 2000 and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976; and that the minutes of said meeting were kept and will be or have been made available, as required by said Act.


MARILYN J. TATE, CLERK
CHARTER TOWNSHIP OF FORT GRATIOT

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Grant on

September 18, 2000, it is hereby resolved that we:
date

 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: September 29, 2000

James W. Reid
Mayor Superior James W. Reid

James C. Hayes
City Clerk James C. Hayes

Barbara M. Reid
Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

2000-5
**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Greenwood on

Sept. 12, 2000, it is hereby resolved that we:
date


 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: September 12, 2000



Mayor *Twp* SUPERVISOR

Helen W. Preston

City Clerk
Twp.

Brenda Poole

Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

RES 00-11-14

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Ira on

NOVEMBER 6, 2000, it is hereby resolved that we:
date

 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: NOVEMBER 7, 2000

John T. Jones
Supervisor

Crystal Dwyer
Clerk

May Beth Fraser
Witnessed By

Please complete this form and return to:

Geoffrey Donaldson, Environmental Planner
St. Clair County
Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Kenockee on

9/12/00, it is hereby resolved that we:
date

X approve
_____ disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

Date: 9/12/00

*Community
Seal/Stamp*

Mayor

[Signature]
City Clerk

[Signature]
Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

RESOLUTION NO. 11-21-2000

**RESOLUTION FOR APPROVAL OR DISAPPROVAL OF THE 2000 UPDATE
OF THE ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLAN**

At a regular meeting of the Township Board of the Township of Kimball, County
of St. Clair, Michigan held on the 21st day of November 2000, at
7:00 p.m. at the Township Hall in said Township.

PRESENT: STURDEVANT, KILROY, SUTHERLAND, DEASE, ANGLEBRANDT, SHAFFER

ABSENT: NONE

The following preamble and resolution were offered by Member Sturdevant
and supported by Member Kilroy.

By action of the Board of Trustees of the Township of Kimball on November 21,
2000, it is hereby resolved that we:

X APPROVE

DISAPPROVE

the 2000 Update of the St. Clair County Waste Management Plan, prepared pursuant to
Part 115, Solid Waste Management, of the Natural Resources and Environmental
Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St.
Clair County.

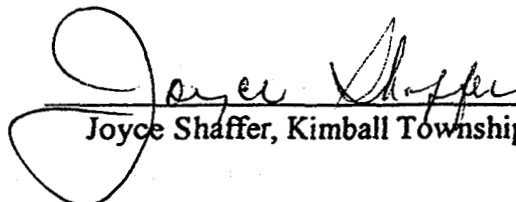
AYES: STURDEVANT, KILROY, SUTHERLAND, DEASE, ANGLEBRANDT, SHAFFER

NAYS: NONE

RESOLUTION DECLARED ADOPTED.

Certification

I, Joyce Shaffer, Clerk of the Township of Kimball, hereby certify that said Resolution
has been adopted by the Kimball Township Board of Trustees on the 21st
day of November, 2000.


Joyce Shaffer, Kimball Township Clerk

Approved As to Form:

Township Attorney

RECEIVED

OCT 23 2000

S. C. C. M. P. C.

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Lynn on

OCTOBER 11, 2000, it is hereby resolved that we:
date

xx approve

 disapprove

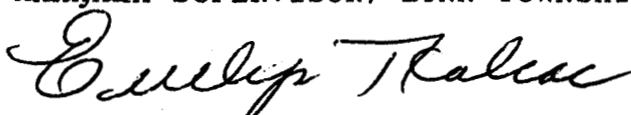
the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date:

GEORGE KALBFLEISCH

~~Mayor~~ SUPERVISOR, LYNN TOWNSHIP, ST. CLAIR COUNTY



EVELYN TKALCAC

~~City~~ Clerk

DELMER MANDEVILLE, TRUSTEE

Witnessed By

Please complete this form and return by September 29, 2000 to:

Pat Acciavatti, Chairman
St. Clair County Board of Commissioners
200 Grand River Avenue, Suite 201
Port Huron, Michigan 48060

MINUTES OF OCTOBER 11, 2000

MOTION BY KALBFLEISCH SUPPORTED BY MANDEVILLE TO APPROVE THE RESOLUTION OF THE 2000 UPDATE OF THE ST. CLAIR COUNTY SOLID WASTE MENAGEMENT PLAN.

ALL AYES. MOTION CARRIED

MI 15

**RILEY TOWNSHIP
ST. CLAIR COUNTY, MICHIGAN**

RESOLUTION NO. 23-00

WHEREAS, the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County; and

NOW, THEREFORE, BE IT RESOLVED, That Riley Township, by action of the Board of Trustees of the Township of Riley on October 2, 2000, did Approve the 2000 Update of the St. Clair County Solid Waste Management Plan; and

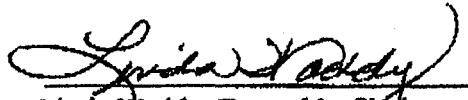
FURTHER, Motion to adopt this Resolution was made by Linda Hannon, seconded by Linda Waddy.

AYES: 5

NAYS: 0

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board of the Township of Riley, St. Clair County, Michigan at a regular meeting held on October 2, 2000, and that said meeting was conducted and public notice was given in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan 1976, and that the minutes were kept and will be or have been made available as required by said Act.


Linda Waddy, Township Clerk

**Resolution for Approval or Disapproval
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of St. Clair on

October 23, 2000, it is hereby resolved that we:
date

 X approve

 disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

Date: 10/23/00

Howard Silk

Howard Silk, Acting Chairman

Joyce A Skonieczny

Clerk, Joyce Skonieczny

Deborah Rickert

Witnessed By Deborah Rickert

Please complete this form and return to:

Geoffrey Donaldson, Environmental Planner
St. Clair County
Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

RECEIVED
OCT 30 2000
S. C. C. M. P. C.

**Resolution for Approval or Disapproval # 2000-12
of the
2000 Update of the St. Clair County Solid Waste Management Plan**

By action of the Board of Trustees of the Township of Wales on

November 14, 2000, it is hereby resolved that we:
date


Did _____ approve

_____ disapprove

the 2000 Update of the St. Clair County Solid Waste Management Plan, prepared pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994, P.A. 451, as amended, and the rules promulgated thereunder, for St. Clair County.

*Community
Seal/Stamp*

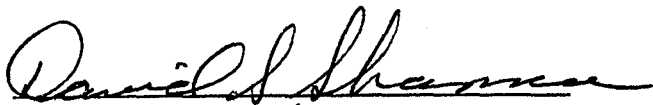
Date: 11/14/00



Supervisor



Clerk



Witnessed By

Please complete this form and return to:

Geoffrey Donaldson, Environmental Planner
St. Clair County
Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, Michigan 48060

Appendix D

Attachments

ATTACHMENTS

ATTACHMENTS

APPENDIX D

Plan Implementation Strategy

The following discusses how the County intends to implement the plan and provides documentation of acceptance of responsibilities from all entities that will be performing a role in the Plan.

TABLE III-7

Management Components	Timeline
Collection and Transportation of Solid Waste	Ongoing
Disposal of Solid Waste <ul style="list-style-type: none">Implementation of Scales at Smiths Creek Landfill	Ongoing <ul style="list-style-type: none">2000
Resource Recovery <ul style="list-style-type: none">County Recycling Drop-Off Sites (add one additional site)Expand Recycling Program to Collect Additional Materials, as FeasibleExpand the efforts and responsibilities of the Health Department in the areas of Resource Recovery and Pollution Prevention	Ongoing <ul style="list-style-type: none">2000OngoingOngoing
Household Hazardous Materials Collection	Ongoing
Composting <ul style="list-style-type: none">Promote Home and Municipal Composting	Ongoing <ul style="list-style-type: none">Ongoing
Resource Conservation and Waste Reduction	Ongoing
Public Information and Education	Ongoing

ATTACHMENTS

Resolutions

The following are resolutions from County Board of Commissioners approving municipality's request to be included in an adjacent County's Plan.

Following are resolutions 99-05 (St. Clair County) and 99-11 (Macomb County) approving the inclusion of the City of Memphis, in its entirety, in the Macomb County Solid Waste Management Planning Area:

RESOLUTION 99-05

ST. CLAIR COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, Part 115 of PA 451 of 1994, as amended, requires in part that "a municipality located on 2 Counties. . . may request to be included in the adjacent County's plan; and

WHEREAS, the request shall be approved by a resolution of the County Boards of Commissioners of the counties involved in order for such a municipality to be included in the Solid Waste Management Plan of the adjacent County; and

WHEREAS, the City of Memphis is located in both Macomb and St. Clair County; and

WHEREAS, the City of Memphis adopted a resolution at its regular meeting on December 15, 1998 to be included in and to adopt the Macomb County Solid Waste Management Plan when implemented.

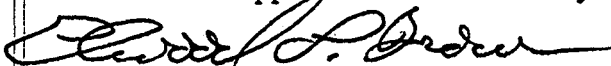
WHEREAS, the City of Memphis was formerly included in the St. Clair County Solid Waste Management Plan, approved by the MDEQ in 1990; and

WHEREAS, it is the intent of St. Clair County to approve the inclusion of the City of Memphis in the Macomb County Solid Waste Management Plan and to omit all of the City of Memphis from the 1999 St. Clair County Solid Waste Management Update Plan planning area.

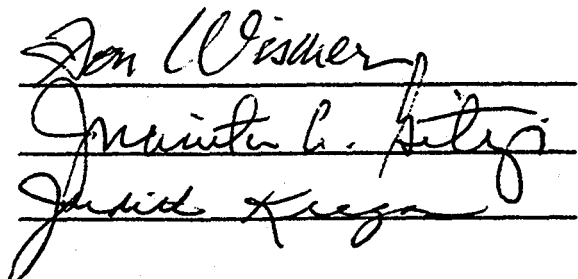
NOW, THEREFORE, BE IT RESOLVED, that the St. Clair County Board of Commissioners approve the inclusion of the City of Memphis in the Macomb County Solid Waste Management Plan Update planning area pursuant to Act 451 of 1994 as amended.

DATED: February 10, 1999

Reviewed and Approved as to Form by:



ELWOOD L. BROWN
County Corporation Counsel
301 County Building
Port Huron, MI 48060



MACOMB COUNTY BOARD OF COMMISSIONERS

ADMINISTRATION BUILDING

MOUNT CLEMENS, MICHIGAN 48043

Phone (810) 469-5125

Fax (810) 469-5993

Web <http://www.macomb.lib.mi.us/macomb>

JOHN C. HERTEL
CHAIRMAN

RALPH A. LIBERATO
VICE-CHAIRMAN

BOARD OF COMMISSIONERS

Philip A. Liberato
Vice-Chairman
District 1

Irvin E. Sauger
Sergeant-at-Arms
District 2

William A. DiMaria
District 3

Thomas J. Burdi
District 4

Thomas Olshove
District 5

John Flynn
District 6

Anthony Rocca
District 7

John J. Kolakowski
District 8

Robert Mijac
District 9

Thomas D. Sale
District 10

Robert Szczepanski
District 11

John Gillett
District 12

John Brown
District 13

John C. Hertel
Chairman
District 14

John Polyn Brandenburg
District 15

John Drolet
District 16

John L. Hill
District 17

Michael C. Sessa
District 18

Thomas M. Perna
District 19

Thomas M. White
District 20

Thomas Haggerty
District 21

Thomas M. Slinde
District 22

Thomas Masaymus
District 23

Thomas R. Frascetti
District 24

Thomas A. Kennard
District 25

RESOLUTION NO. 99-11

OFFICIAL RESOLUTION

OF THE BOARD OF COMMISSIONERS

MACOMB COUNTY, MICHIGAN

A RESOLUTION APPROVING THE INCLUSION OF THE PORTION OF THE CITY OF MEMPHIS OUTSIDE OF MACOMB COUNTY TO BE INCLUDED IN THE COUNTY SOLID WASTE MANAGEMENT PLAN AREA

WHEREAS, the Macomb County Board of Commissioners has accepted the responsibility to prepare the State required Solid Waste Management Plan Update under Part 115, Solid Waste Management of the Natural Resources and Environmental Protection Act, 1994 as amended, and

WHEREAS, the act specifies that the planning area essentially be the political jurisdictions composing that county, and

WHEREAS, jurisdictions located in two or more counties or adjacent to a county may be included, provided, by resolution, the involved counties approve the inclusion, and

WHEREAS, since the approval of the original Macomb County Solid Waste Management Plan in 1982 and the Michigan Department of Environmental Quality prepared Update in 1994, the City of Memphis which is in both St. Clair and Macomb County has been included in the Macomb County Solid Waste Management Plan area, and

WHEREAS, the Macomb County Solid Waste Plan Update 1998 proposes to continue this planning relationship of nearly 20 years.


NOW, THEREFORE, BE IT RESOLVED that the Macomb County Board of Commissioners approve the inclusion of the total geographical area of Memphis in the Macomb County Solid Waste Management Plan Update planning area pursuant to Act 451 of 1994 as amended.

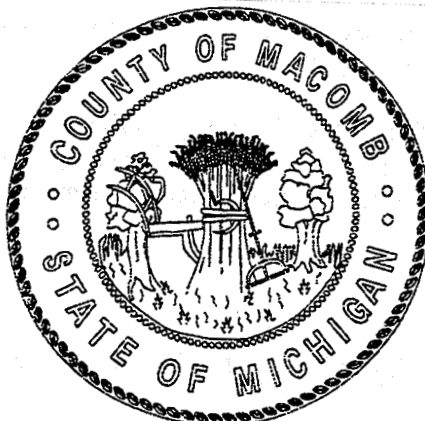
C:\Data Files\SOLIDWAS\PLAN97\Plan Area\Macomb Resolution.doc

RES. NO. 99-11

I, CARMELLA SABAUGH, CLERK OF THE MACOMB COUNTY BOARD OF COMMISSIONERS DO HEREBY CERTIFY THAT RESOLUTION 99-11 APPROVING THE INCLUSION OF THE PORTION OF THE CITY OF MEMPHIS OUTSIDE OF MACOMB COUNTY TO BE INCLUDED IN THE COUNTY SOLID WASTE MANAGEMENT PLAN AREA WAS ADOPTED ON FEBRUARY 18, 1999.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Seal of the Court at Mount Clemens, Michigan, this 22nd day of February, 1999.


CARMELLA SABAUGH, CLERK



ATTACHMENTS

Listed Capacity

Documentation from landfills that the County has access to their listed capacity.



Smiths Creek Landfill

County of St. Clair, Michigan

6779 Smiths Creek Road, Smiths Creek, MI 48074 / (810) 367-3061
J. Lawrence O'Keefe — Landfill Manager

July 24, 2000

Mr. Geoffrey Donaldson
Environmental Planner
St. Clair County Metropolitan Planning Commission
200 Grand River Avenue; Suite 202
Port Huron, Michigan 48060

Dear Mr. Donaldson:

In response to your concern about guaranteed disposal capacity for all St. Clair County communities who express interest in utilizing Smiths Creek Landfill, I have enclosed excerpts from the March 2000 Landfill Planning Analysis produced by EMCON/OWT Solid Waste Services. The Draft of the 2000 Update of the St. Clair County Solid Waste Management Plan (Plan) identifies two of four areas of potential expansion:

- Vertical Expansion over the unclosed and unconstructed area
- Lateral Expansion adjacent to the current permitted solid waste boundary.

These areas of potential expansion are demonstrated in the attached maps from the Landfill Planning Analysis. It should also be noted that these maps include the locations used to perform the volume calculations I have provided you with. While present permitted area provides approximately 5,700,000 cubic yards of airspace or 15 years of site life, future capacity from listed expansion will provide 14,800,000 cubic yards of airspace or 35.9 years of site life.

The inclusion of these two possible future expansions in the Plan will assure St. Clair County of sufficient capacity to meet disposal requirements for many years to come, and eliminate the necessity for additional landfill development in the county area.

I trust this information is satisfactory.

Sincerely,



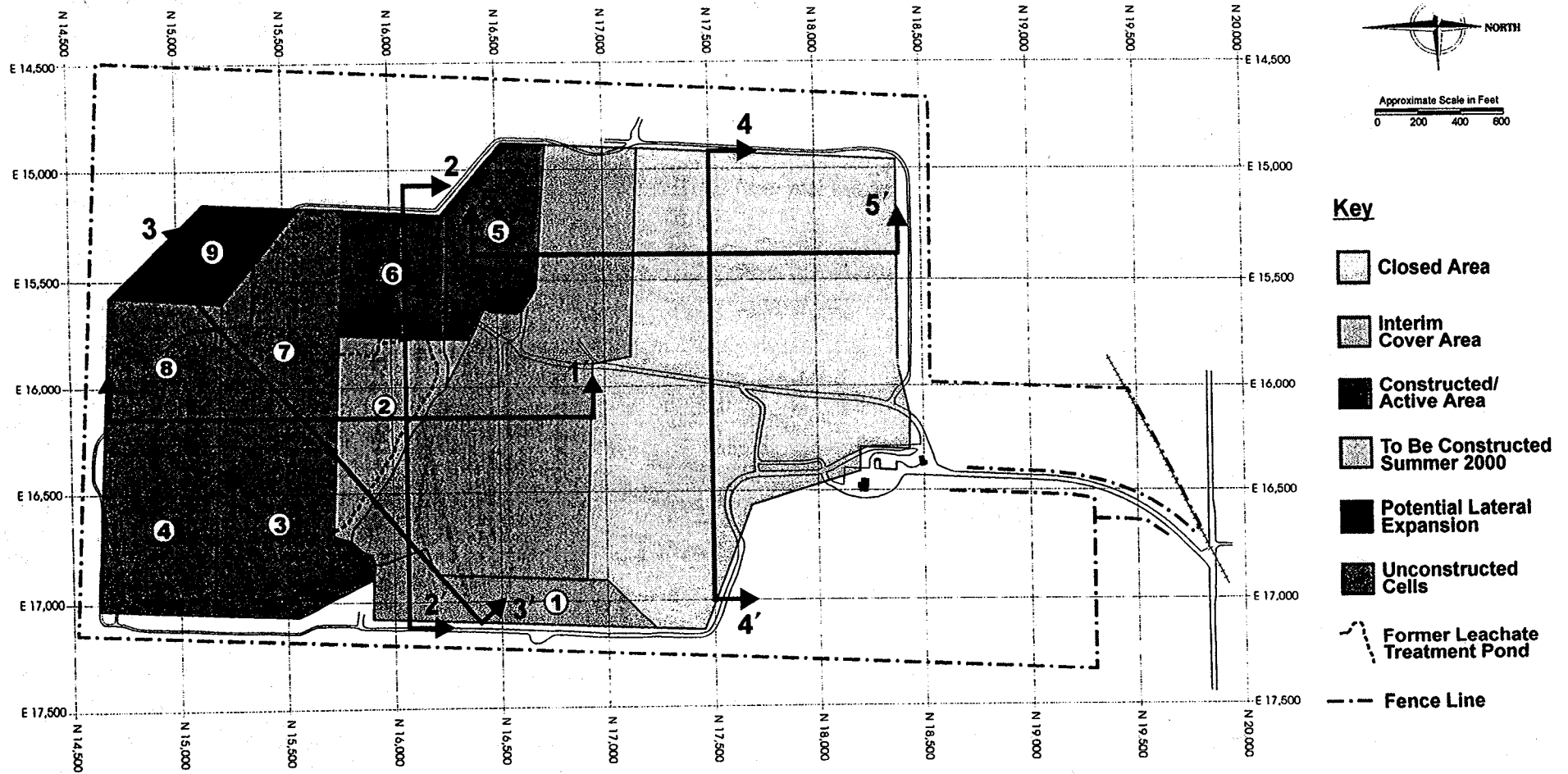
J. Lawrence O'Keefe

Landfill Manager

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Cross-Section Locations



EMCONOWT Solid Waste Services

LVSCD005.CDR 02/19/00 D05 CHD:RB

Smiths Creek Landfill

St. Clair County, Michigan

March 2000

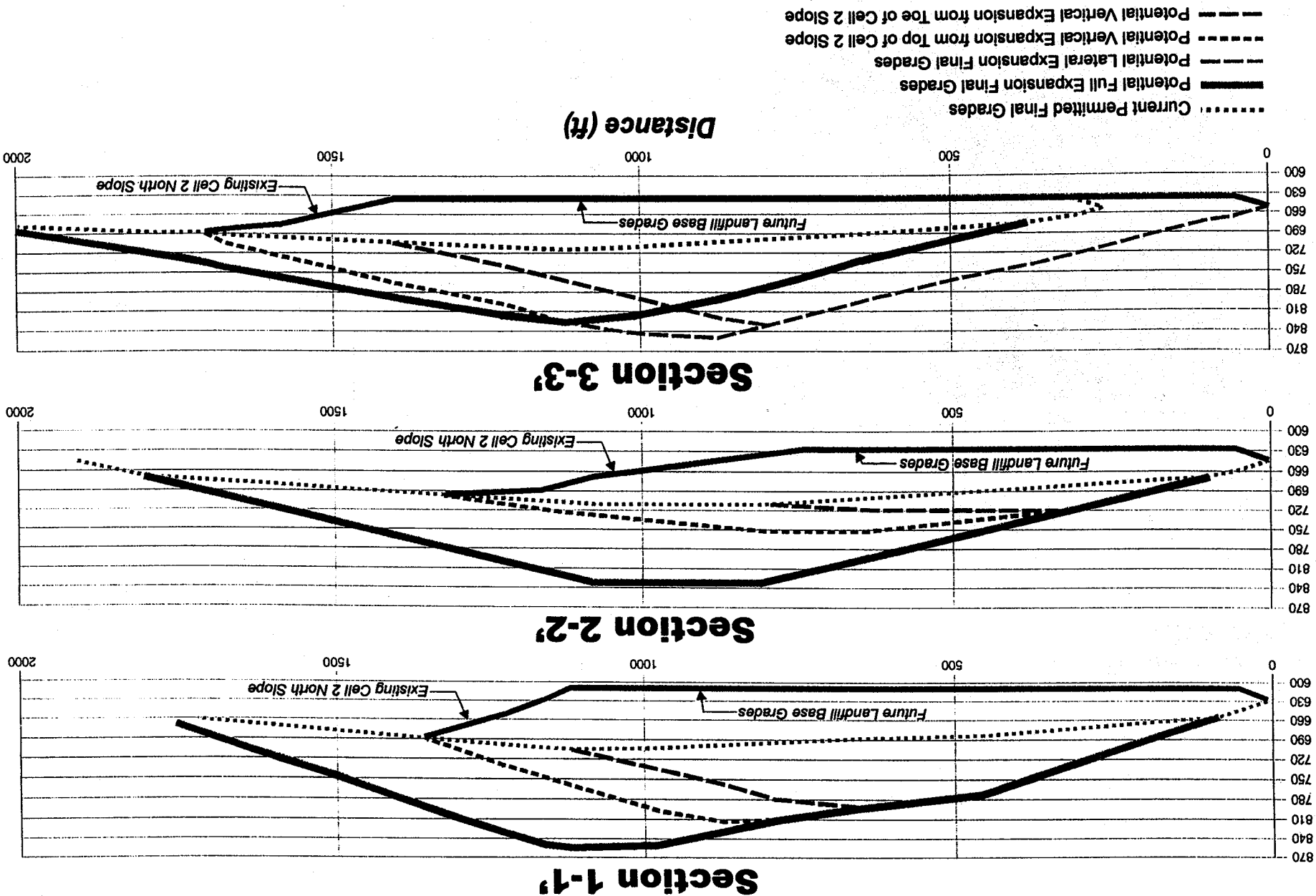


EMCONOWT Solid Waste Services

LVSCD012.CDR D08 2/23/00 D08 CHKD: RMB

Smiths Creek Landfill

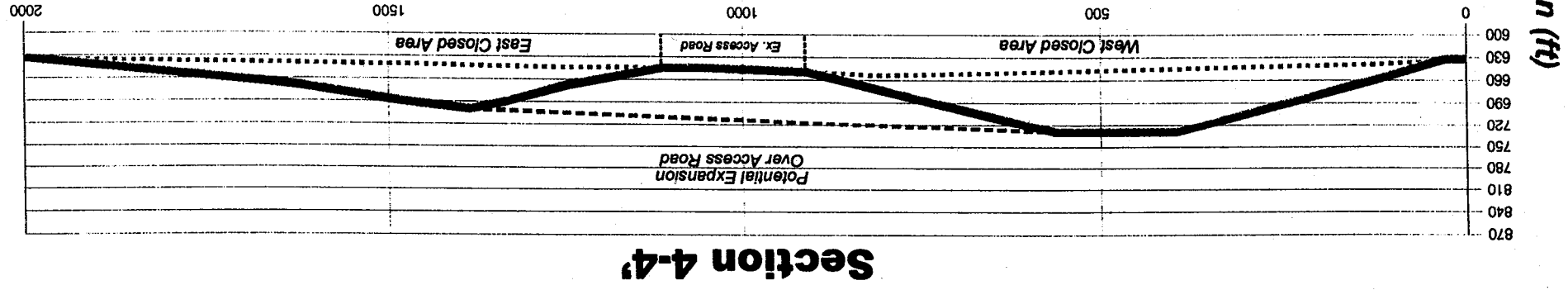
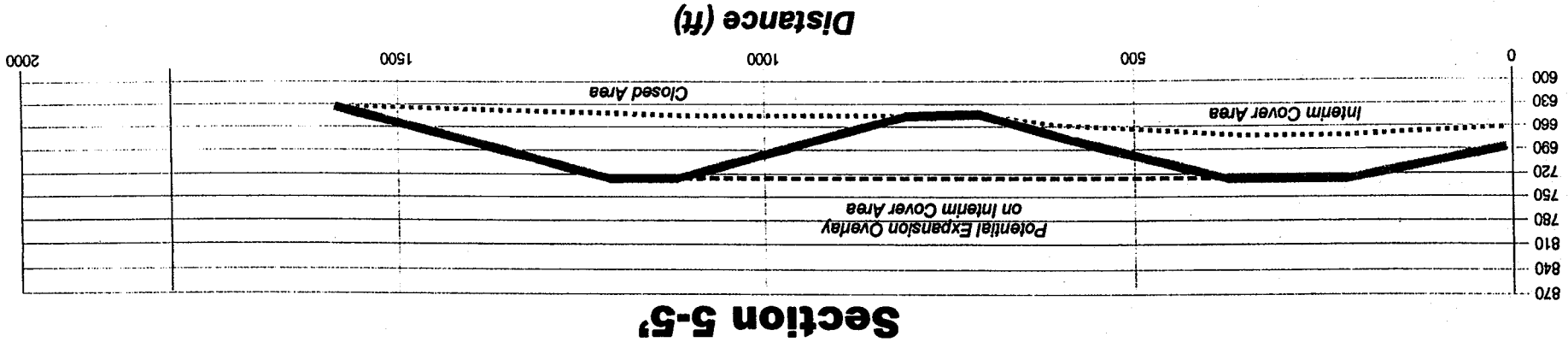
St. Clair County, Michigan
March 2000



Smiths Creek Landfill

St. Clair County, Michigan
March 2000

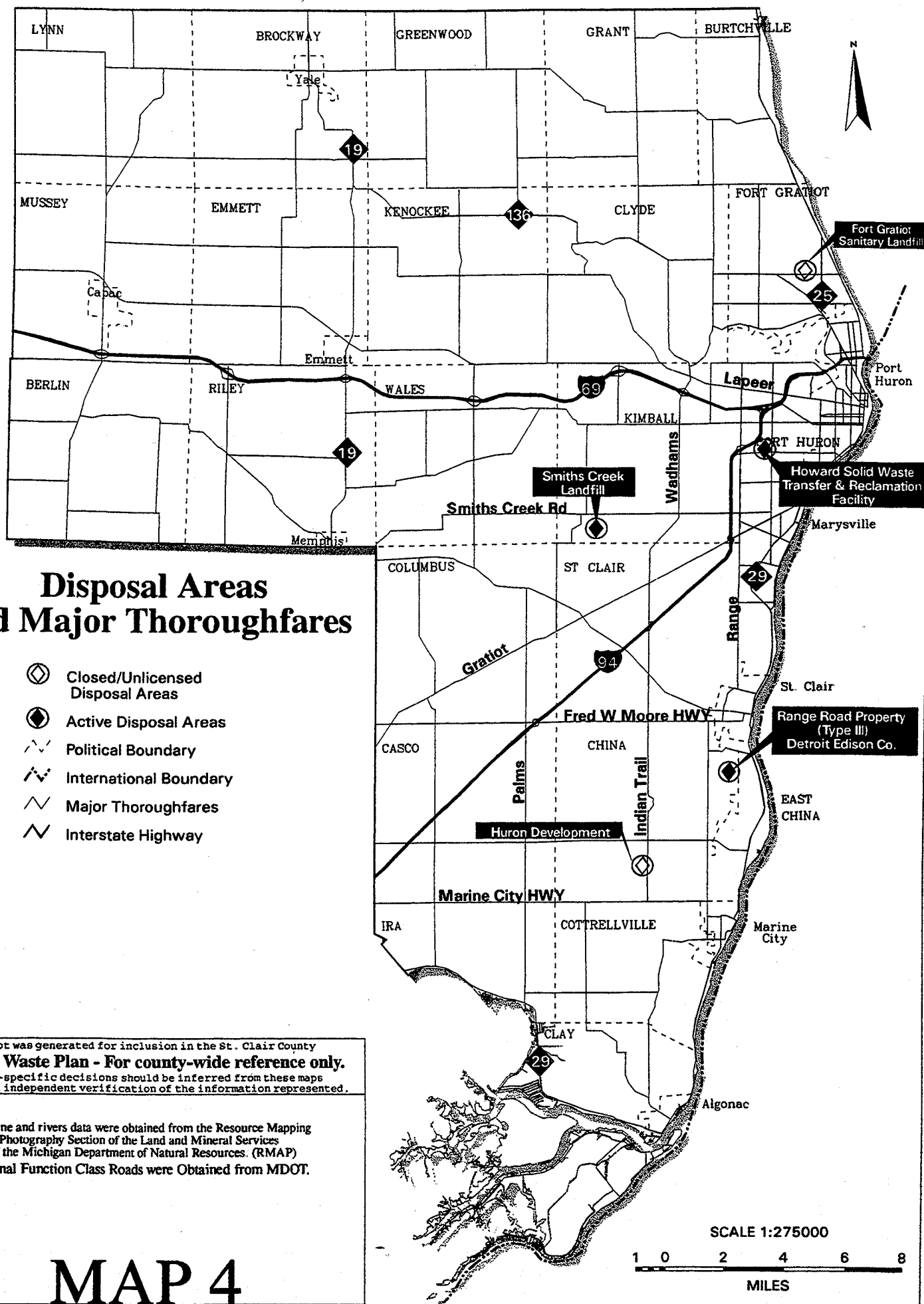
..... Current Permitted Final Grades
—— Potential Full Expansion Final Grades



ATTACHMENTS

Maps

Maps showing locations of solid waste disposal facilities used by the County.

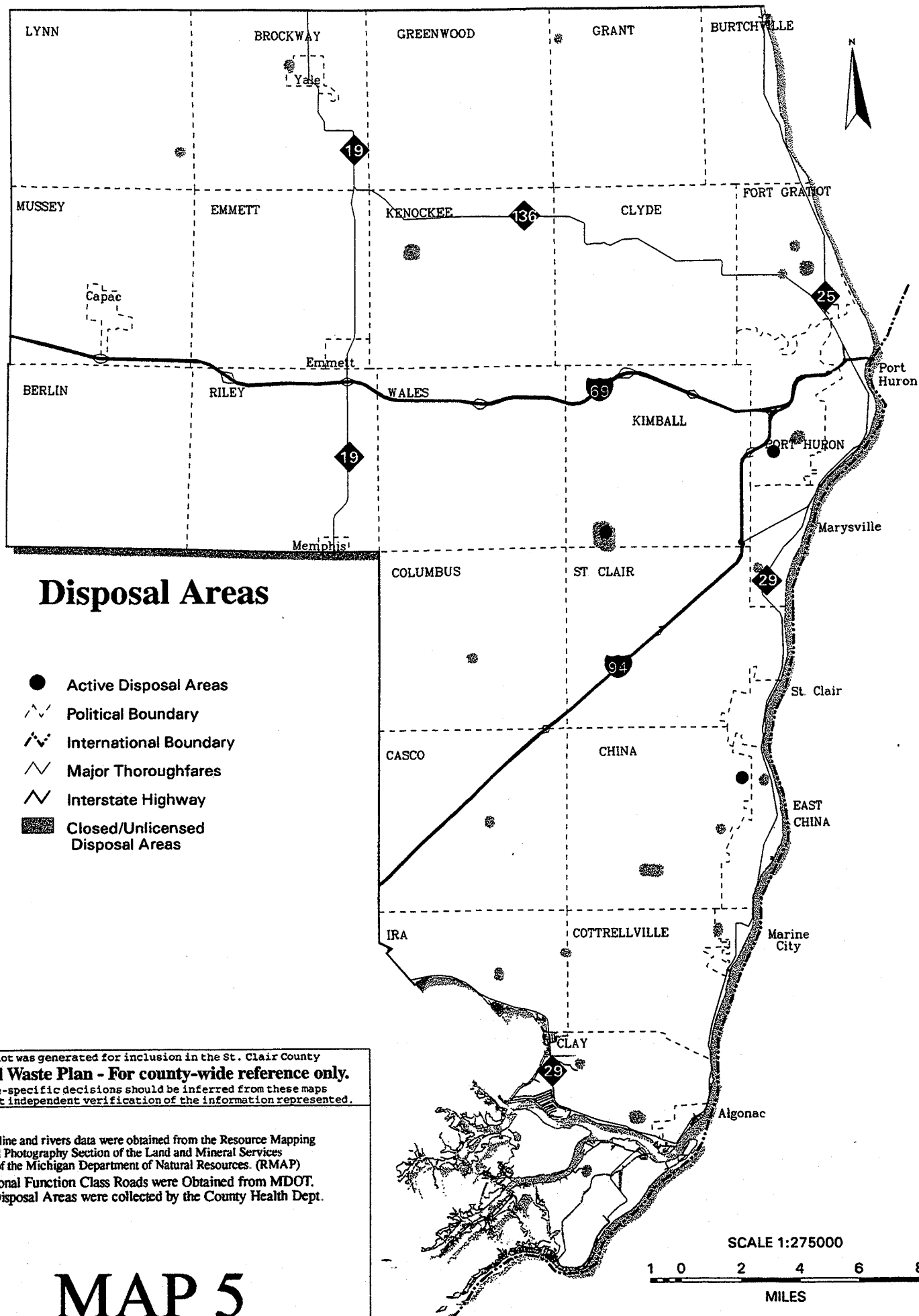


This plot was generated for inclusion in the St. Clair County
Solid Waste Plan - For county-wide reference only.
 No site-specific decisions should be inferred from these maps
 without independent verification of the information represented.

Sources:

The shoreline and rivers data were obtained from the Resource Mapping
 and Aerial Photography Section of the Land and Mineral Services
 Division of the Michigan Department of Natural Resources. (RMAP)
 The National Function Class Roads were Obtained from MDOT.

MAP 4



This plot was generated for inclusion in the St. Clair County
Solid Waste Plan - For county-wide reference only.
 No site-specific decisions should be inferred from these maps
 without independent verification of the information represented.

Sources:

The shoreline and rivers data were obtained from the Resource Mapping
 and Aerial Photography Section of the Land and Mineral Services
 Division of the Michigan Department of Natural Resources. (RMAP)

The National Function Class Roads were Obtained from MDOT.
 Closed Disposal Areas were collected by the County Health Dept.

ATTACHMENTS

Inter-County Agreements

Copies of Inter-County agreements with other Counties (if any).

See Special Conditions in Appendix D (D-8).

ATTACHMENTS

Special Conditions

Special conditions affecting import or export of solid waste.

1. Ash imported from Huron County shall be limited to that generated at Edison's Harbor Beach Power Plant and shall be limited to an annual average of one truck-load per day.
2. An emergency situation requires that there be no operating Type II landfills in the exporting county before they request implementation of the emergency inter-county contingency plan. St. Clair County would request that contact be made as soon as it becomes apparent that an emergency may be forthcoming, and also require documentation and notification of the extent and nature of the emergency. In no event shall the emergency situation continue beyond a period of six months from the date of disposal in St. Clair County unless it is agreed in writing by both counties to continue for an additional period of time. If such a mutual agreement is not reached by before six months from the date of disposal in St. Clair County under the emergency temporary agreement, such disposal must cease and would not be in compliance with St. Clair County's Solid Waste Management Plan.

In turn, the St. Clair County Solid Waste Management Planning Committee and the St. Clair County Board of Commissioners asks that Huron County and Sanilac County provide for an import authorization of St. Clair County solid waste on an emergency contingency condition only. The terms of this emergency contingency condition would be the same as those which are outlined above.



METROPOLITAN PLANNING COMMISSION

County of St. Clair, Michigan

200 GRAND RIVER, PORT HURON, MICHIGAN 48060

(810) 989-6950

GORDON RUTTAN, DIRECTOR

August 24, 1999

Ms. Amy Braun
Huron County Economic Development Corp.
250 East Huron Street
Room No. 3
Bad Axe, MI 48413

Dear Ms. Braun:

Subject: Harbor Beach Power Plant Ash Disposal

In its regularly scheduled meeting on August 9, 1999 the St. Clair County Solid Waste Management Planning Committee (the Committee) unanimously approved the inclusion of the Range Road Ash Disposal Facility in the 1999 Update of the St. Clair County Solid Waste Management Plan. In doing so, the Committee also authorized the importation of fly ash from the Harbor Beach Power Plant in Huron County at the Range Road Ash Disposal Facility in St. Clair County. As outlined by the D.T.E. Energy Company in its application to be included in the Update Plan, the importation of ash is to be limited to an average of one truck-load per day.

To clarify the import volume authorization of solid waste in St. Clair County's Solid Waste Management Plan, the St. Clair County Solid Waste Management Planning Committee has listed the authorized conditions in the Update Plan with an (*) asterisk indicating other conditions exist and detailed explanation is included in the Attachment Section. In the Special Conditions section of the appendix of the Update Plan, we have specified the following:

"Ash imported from Huron County shall be limited to that generated at Edison's Harbor Beach Power Plant and shall be limited to an annual average of one truck-load per day."

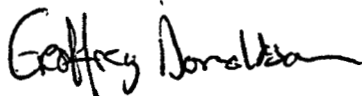
A Government of Service



Ms. Amy Braun
Page 2
August 24, 1999

If you should have any questions please contact me at (810) 989-6950. Thank you.

Sincerely,



Geoffrey Donaldson
Environmental Planner

GD/gd

cc: Mr. Carl J. Osentoski
Mr. Randy Teufel, D.T.E. Energy Co.



METROPOLITAN PLANNING COMMISSION

County of St. Clair, Michigan

200 GRAND RIVER, PORT HURON, MICHIGAN 48060

(810) 989-6950

GORDON RUTTAN, DIRECTOR

August 24, 1999

Ms. Amy Braun
Huron County Economic Development Corp.
250 East Huron Street
Room No. 3
Bad Axe, MI 48413

Dear Ms. Braun:

Subject: Contingency Disposal Authorization

In past Updates of the St. Clair County Solid Waste Management Plan, the St. Clair County Solid Waste Management Planning Committee (The Committee) discussed inter-county contingency planning in emergencies by counties outside of St. Clair. The Committee is unanimous in allowing the disposal of wastes generated by Huron County to be disposed of in St. Clair County under emergency situations, i.e. closure of all county landfills by the MDEQ; closure by natural disaster or voluntary closure by the operator of the landfill.

An emergency situation requires that there be no operating Type II landfills in Huron County before requesting implementation of the emergency inter-county contingency plan. St. Clair County would request that contact be made as soon as it becomes apparent that an emergency may be forthcoming, and also require documentation and notification of the extent and nature of the emergency. In no event shall the emergency situation continue beyond a period of six months from the date of disposal in St. Clair County unless it is agreed in writing by both counties to continue for an additional period of time. If such a mutual agreement is not reached by before six months from the date of disposal in St. Clair County under the emergency temporary agreement, such disposal must cease and would not be in compliance with St. Clair County's Solid Waste Management Plan.

In turn, the St. Clair County Solid Waste Management Planning Committee and the St. Clair County Board of Commissioners asks that Huron County provides for an import authorization of St. Clair County solid waste on an emergency contingency condition only. The terms of

A Government of Service



Ms. Amy Braun
Page 2
August 24, 1999

this emergency contingency condition would be the same as those which are outlined for the disposal of Huron County waste in St. Clair County under emergency contingency conditions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Geoffrey Donaldson", with a stylized flourish at the end.

Geoffrey Donaldson

GD/gd

cc: Mr. Carl J. Osentoski



METROPOLITAN PLANNING COMMISSION

County of St. Clair, Michigan

200 GRAND RIVER, PORT HURON, MICHIGAN 48060

(810) 989-6950

GORDON RUTTAN, DIRECTOR

August 20, 1999

Ms. Helen Takcs
Sanilac County Board of Commissioners
c/o County Court House
Sandusky, MI 48471

Dear Ms. Takcs:

Subject: Contingency Disposal Authorization

In past Updates of the St. Clair County Solid Waste Management Plan, the St. Clair County Solid Waste Management Planning Committee (The Committee) discussed inter-county contingency planning in emergencies by counties outside of St. Clair. The Committee is unanimous in allowing the disposal of wastes generated by Sanilac County to be disposed of in St. Clair County under emergency situations, i.e. closure of all county landfills by the MDEQ; closure by natural disaster or voluntary closure by the operator of the landfill.

An emergency situation requires that there be no operating Type II landfills in Sanilac County before requesting implementation of the emergency inter-county contingency plan. St. Clair County would request that contact be made as soon as it becomes apparent that an emergency may be forthcoming, and also require documentation and notification of the extent and nature of the emergency. In no event shall the emergency situation continue beyond a period of six months from the date of disposal in St. Clair County unless it is agreed in writing by both counties to continue for an additional period of time. If such a mutual agreement is not reached by before six months from the date of disposal in St. Clair County under the emergency temporary agreement, such disposal must cease and would not be in compliance with St. Clair County's Solid Waste Management Plan.

In turn, the St. Clair County Solid Waste Management Planning Committee and the St. Clair County Board of Commissioners asks that Sanilac County provides for an import authorization of St. Clair County solid waste on an emergency contingency condition only. The terms of this emergency contingency condition would be the same as those which are

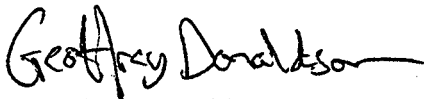
A Government of Service



Ms. Helen Takcs
Page 2
August 24, 1999

outlined for the disposal of Sanilac County waste in St. Clair County under emergency contingency conditions.

Sincerely,

A handwritten signature in cursive script that reads "Geoffrey Donaldson".

Geoffrey Donaldson
Environmental Planner

GD/gd

cc: Ms. Susan Fortune
Mr. Douglas A. Bell, AICP

ATTACHMENTS

Educational Information

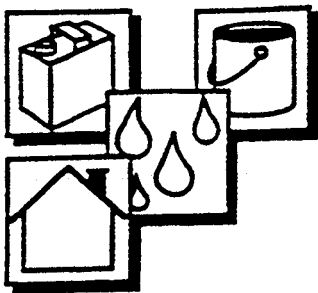
The following are examples of information provided to the public regarding recycling, composting and household hazardous waste programs.



ST. CLAIR COUNTY
SOLID WASTE MANAGEMENT PLANNING COMMITTEE
c/o Metropolitan Planning Commission
200 Grand River Avenue, Suite 202
Port Huron, MI 48060
(810) 989-6950

RECYCLING DROP-OFF LOCATIONS

DROP-OFF LOCATION	LOCATION ADDRESS
Burchville Twp	Township Hall 4000 Burtch Road Lake Port, MI
China Twp	Township Hall 4560 Indian Trail Road China, MI
Clay Twp	Harsens Island Fire Department 254 La Croix
Clay Twp	Township Hall 4710 Pte. Tremble Road Algonac, MI 48001
Fort Gratiot Twp	Dept. of Public Works 3815 Keewahdin Road Fort Gratiot, MI
Ira Twp	Township Hall 7085 Meldrum Road Fair Haven, MI
Kimball Twp	Smiths Creek Landfill 6779 Smiths Creek Road Smiths Creek, MI
Memphis, City of	Memphis DPW 81631 Belle River Road Memphis, MI



ST. CLAIR COUNTY RESOURCE RECOVERY OFFICE

HOUSEHOLD PESTICIDES

a household hazardous waste fact sheet

PESTICIDES: HOUSEHOLD HAZARDOUS WASTES

Pesticides are chemicals designed to control pests such as weeds, insects and rodents. They can be poisonous to pets, livestock, wildlife and humans and some are banned or restricted because they have long-lasting hazardous effects on the environment. Throwing pesticides in the trash, on the ground or down a drain can pollute lakes, streams and drinking water.

This fact sheet provides instructions for household pesticide disposal. The St. Clair County Resource Recovery Office also has fact sheets on how to dispose of other common types of household hazardous waste:

- Adhesives
- Aerosol Containers
- Antifreeze
- Cleaners, Medications, and Cosmetics
- Gasoline
- Paint
- Solvents
- Wood Preservatives

For more information on household hazardous wastes and collection programs contact:

St. Clair County
Resource Recovery Office

(810) 367-3061

LEFTOVER PESTICIDES: USE THEM UP!

Three common categories of household pesticides are:

- Herbicides: chemicals designed to kill plants.
- Insecticides: chemicals designed to kill insects.
- Rodenticides: chemicals designed to kill rodents.

The best way to get rid of leftover pesticides is to use them up! Follow the instructions on the pesticide label and do not overuse pesticides. Rinse empty pesticide containers three times before throwing them in the trash and use the rinse water as a pesticide. Do not burn or reuse pesticide containers.

If you can't reuse your pesticides, give them to some who can. Give leftover pesticides to:

- neighbors and friends
- greenhouses and plant nurseries
- city parks
- garden clubs

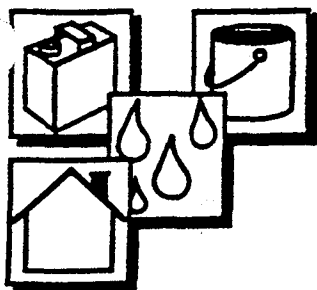
Contact your county extension office for names of others who can use leftover pesticides. **Do not use or give away pesticides that are banned, unlabeled or damaged.** Damaged pesticides include caked powders, liquids that have been frozen and pesticides that have been mixed with other products.

BANNED PESTICIDES

Most banned pesticides will contain one of the following ingredients. Check to product's label for:

- Aldrin
- Chlordane
- DDT
- Dieldrin
- Endrin
- 2,4,5-T
- Silvex
- Sodium arsenate (more than 2%)
- Sodium cyanide
- Toxaphene

This is not a complete list. If your pesticide is more than 10 years old, contact the Michigan Department of Agriculture or your local cooperative extension office to check if it is banned.



ST. CLAIR COUNTY RESOURCE RECOVERY OFFICE

PRODUCTS IN AEROSOL CANS

a household hazardous waste fact sheet

AEROSOL CANS: HOUSEHOLD HAZARDOUS WASTES

Aerosol containers are pressurized and often contain flammable or poisonous chemicals. When disposed of in the trash, the containers may be punctured in the garbage truck or at a landfill or incinerator, causing explosions, fires or injuries to sanitation workers.

This fact sheet provides instructions for disposal of products in aerosol containers. The St. Clair County Resource Recovery Office also has fact sheets on how to dispose of other common types of household hazardous waste:

- Adhesives
- Antifreeze
- Cleaners, Medications, and Cosmetics
- Gasoline
- Paint
- Pesticides
- Solvents
- Wood Preservatives

For more information on household hazardous wastes and collection programs contact:

St. Clair County
Resource Recovery Office

(810) 367-3061

PRODUCTS IN AEROSOL CANS: USE IT UP!

The best way to get rid of products in aerosol containers, **unless they contain banned pesticides**, is to use them up following label directions. If you can't use them up, give them to someone who can. Try giving products in aerosol containers to:

- friends and relatives
- schools and businesses
- community groups
- businesses

DISPOSAL: Empty Containers

Once an aerosol container is completely empty, so that you can no longer hear any air releasing, you can throw it away with your trash. If you can still hear air releasing, follow the instructions below to depressurize the container.

DISPOSAL: When You Can't Use It Up

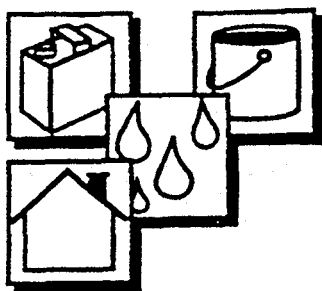
Almost-empty containers:

Almost-empty aerosol containers can be emptied and depressurized following the directions below. **Do not use this procedure for containers of pesticides or prescription medicine.** Follow the instructions on the back for pesticides and medicines in aerosol containers.

Step 1: Find an outside work area, away from children and pets. Avoid inhaling vapors, stay upwind of where you are spraying, and follow all safety precautions suggested on the container label.

Step 2: Completely empty the container. Spray the contents into a cardboard box until you can no longer hear air releasing from the container. If the nozzle is plugged, try replacing the nozzle with one from a different container.

Step 3: When the container is empty and completely depressurized, throw the container and the cardboard box in the trash.



ST. CLAIR COUNTY RESOURCE RECOVERY OFFICE

PERSONAL-CARE PRODUCTS

a household hazardous waste fact sheet

PERSONAL-CARE PRODUCTS: HOUSEHOLD HAZARDOUS WASTES

Most personal-care products, such as medicines, skin-care products, and other items commonly used on skin and hair, are not considered an environmental hazard in their disposal. Only a few personal-care products are considered hazardous waste when they are not used up.

This fact sheet provides instructions for disposal of personal care products. The St. Clair County Resource Recovery Office also has fact sheets on how to dispose of other common types of household hazardous waste:

Adhesives
Aerosol Containers
Antifreeze
Gasoline
Household Cleaners
Paint
Pesticides
Solvents
Wood Preservatives

For more information on household hazardous wastes and collection programs contact:

St. Clair County
Resource Recovery Office

(810) 367-3061

PERSONAL-CARE PRODUCTS: USE THEM UP!

Personal-care products include:

- cosmetics
- lotions and gels
- prescription medications
- non-prescription medications
- sun screens and blocks
- skin and hair-care products
- perfumes and aftershaves
- toothpaste and mouthwash
- soaps
- other items for personal use

Although most of these products are not considered hazardous waste and can be disposed of at home, in most cases it is better to use up the products than to throw them away. If you don't have a use for these items, give them to someone who can use them up.

DISPOSAL: When you can't use it up.

Medications: Prescription and non-prescription medications, except for chemotherapy drugs, can be flushed down a toilet connected to a sanitary sewer system. Sanitary sewers systems lead to wastewater treatment plants, where the chemicals in these products are broken down.

If you have a backyard septic tank, experts generally advise that you not dispose of products in your system because of the risk of destroying the bacteria that make the system function. Instead, dispose of items by taking them to a relative's or friend's house that is connected to sanitary sewer.

Medicinal creams and other medicines that cannot easily be poured down a toilet can be disposed of in your regular trash.

Chemotherapy drugs are hazardous wastes and should be returned to the hospital or pharmacy where you purchased or received them. Be very careful when handling these medications -- they are extremely toxic.

Other personal-care products: Cosmetics, skin and hair-care products, and other personal-use items can be disposed of in a sanitary sewer system if they are liquids or in the trash if they are solids. The only exceptions are nail polish, nail polish remover and products in aerosol containers.

Nail polish should be dried out and hardened before it is thrown away. Do this by opening the cap and allowing the contents to dry, in an outside area away from children, pets, and sources of heat or flame. Once the contents are completely dry and hardened, the container can be thrown in the trash.

Nail-polish remover is a flammable solvent and should not be poured down the drain because of the risk of explosion in the sewer system. Nail-polish remover that can't be used up should be saved for a household hazardous waste collection. Call the St. Clair County Resource Recovery Office at (313) 367-3061 for information on collection dates and times.

Personal-care products in aerosol containers, such as hair spray and deodorants, should not be thrown in the trash unless they are completely empty and depressurized. A separate fact sheet discusses methods for disposing of products in aerosol containers.

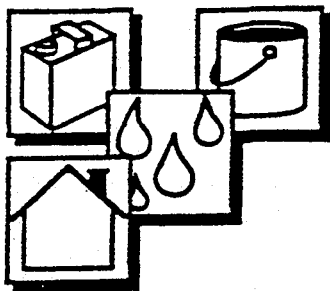
ENVIRONMENTAL TIPS FOR CONSUMERS

Disposal of certain personal-care products can be an environmental hazard. But the disposal hazards can easily be avoided by being an environmentally-conscious consumer.

Avoid buying personal-care products in aerosol containers. Buy products in pump sprays, lotions or solids instead. Most products are readily available in non-aerosol forms.

Use up nail polish and nail polish remover, or give it to a friend to use up. You won't end up with a disposal problem.

Dispose of expired medications, following the disposal advice in this fact sheet. Stored medications pose a poisoning risk to children.



ST. CLAIR COUNTY RESOURCE RECOVERY OFFICE

HOUSEHOLD SOLVENTS

a household hazardous waste fact sheet

SOLVENTS:

HOUSEHOLD HAZARDOUS WASTES

Household solvents contain the same chemicals as strictly regulated industrial solvents. Many solvents are poisonous when swallowed or absorbed through the skin and lungs and most are flammable. When solvents are disposed of improperly -- in the trash, on the ground or down a drain -- the hazardous chemicals may contaminate lakes, streams and ground water. Many chemicals found in landfills contaminate ground water, but solvents are a primary concern.

This fact sheet provides instructions for solvent disposal. The St. Clair County Resource Recovery Office also has fact sheets on how to dispose of other common types of household hazardous waste:

- Adhesives
- Aerosol Containers
- Antifreeze
- Cleaners, Medications, and Cosmetics
- Gasoline
- Paint
- Pesticides
- Wood Preservatives

For more information on household hazardous wastes and collection programs contact:

St. Clair County
Resource Recovery Office

(810) 367-3061

HOUSEHOLD SOLVENTS

Solvents are chemicals that dissolve other substances. Common household solvents are:

- paint thinner
- septic tank cleaners
- spot removers
- paint remover
- gasoline additives
- gas-line deicers
- paint stripper
- machinery degreasers
- nail polish removers
- rubbing, wood alcohol
- grease, stain removers

LEFTOVER SOLVENTS: Use Them Up!

The best thing to do with leftover solvents is to use them up or store them for later use! When using solvents, be sure to follow safety instructions on the container label.

If you cannot use your solvents, give them to someone who can. Give leftover solvents to:

- friends, relatives and neighbors
- graphic arts businesses
- furniture, antique refinishing shops
- auto and small engine shops
- artists
- dry cleaners
- painters
- body shops

USED PAINT THINNER: Recycle It!

Paint thinner that has been used to clean up paint brushes and supplies can be cleaned and reused. Follow these easy steps:

Step 1: Work in an outdoor area, away from children and pets. Never smoke while handling paint thinner, and work away from sparks, heat or flame. Wear the protective clothing suggested on the product label for working with the solvent, and avoid breathing solvent fumes.

Step 2: Pour the used thinner into a transparent container with a good seal and store it in an area away from children, pets, and sources of heat or flame. In a few weeks or months, depending on how much used solvent you have, the dissolved paint will settle to the bottom of the container.

Step 3: When the paint has settled, carefully pour the clean solvent off the top. This thinner can be reused, and used thinner can be recycled this way several times.

Step 4: Pour the remaining paint sludge back into your oil-based paint. If you can't do this, you can allow the remaining paint sludge to dry completely -- outdoors in an area away from children, pets, and flames or sparks -- and place it in the trash. Drying out the leftover sludge is not the preferred method because the chemicals are being released to the air; therefore, homeowners should handle the sludge by pouring it back into the oil-based paint.

DISPOSAL: When you can't use it up.

For leftover scrapings from paint-stripping projects:

The dried scrapings from paint-stripping projects can be thrown away in your regular trash, unless you suspect that the stripped paint contained lead. If the paint contained lead, the scrapings should be taken to a household hazardous waste collection. Call the St. Clair County Resource Recovery Office at (313) 367-3061 for collection dates and times. Until then, store the scrapings in a plastic bag or other sealed container, away from children and pets.

For all other solvents:

If you can't use the product up, or find someone to use it up, the only way to dispose of household solvents is through a household hazardous waste collection program. Call the St. Clair County Resource Recovery Office for further information on collection programs.

ENVIRONMENTAL TIPS FOR CONSUMERS

Disposal of solvents is an environmental problem. And, it can be an inconvenience, too. To avoid future problems with leftover solvents, be a careful consumer now!

Make sure that a solvent is needed for your project before you buy one. Some non-hazardous alternatives are available.

Buy only the amount of solvent you need. Buy the smallest container available.

Buy mercury free latex paint instead of oil-based paint. You won't need a solvent for cleanup.

Always use solvents sparingly. For example, used paint thinner works well for pre-cleaning paint brushes. Then you will only need to use a small amount of new paint thinner to do the final cleaning.

Use up your leftover solvents before you buy more. And, don't mix solvents together, or mix them with other products.

Store leftover solvents carefully in original containers for future use. If stored properly, solvents stay in good condition and are usable for years.



RESOURCE RECOVERY OFFICE

County of St. Clair, Michigan

6779 SMITHS CREEK RD., SMITHS CREEK, MI 48074 / (810) 367-3061

J. LAWRENCE O'KEEFE — Resource Recovery Coordinator

**MICHIGAN USED MOTOR OIL COLLECTION PROGRAM
DO-IT YOURSELF USED MOTOR OIL COLLECTION CENTERS**

BUD'S GARAGE & AUTO MORTUARY
9436 Nook Rd, Algonac, MI
(810) 794-3741

CLATE'S PERFORMANCE, INC
590 Pte. Tremble Rd, Algonac, MI
(810) 794-7707

DON'S SERVICE
15050 Downey Rd, Capac, MI
(810) 395-7713

MARYSVILLE GOODYEAR TIRE & AUTO
3280 Gratiot Blvd, Marysville, MI
(810) 364-4700

MARYSVILLE METRO 25 CAR CARE
2929 Gratiot Blvd, Marysville, MI
(810) 364-6620

OIL CHANGE EXPRESS
901 Gratiot Blvd, Marysville, MI
(810) 364-4150

B & D SHELL
80521 Main St, Memphis, MI
(810) 392-2145

ST. CLAIR ENGINE REBUILDERS
12882 Masters Rd, Memphis, MI
(810) 392-3380

TRACTOR SUPPLY COMPANY
3375 Lapeer Rd, Port Huron, MI
(810) 984-3835

ZIMMER'S SALES & SERVICE
6667 St. Clair Hwy, St. Clair, MI
(810) 329-7136

CITY OF NEW BALTIMORE DPW
35389 Cricklewood Rd, New Baltimore, MI
(810) 725-9511

LINCOLN AUTO SERVICE
35361 23 Mile Rd, New Baltimore, MI
(810) 725-8111

TRACTOR SUPPLY COMPANY
33195 23 Mile Rd, New Baltimore, MI
(810) 716-1990

CAWOOD BUICK HONDA
2516 Pine Grove Ave, Port Huron, MI
(810) 987-3030

DOUG'S PERFORMANCE CENTER
3292 Lapeer Rd, Port Huron, MI
(810) 987-5291

HERBER'S COLLISION & SERVICE
2970 Lapeer Rd, Port Huron, MI
(810) 982-4595

HILLS GARAGE
1284 Range Rd, Port Huron, MI
(810) 364-8008

LEE'S AUTO & TRUCK REPAIR
2403 Griswold St, Port Huron, MI
(810) 984-8947

MCKINCH'S GARAGE
1424 Stanton St, Port Huron, MI
(810) 982-9051

A Government of Service





RESOURCE RECOVERY OFFICE

County of St. Clair, Michigan

6779 SMITHS CREEK RD., SMITHS CREEK, MI 48074 / (810) 367-3061

J. LAWRENCE O'KEEFE — Resource Recovery Coordinator

COUNTY OF ST. CLAIR
RESOURCE RECOVERY OFFICE

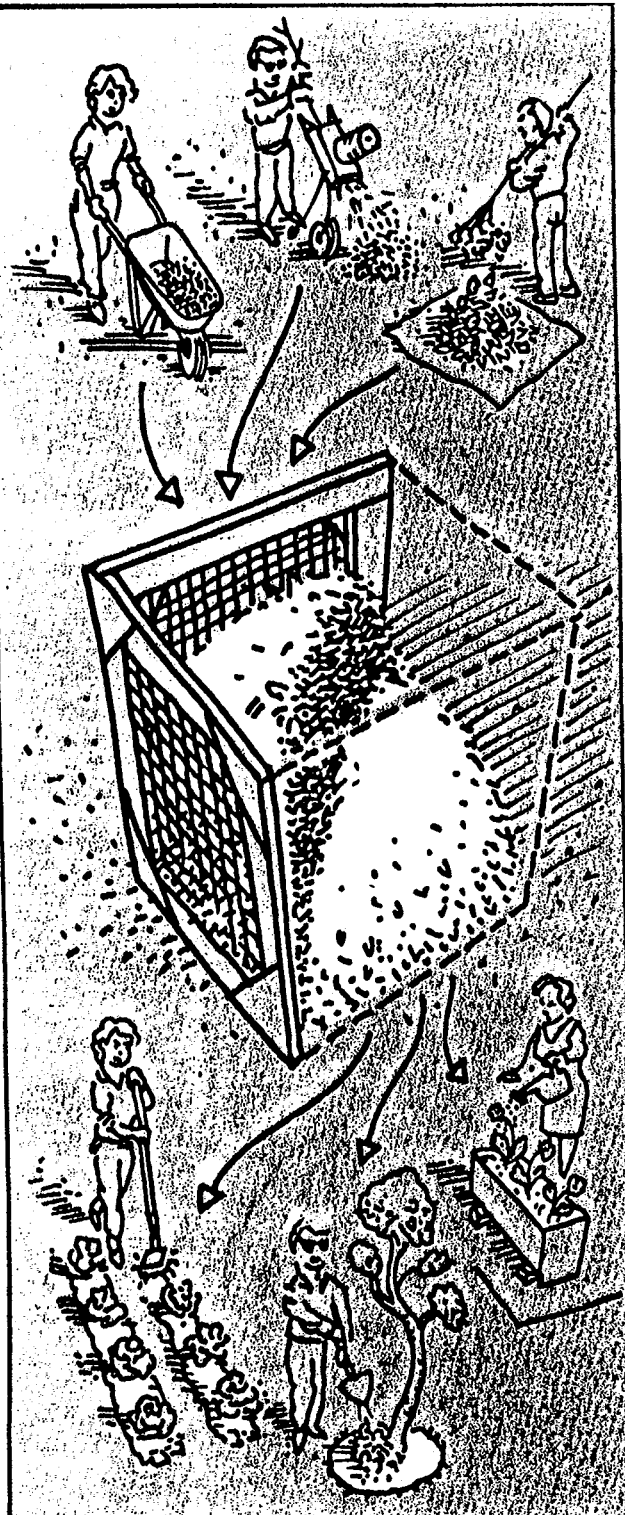
Local Tire Recycling Drop-off Centers



BUSINESS	PHONE	CAR	P/U TRUCK	SEMI	TRACTOR	COMMENTS
atterly's Tires 530 24th St ort Gratiot, MI 48059	810-385-8460	\$1.75	\$1.75			
restone Tires 00 Huron Ave ort Huron, MI 48060	810-985-6139	\$2.00	\$2.00			
reat Lakes Tire & Retreading 801 200 Mile Rd ch, MI	810-727-3408	*	*	*	*	*Check for current prices
arysville Metro 25 Tire Center 29 Gratiot Ave arysville, MI	810-364-6620	\$1.50	\$1.50	*	*	*Check for current prices
orton Tire-Metro 25 2 Van Dyke lay City, MI	810-724-8475	\$1.49	*	*	*	*Check for current prices

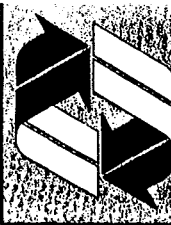
A Government of Service





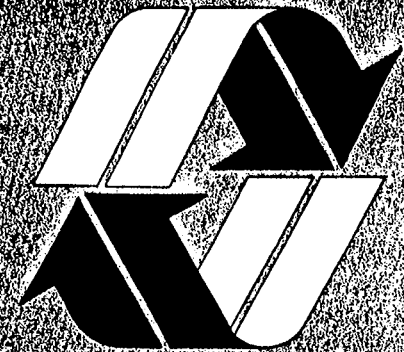
COMPOST FLOW CHART

St. Clair County
COMPOSTS!



St. Clair County
108 McMorran Blvd.
Port Huron, MI 48060

HOME COMPOSTING



St. Clair County
COMPOSTS!

What Is Compost?

Compost is a dark, crumbly, and earthy-smelling form of decomposing organic matter. Decomposition and recycling of organic wastes are an essential part of soil building and healthy plant growth in forests, meadows and in your home garden.

Why Should I Make Compost?

Composting is the most practical and convenient way to handle your yard wastes. It can be easier and cheaper than bagging these wastes. Compost also improves your soil and the plants growing in it. If you have a garden, a lawn, trees, shrubs, or even planter boxes, you have a use for compost.

Distributed By:
St. Clair County MSU Extension
200 Grand River Avenue Suite 102
Port Huron, Michigan 48060
810-989-6935 FAX: 810-985-3557

Composting Food Wastes



Mulching

Yard wastes can be used for weed control and water retention.

Which wastes? Woody yard wastes, leaves, and grass clippings.

How? Simply spread leaves and grass clippings around plants, starting a few inches away from the stem. Chipped woody wastes may be used to mulch around trees and shrubs. (Do not use woody wastes in vegetable gardens.) Tree services will often deliver free wood chip if they are in your neighborhood. Chipper/shredder units can be rented or purchased for home use.

Advantages & disadvantages All yard wastes will work first as a mulch and then, as decomposition proceeds, as a soil enrichment. A disadvantage of mulching with woody yard wastes is that you may have to buy or rent power equipment or make arrangements with a tree service.

Variations Use chipped materials for informal garden paths.



Soil Incorporation

Burying your organic wastes is the simplest method of composting.

Which wastes? Kitchen scraps without meat, bones or fatty foods.

How? Everything should be buried at least 8 inches below the surface. Holes can be filled and covered, becoming usable garden space the following season.

Advantages & disadvantages This is a simple method, but because of the absence of air some nutrients will be lost. Rodents and dogs can become a problem with wastes buried less than 8" deep.

Variations Using a posthole digger, wastes can be incorporated into the soil near the drip line of trees or shrubs and in small garden spaces.



Earthworm Composting

Feeding worms is a good way to make high-quality compost from food scraps.

Which wastes? Kitchen scraps without meat, bones or fatty foods.

How? Use a bin with solid sides, drainage holes and a tight fitting lid. Fill the bin with moist leaves, shredded newspaper or cardboard "bedding". Add a pound or more of red worms (from a compost pile, or local worm supplier). Rotate the burial of food wastes throughout the bin. Every 3-6 months push the old bedding to one side of the bin, rebed the empty side, and start burying food wastes in the fresh bedding. Allow composted wastes to cure for a month before harvesting.

Advantages & disadvantages This is an efficient way to convert food wastes into high-quality soil for house plants, seedling transplants, or general garden use. The worms themselves can be used for fishing bait. However, worm composting is more expensive and complicated than soil incorporation for dealing with food wastes.

Variations A stationary outdoor bin can be used in all but the coldest months, or a portable indoor/outdoor bin can be used year-round.

Additional information Refer to *Worms Eat My Garbage* by Mary Appelhof (available at some library branches) for more information.

For More Information

This brochure was developed by Seattle, Washington's Engineering Department Solid Waste Utility and Seattle Tilth, who have generously given permission for its use.

By using compost you return organic matter to the soil in a usable form. Organic matter in the soil improves plant growth by helping to break heavy clay soils into a better texture, by adding water and nutrient-holding capacity to sandy soils, and by adding essential nutrients to any soil. Improving your soil is the first step toward improving the health of your plants. Healthy plants help clean out air and conserve our soil, making St. Clair County a healthier place to live.

What Can I Compost?

Anything that was once alive can be composted. However some organic wastes should not be put into home composting systems.

Do Compost in Yard Waste Bins

- Grass clippings
- Leaves
- Flowers
- Old plants
- Old potting soil
- Twigs
- Annual weeds

Don't Compost in Yard Waste Bins

- Food scraps of any sort
- Diseased plants
- Weeds with seeds
- Invasive weeds
- Quack grass
- Morning glory
- Buttercup

Bury or Worm Compost These Food Wastes

- Vegetable scraps
- Bread and grains
- Coffee filters/tea bags

Do Not Bury or Compost These Food Wastes

- Meat or fish parts
- Cheese, butter, milk...
- Cooking oil or oily foods

How Can I Use Compost?

Compost can be used to enrich the flower and vegetable garden, to improve the soil around trees and shrubs, as a soil amendment for houseplants and planter boxes and, when screened, as part of a seed-starting mix or lawn top-dressing. Before they decompose, chipped woody wastes make excellent mulch or path material. After they decompose, these same woody wastes will add texture to garden soils.

The Essentials of Composting

With these principles in mind, everyone can make excellent use of their organic wastes.



Biology

The compost pile is really a teeming microbial farm. Bacteria start the process of decaying organic matter. They are the first to break down plant tissue and also the most numerous and effective composters. Fungi and protozoans soon join the bacteria and, somewhat later in the cycle, centipedes, millipedes, beetles and earthworms do their parts.



Materials

Anything growing in your yard is potential food for these tiny decomposers. Carbon and nitrogen from the cells of dead plants and dead microbes fuel their activity. The microorganisms use the carbon in leaves or woodier wastes as an energy source. Nitrogen provides the microbes with the raw element of proteins to build their bodies.

Everything organic has a ratio of carbon to nitrogen (C:N) in its tissues, ranging from 50:1 for sawdust to 15:1 for table scraps. A C:N ratio of 30:1 is ideal for the activity of compost microbes. This balance can be achieved by mixing two parts grass clippings (which have a C:N ratio of 20:1) with one part fallen leaves (50:1) in your compost. Layering can be useful in arriving at these proportions, but a complete mixing of ingredients is preferable for the composting process. Other materials can also be used, such as weeds and garden wastes. Though the C:N ratio of 30:1 is ideal for a fast, hot compost, a higher ratio (i.e., 50:1) will be adequate for a slower compost.



Surface Area

The more surface area the microorganisms have to work on, the faster the materials are decomposed. It's like a block of ice in the sun—

slow to melt when it's large, but melting very fast when broken into smaller pieces. Chopping your garden wastes with a shovel or machete, or running them through a shredding machine or lawnmower will speed their composting.



Volume

A large compost pile will insulate itself and hold the heat of microbial activity. Its center will be warmer than its edges. Piles smaller than 3 feet cubed (27 cu.ft.) will have trouble holding this heat, while piles larger than 5 feet cubed (125 cu.ft.) don't allow enough air to reach the microbes at the center. These proportions are of importance only if your goal is a fast, hot compost.



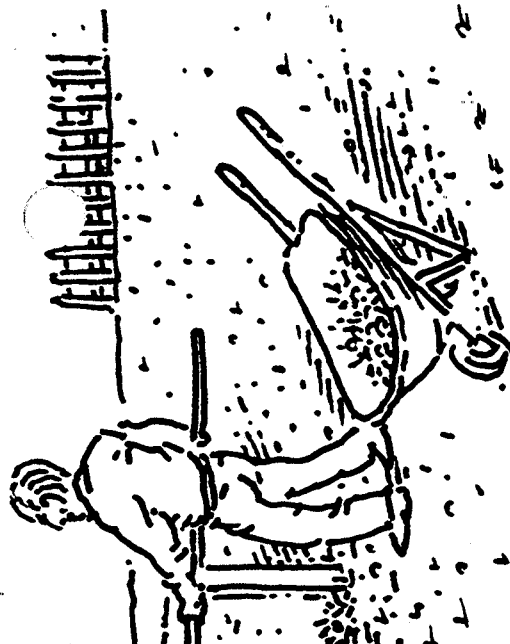
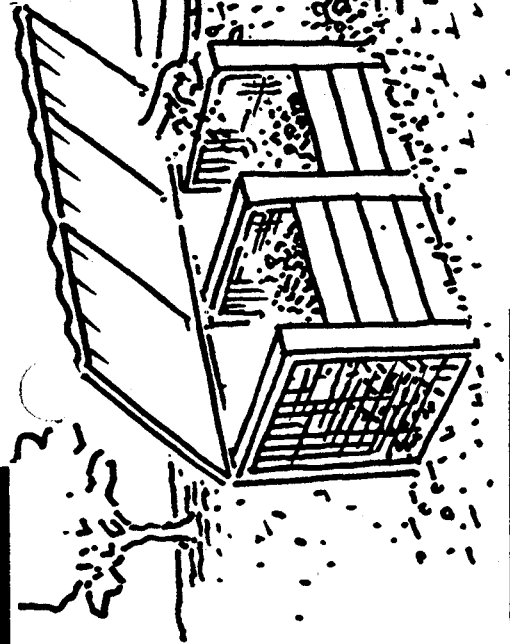
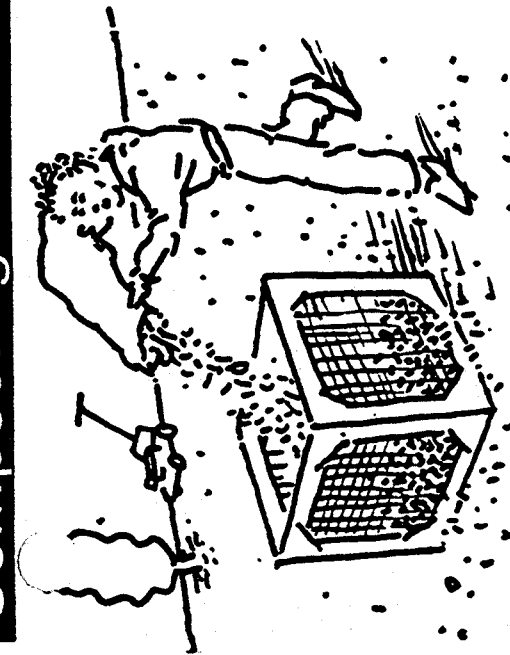
Moisture & Aeration

All life on Earth needs a certain amount of water and air to sustain itself. The microbes in the compost pile are no different. They function best when the compost materials are about as moist as a wrung-out sponge, and are provided with many air passages. Extremes of sun or rain can adversely affect this moisture balance in your pile.



Time & Temperature

The faster the composting, the hotter the pile. If you use materials with a proper C:N ratio, provide a large amount of surface area and a big enough volume, and see that moisture and aeration are adequate, you will have a hot, fast compost (hot enough to burn your hand!) and will probably want to use the *turning unit* discussed in the next section. If you just want to deal with your yard wastes in an inexpensive, easy, non-polluting way, the *holding unit* (also discussed below) will serve you well.



Holding Units

These simple containers for yard wastes are the least labor and time-consuming way to compost.

Which wastes? Non-woody yard wastes are the most appropriate.

How? Place the holding unit where it is most convenient. As weeds, grass clippings, leaves and harvest remains from garden plants are collected, they can be dropped into the unit. Chopping or shredding wastes, alternating high-carbon and high-nitrogen materials, and keeping up good moisture and aeration will all speed the process.

Advantages & disadvantages For yard wastes this is the simplest method. The units can be portable, moving to wherever needed in the garden. This method can take from 6 months to 2 years to compost organic materials, so you only need to be patient.

Variations Holding units can be made of circles of hardware cloth, old wooden pallets, or wood and wire. Sod can also be composted with or without a holding unit by turning sections of it over, making sure that there is adequate moisture, and covering it with black plastic.

Additional information A free plan for building your own "Wood and Wire Holding Bin" is available by calling 987-4884.

Turning Units

This is a series of three or more bins that allows wastes to be turned on a regular schedule. Turning units are most appropriate for gardeners with a large volume of yard waste and the desire to make a high-quality compost.

Which wastes? Non-woody yard wastes are the most appropriate.

How? Alternate the layering of high-carbon and high-nitrogen materials to approximately a 30:1 ratio. These should be moistened to the damp sponge stage. The pile temperature should be checked regularly; when the heat decreases substantially, turn the pile into the next bin. Dampen the materials if they are not moist, and add more high-nitrogen material if heating is not occurring. When the pile has heated up and starts to cool again, turn it into the third bin. After two weeks in the third bin, the compost should be ready for garden use.

Advantages & disadvantages This method produces a high-quality compost in a short time utilizing a substantial input of labor.

Variations The unit can be built of wood, a combination of wood and wire, or concrete block. Another type of turning unit is the barrel composter, which tumbles the wastes for aeration.

The following troubleshooting chart is a guide to more efficient composting using a turning unit.

SYMPTOMS	PROBLEMS	SOLUTION
The compost has a bad odor.	Not enough air; pile too wet	Turn it; add coarse dry materials such as straw, corn stalk, etc.
The center of the pile is dry.	Not enough water; too much woody, coarse material	Turn and moisten materials; add fresh green wastes, chop or shred coarse wastes.
The compost is damp & warm in the middle, but nowhere else.	Too small.	Collect more material & mix the old ingredients into a new pile.
The heap is damp and sweet-smelling but still will not heat up.	Lack of nitrogen.	Mix in a nitrogen source like fresh grass clippings, fresh manure, bloodmeal or ammonium sulfate.

ST. CLAIR COUNTY HOUSEHOLD HAZARDOUS WASTE COLLECTION

WHEN: June 27, 1998

WHERE: Clay Twp. Firehall
9620 Ainsworth Road
Clay Twp., MI 48001
8:00 a.m. - 2:00 p.m.

HOW: Appointment **must** be scheduled
Call 367-3061 between 10:00 a.m. and 2:00 p.m.

WHO: This program is for St. Clair County residents only. There is no charge.

EXAMPLES OF WHAT TYPES OF WASTE *WILL BE ACCEPTED*. . .

- | | |
|----------------------------------|---------------------------------|
| ● Pesticides | ● Weed Killers |
| ● Cleaners, polishes | ● Aerosols |
| ● Wood preservatives | ● Paint products |
| ● Photographic solutions | (thinners, varnishes, solvents) |
| ● Flammables | ● Home repair products |
| (gasoline, fire-starting fluids) | (glues, cements) |
| ● Asphalt, roofing tar | ● Oil and lead-base paints |
| ● Transmission fluid | |

WILL NOT BE ACCEPTED. . .

Any substance in containers over 5 gallons or over 25 pounds
Explosive materials and compressed gas cylinders
Used motor oil and car batteries
Unidentified waste
Hazardous waste from businesses

PLEASE. . .

Label contents of all containers
Transport your products in a container that does not leak
Bring products to the collection in a sturdy box

FOR FURTHER INFORMATION: Contact the St. Clair County Resource Recovery Office at 367-3061

This program was made possible through a cooperative effort between St. Clair County, Clay Township, and their township fire department personnel. Funding was made available through a grant from the Michigan Department of Natural Resources under the "Protecting Michigan's Future" Bond Program with St. Clair County committing matching funds.



The MPC Chronicle

The Newsletter of the Metropolitan Planning Commission of St. Clair County, Michigan

May-June 1999

Volume 2 Issue 2

Solid Waste Management Planning

Ten years ago, St. Clair County developed and adopted the 1990 *Solid Waste Management Plan* in order to provide guidance in the management of solid waste for the next ten years. Currently, the County—under the direction of the St. Clair County Solid Waste Management Planning Committee (SWMPC)—is in the process of updating the plan.

Plan Preparation Process

The County began the process of updating the current plan in February of 1998 when the St. Clair County Board of Commissioners filed their *Notice of Intent* with the Michigan Department of Environmental Quality (MDEQ). The Board also named the Metropolitan Planning Commission (MPC) as the designated planning agency. The SWMPC—with staff support from the MPC—began holding regular meetings with the staff of the MPC in July of last year.

The Plan

The MDEQ provided the County with a format for preparing the Solid Waste Management Plan. Major components of the plan include the following:

- capacity & siting certification;
- import & export authorization;
- a management component & an enforcement mechanism;
- an evaluation of recycling, composting & pol-

- lution prevention;
- an evaluation of alternative systems;
- public participation; and
- approvals.

The Committee—along with MPC staff—is currently working towards the development of goals and objectives which will direct the County's efforts regarding solid waste management. Among the issues being considered by the SWMPC, is whether St. Clair County will authorize the export of solid waste generated within its borders to disposal areas outside of the County.

The current Plan established a goal of self-sufficiency for St. Clair County. This goal directs the County to be responsible for the disposal of its own solid waste. The current Plan also prohibits the disposal of out-of-county waste within St. Clair County. The SWMPC will soon be deciding—within the context of the Plan Update—whether St. Clair County will continue its policy of not authorizing the export of any County-generated solid waste, or whether it will move to a limited authorization for out-of-county export.

Facility Inclusion

Another ongoing responsibility of the SWMPC is the facility inclusion process. The SWMPC is currently working on developing siting crite-

ria and a siting review process for new solid waste facilities. Inquiries by individuals or facilities that want to be included in the 1999 Plan Update should be directed to the MPC offices at 200 Grand River Ave.; Suite 202, Port Huron, MI 48060.

The public is welcome at all SWMPC meetings. Meetings are held on the fourth Monday of each month unless otherwise noted. Meeting notices and agendas are posted outside of the MPC offices in the New County Building at least one week prior to each meeting.

The Final Approval Process

After completing the draft of the Plan update, the MPC—with authorization from the SWMPC—will issue public notices and hold a 90-day public hearing and comment period. After considering the comments of the public, the SWMPC will make the necessary revisions and recommend the Plan for approval by the Board of Commissioners. Upon approval by the Board of Commissioners, the Plan will be presented to all St. Clair County municipalities for approval by their governing bodies. If the Plan receives approval of at least 67 percent of St. Clair County municipalities it is then submitted to the MDEQ for final approval.

Inside This Issue

MPC Personal Profile... Bob Tansky
Transportation News—St. Clair County Transportation Study
Managing Household Hazardous Waste

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pages 3-4
page 5

Managing Household Hazardous Waste

Most of the safety and environmental concerns about hazardous materials have fallen upon those firms which manufacture and transport the material. For instance, the MPC has already examined the looming safety issue of hazardous material transports through St. Clair County and concluded that regardless of how one chooses to analyze the subject, it seems likely that the transborder shipment of hazardous materials will continue to grow; this growth will greatly increase the chances of a major hazardous materials spill either on the bridge, on Interstate 94, or on Interstate 69.

The local transport situation mentioned above is exacerbated by the improper disposal of household hazardous waste. In fact, your own household, according to the Michigan Environmental Health Association (MEHA), "may contain about 30 pounds of hazardous substances. . . . Many insecticides, weed killers, automotive and cleaning products, paints and hobby supplies contain hazardous chemicals that can cause problems if used improperly and when the need for disposal arises." This article will provide you with information on how to dispose of hazardous substances.

The MEHA suggests that interested individuals can minimize the need for special disposal of hazardous household materials by implementing the following guidelines:

- Read the product label before buying
- Use a non-hazardous substitute product when possible. this may save you money and protect the environment. ([For example:] vinegar [could be used] for a cleaning solution)
- Don't buy more hazardous products than you need. Why buy a gallon when a quart will do.
- Use the product up but don't over apply. Read

HOUSEHOLD HAZARDOUS WASTE DISPOSAL RECOMMENDATIONS

TYPE OF WASTE	RECYCLE THE WASTE	HOUSEHOLD HAZARDOUS COLLECTION PROGRAM	FLUSH DOWN THE DRAIN ¹	PLACE IN TRASH
Empty Aerosol Cans	NO	NO	NO	YES
Full & Partially Full Aerosol Cans ²	NO	YES	NO	NO
Automotive Products such as Oil, Brake Fluid & Transmission Fluid	YES	NO	NO	•
Small Amounts of Antifreeze	NO	NO	NO	YES
Large Amounts of Antifreeze	NO	YES	NO	NO
Caustics such as Oven Cleaner, Drain Cleaner & Bleach	NO	YES	•	•
Cosmetics such as Nail Polish Remover, Perfume & Aftershave	NO	NO	NO	•
Flammables such as Acetone, Alcohol, Gasoline, lacquer & paint thinner	NO	YES	NO	NO
Kerosene & Heating Oil	YES	NO	NO	NO
Pesticides	NO	YES	NO	•
Empty Pesticide Containers	NO	NO	NO	•
Oil & Lead Based Paint	•	YES	NO	NO
Latex Paint	•	NO	NO	SOLIDIFY ³
Medications	NO	NO	YES	•

1 Use Plenty of Water

2 Use up for intended purpose

3 Solidify latex paint using sawdust or commercial absorbent

• Special handling may be required; follow label instructions for use and disposal

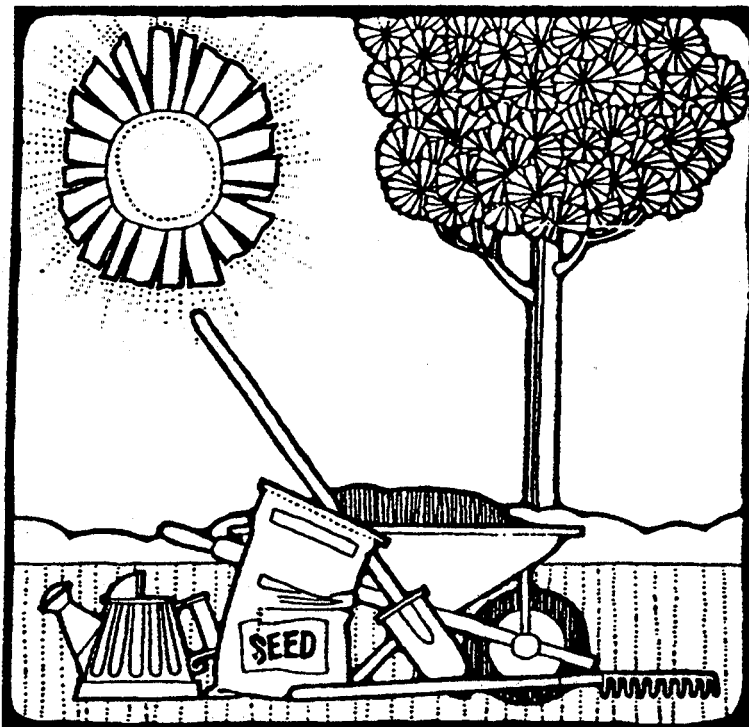
Source: The Michigan Environmental Health Association

the directions on the label and if you have leftovers see if a friend can use it."

The above table provides recommendations on the disposal of a range of hazardous materials. As you can see, the most dangerous materials should be taken to a recycling center or disposed of through a hazardous collection program. St. Clair County has two

collection centers that will accept hazardous materials: Clay Township Fire Hall and the Smiths Creek Landfill Drop-off Center. These facilities have recently become available on a continuing basis. Call Judy Sharrard or Larry O'Keefe—St. Clair County's Resource Recovery Coordinator—at 810/367-3061 to schedule a drop off or to solicit additional advice. [B]

"Clip and Save"



YARD WASTE DISPOSAL

YARD WASTE, DEFINED AS GRASS CLIPPINGS, LEAVES, BUNDLED TWIGS
LESS THAN 1-1/2 INCHES IN DIAMETER AND SHRUB TRIMMINGS,
WILL BE ACCEPTED AT THE DISPOSAL YARD
ON AINSWORTH MAY THROUGH OCTOBER.

SUNDAY:	<u>9:00 A.M. TO 5:00 P.M.</u>
TUESDAY AND THURSDAY:	<u>NOON - 6:00 P.M.</u>
SATURDAY:	<u>9:00 A.M. TO 5:00 P.M.</u>

**NO LARGE BRANCHES - LIMBS - TREE STUMPS - TIRES
- SHRUBBERY - ETC. WILL BE ACCEPTED.**

**IF PLASTIC BAGS ARE USED, THEY MUST BE CLEAR ONES.
CLEAR BAGS MAY BE PURCHASED AT THE TOWNSHIP OFFICES.
DO NOT LEAVE ANY BAGS, LIMBS, ETC., OUTSIDE FENCE WHEN YARD IS CLOSED.
VIOLATORS WILL BE PROSECUTED.**

**MOBILE HOME PARK RESIDENTS ARE REQUIRED TO USE
THE PARK'S CONTRACTED SERVICE.**

WASTE MANAGEMENT OF MICHIGAN, INC. - MIDEAST

*** IMPORTANT NOTICE ***

WHAT WILL I DO WITH MY YARD WASTE?

Beginning April 1, 1995 under Michigan Law, all yard waste and compost material (grass, leaves, branches, brush, etc.) can no longer be taken to a landfill in Michigan.

As a result, yard waste must not be mixed with your regular trash. If you wish to have Waste Management dispose of your yard waste, you must contact our office to add this service. Yard waste collection service will begin April 1st and run through December 1st each year, during which time you will be billed an additional \$4.78 per month. By choosing this service, you can be sure all of your yard waste will be transported to a fully licensed compost facility.

If you choose to have this additional service, all yard waste must be placed in carts or cans clearly marked with a large "X" (at least 1 foot high) by using masking tape, duct tape or paint. Brown paper compost bags may also be used for yard waste and do not need to be specially marked (limit 10). Place yard waste separately from your trash, at the curb, on your regular collection day. Please position the marked containers so our drivers can easily identify them.

WE CANNOT ACCEPT YARD WASTE CONTAINED IN PLASTIC BAGS

Remember, you must contact us if you wish to have yard waste collection service.

Dear Resident,

Please set recycle container separate from trash.
Place newsprint securely in bin or in kraft paper bag to prevent blowing.

Thank you for participating in your curbside recycling program. Your bin was not completely emptied due to the following items (✓)

NEWSPAPER

Contains:

- ☐ Glossy inserts
- ☐ Magazines
- ☐ Phone books
- ☐ Junk mail
- ☐ Office paper
- ☐ Cereal boxes
- ☐ Cardboard

Cans (Food & Beverage cans Only)

- ☐ Not rinsed clean
- ☐ Label not removed



Glass (Food bottles & jars Only)

Contains:

- ☐ Window glass
- ☐ Ceramics
- ☐ Light bulbs
- ☐ Drinking glasses
- ☐ Not rinsed clean
- ☐ Cap not removed
- ☐ Broken glass

Plastic (Plastic bottle stock Only)

Contains:

- ☐ Not  or 
- ☐ Not rinsed clean
- ☐ Cap & ring not removed
- ☐ Automotive product containers

**IF YOU HAVE QUESTIONS,
PLEASE CALL OUR OFFICE**

THANK YOU

**(810)
798-3977**



**(810)
984-4220**

**A service of
Waste Management**

What Will I Do With My Yard Waste?

Beginning April 1st, 1995, under Michigan Law, all yard waste and compost material (grass, leaves, branches, brush, etc.) can no longer be taken to a landfill in Michigan.

As a result, yard waste must not be mixed with your regular trash. If you wish to have Waste Management dispose of your yard waste, you must contact our office to add this service (where available). Yard waste collection service will begin April 1st and run through November 30th every year, during which time you will be billed an additional charge per month. By choosing this service, you can be sure all of your yard waste will be transported to a fully licensed compost facility.

If you choose to have this additional service, all yard waste must be placed in carts or cans clearly marked with a large "X" (at least one foot high) by using masking

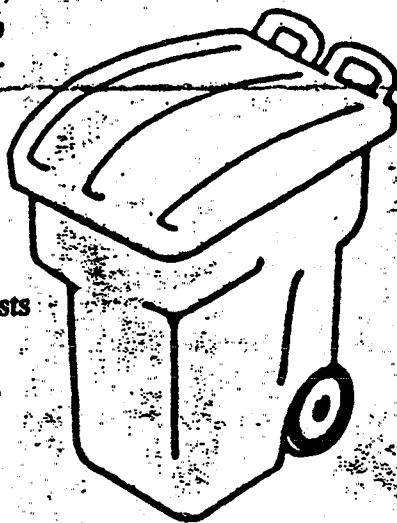
tape, duct tape or paint. Brown paper compost bags may also be used for yard waste and do not need to be specially marked (limit 10 bags.) Place yard waste separately from your trash, at the curb, on your regular collection day. Please position the marked containers so our drivers can identify them.

- *We cannot accept yard waste contained in plastic bags.*
- *All brush or branches must be no longer than four feet in length, no bigger than two inches in diameter and must be bundled.*
- *Remember, you must contact us if you wish to have yard waste collection service.*

Cart Service

No more collection day clutter and litter. A single, attractive cart replaces up to four unsightly metal or plastic cans with lost and blowing lids. No more broken plastic bags to pick up at the end of the day.

Higher, wider profile resists tipping and spilling by roaming animals or wind. You may rent one of our Waste Management carts for \$2.50 a month and we will deliver it to your home. (Carts are also available for composting materials.)



Acceptable Containers

If you do not choose to rent one of Waste Management's carts you may use your own trash containers or place your trash out in plastic bags.



Unacceptable Containers

We cannot accept your trash in barrels, 55 gallon drum trash containers without handles of adequate strength for lifting or weight of more than 50 lbs.

Visa/Mastercard Payments - Pay Select Program

If you wish to pay by Visa or Mastercard, please call our Customer Service Center with your card number ready and we will charge your payment directly to your account.

Another option we have available for payment is our Pay Select program. Once you have filled out the Authorization Form, we simply charge your bank or credit card company (Visa, Mastercard, or American Express) the amount of your bill each quarter, (American Express is only available through the pay select program). Your bill will automatically be paid and the amount of your bill will be posted to your account.

If you would like to sign up for the Pay Select program, please fill out the form located on the back of your remittance stub, mail this along with your payment. The automatic deduction will be in effect on your next quarterly billing period.

Change of Status On Your Accounts

If you need to make a name or billing change on your account please fill out the remittance form and send it in to the office. All other changes or comments should be called into our office.

Holidays

Service will not be provided on the following holidays:

New Year's Day
Memorial Day — Observed
Independence Day
Labor Day
Thanksgiving
Christmas Day

If the holiday falls on your regular pick up day or if your pick up day is after the holiday, your pick up will be delayed one day. For example, if the holiday falls on a Thursday there will be normal pickup on Monday, Tuesday, and Wednesday. There will be no pickup on Thursday. Thursday's pick up will be done on Friday and Friday will be done on Saturday.

More Information . . .

For more information about the services offered by Waste Management of Michigan - Mideast for your home or business please call (810) 798-3977.

Also, for your convenience here is a list of phone numbers for the following areas:

Lake Orion (810) 693-2801
Lexington (810) 359-8815
Port Huron (810) 984-4220
Yale (810) 387-2433

Waste Management of Michigan - Mideast

360 N. Van Dyke
Farmington, MI 48003





NEWS TO *PICK UP* ON



Responding to your need for waste disposal options

Your Pick Up Schedule

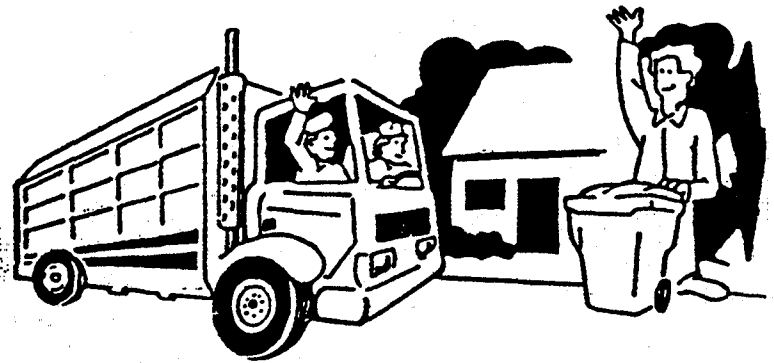
Generally, your pick ups will be at the same time every week. However, some circumstances require that we adjust the time of pick up. Road construction, weather and heavy volumes of trash may cause the routes to be delayed or run earlier than usual. If you put your rubbish out the night before or by 6:00 a.m. on your scheduled day this will assure that your trash will be picked up.

What is a Special Pick Up?

A special pick up is anything that is different from the normal household trash you generate every week. For example, furniture, appliances, mattresses and box springs, carpet, building materials, or more than ten bags of trash constitutes a special pick up.

Procedures For Setting Up Special Items

You must call at least one day before your scheduled pick up to notify us regarding your item(s). Just call our Customer Service Center and one of our representatives will be glad to assist you with scheduling and price.



How To Prepare Your Special Pick Up

Items such as carpet, demo material, etc. need to be cut and bundled in lengths of 4 ft or less. Appliances and furniture can just be set with your normal trash and not cut down. These items need to be scheduled one day before your normal pick up day.

Freon Appliance Pick Up

Refrigerators or any freon containing appliances need to have the freon removed and must be certified before we can pick them up. This can be done by calling a heating and cooling company. These certified items are picked up on Saturdays. Please call by Friday to schedule.

Items That We Cannot Take

- Gasoline and automotive oil
- Car and truck engines
- Hazardous wastes
- Tires
- Free liquids
- Yard waste
(unless you have signed up for the Yard Waste Program)
- Wet paint cans
(paint must be dried out and lids must be removed)

What To Do If You Have Been Missed

If your trash was missed please check the following items:

- *Is there yard waste material mixed in with the regular trash?*
- *Did you have the trash out by 6:00 a.m.?*
- *Was the trash can too heavy for the driver to lift (over 50 lbs). ?*
- *Was there a holiday earlier in the week?*

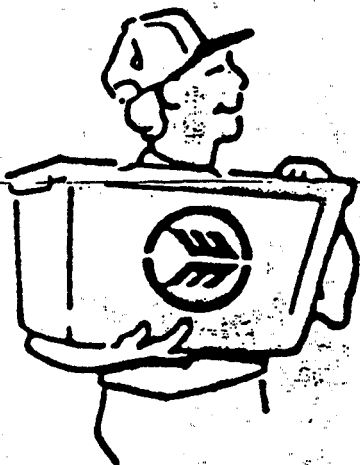
If everything was OK, please call the office the next day

MORE NEWS INSIDE...

Recycling (Where Available)

Waste Management takes in the curbside recycling program:

PLASTIC - Milk and water jugs, laundry detergent bottles or anything with "PET #1" or "HDPE #2" stamped on the bottom. Rinse the container and discard any cap or top. Also, NO plastic motor oil or brake fluid containers will be accepted.



GLASS - Clear, brown or green food and beverage bottles or jars. Rinse clean and remove lid. Labels NEED NOT be removed.

CANS - Soup, vegetable, tuna fish, etc. Rinse clean. REMOVE PAPER LABELS and flatten.

NEWSPAPERS - NO COLOR GLOSSY INSERTS. Tuck neatly to one side of the bin, or bundle with string and place next to bin. Papers printed in color ink are acceptable (i.e. USA TODAY and the SUNDAY COMICS).

Simply place all recyclable material together in your Waste Management bin and set out next to your regular rubbish on your normal pick up day.

WE DO NOT ACCEPT:

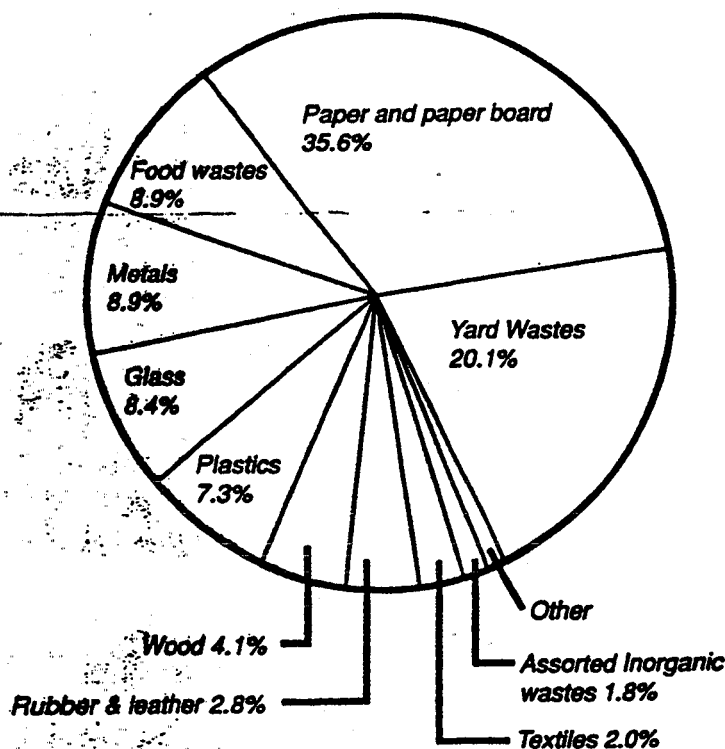
Plastic containers that are not marked with "PET" #1 or "HDPE" #2, (i.e. yogurt and cottage cheese containers). No motor oil or brake fluid containers, light bulbs, window panes, ceramics or pyrex containers. No phone books, catalogs, magazines and paperboards such as cereal boxes.

What's Recyclable?

Solid Waste

Each year, the United States generates about 160 million tons of residential and commercial solid wastes.

Our solid waste breaks down like this:



APPENDIX E
MONITORING
&
ENFORCEMENT
MECHANISM

Appendix E: Monitoring & Enforcement Mechanism

MONITORING AND ENFORCEMENT MECHANISM

PREAMBLE

A REGULATION TO PROTECT THE PUBLIC HEALTH AND LAND, AIR, WATER AND OTHER NATURAL RESOURCES OF THE COUNTY; TO SUPPLEMENT PROVISIONS OF PART 115 OF THE MICHIGAN NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT DEALING WITH SOLID WASTE MANAGEMENT AND ITS ADMINISTRATIVE RULES; TO REGULATE AND REQUIRE PERMITS FOR THE COLLECTION AND TRANSPORTATION OF SOLID WASTE; TO PROVIDE AN ENFORCEABLE MECHANISM FOR IMPLEMENTATION OF THE ST. CLAIR COUNTY SOLID WASTE PLAN; TO PRESCRIBE THE POWERS AND DUTIES OF AGENCIES; TO PROVIDE FOR THE COLLECTION AND USE OF DATA AND INFORMATION; AND TO PROVIDE FOR PENALTIES AND REMEDIES.

ENACTING CLAUSE

THE ST. CLAIR COUNTY HEALTH DEPARTMENT, UNDER AUTHORITY OF SECTIONS 2441(1) OF ACT 368 OF THE PUBLIC ACTS OF 1978, BEING SECTION 333.2441(1) OF THE MICHIGAN COMPILED LAWS AND THE COUNTY COMMISSIONERS OF ST. CLAIR COUNTY, UNDER AUTHORITY OF PART 115 OF ACT 451 OF PUBLIC ACTS OF 1995, SECTIONS 324.11501, ET SEQ. OF THE MICHIGAN COMPILED LAWS, AND ACT 156 OF THE PUBLIC ACTS OF 1851, SECTION 46.1 ET. SEQ OF THE MICHIGAN COMPILED LAWS, HEREBY ADOPT AND APPROVE THIS ST. CLAIR COUNTY SOLID WASTE REGULATION.

PART 100: SOLID WASTE COLLECTION AND TRANSPORTATION

SECTION 100.1 PURPOSE AND SCOPE

This part establishes procedures and criteria for the issuance of permits by a Designated County Authority consistent with Michigan's Solid Waste Management laws found in NREPA Part 115. This part also establishes the criteria to be applied by Designated County Authorities in their review of activities involving the transportation, storage, or disposal of solid waste within the County, except as may be authorized pursuant to this Regulation, and subject to NREPA Part 115.

(1) No person shall collect or transport solid waste originating in St. Clair County for the purpose of disposal except when authorized pursuant to this Regulation and the St. Clair County Solid Waste Management Plan.

(2) No person shall transport solid waste into the County from another County in Michigan for the purpose of disposal of the material within the County except when expressly authorized by the St. Clair County Solid Waste Management Plan and the Solid Waste Management Plan of the County from which the solid waste originated.

(3) No person shall transport solid waste originating in St. Clair County for disposal in any other County in Michigan except when expressly authorized by the St. Clair County Solid Waste Management Plan and the Solid Waste Management Plan of the County in which disposal is intended.

(4) No person who generates solid waste in St. Clair County shall transport such waste for disposal in another County in Michigan, or expressly contract with another person to transport such waste for disposal in another County in Michigan except when expressly authorized by the St. Clair County Solid Waste Management Plan and the Solid Waste Management Plan of the County in which disposal is intended.

SECTION 100.2 DEFINITIONS.

The words defined in NREPA Part 115 and regulations promulgated pursuant to NREPA 115 shall have the same meaning when used in this Regulation. The following additional terms have the meaning defined herein:

(a) "Designated County Authority" means any person or agency designated by the St. Clair County Board of Commissioners to administer this Regulation in whole or in part, including but not limited to the St. Clair County Health Department, the St. Clair County Sheriff's Department, the St. Clair County Weighmaster, the St. Clair County Emergency Preparedness Coordinator, and the County Administrator/Controller.

(b) "the County" means St. Clair County.

(c) "Law Enforcement Officer" means an officer of the St. Clair County Sheriff's Department or the St. Clair County Weighmaster.

(d) "Regulation" or "this Regulation" means this St. Clair County Ordinance

MONITORING AND ENFORCEMENT MECHANISM

adopted by the St. Clair County Board of Commissioners as a Monitoring and Enforcement Mechanism to implement and enforce St. Clair County's Solid Waste Management Plan as updated and adopted pursuant to the provisions of NREPA Part 115.

(e) "NREPA Part 115" means Part 115 of Act 451 of Public Acts of 1995, Michigan Compiled Laws Section 324.11501, et seq., and the regulations promulgated by the Michigan Department of Environmental Quality pursuant to NREPA Part 115 effective April 12, 1999, Michigan Administrative Code R299.4101-R299.4922, which are incorporated by reference as part of this Regulation.

(f) "MDEQ" means the Michigan Department of Environmental Quality.

(g) "MDEQ Solid Waste Management Rules" means the Solid Waste Management Act Administrative Rules promulgated pursuant to NREPA Part 115 effective April 12, 1999 as found in Michigan Administrative Code sections R299.4101-R299.4922.

SECTION 100.3 SOLID WASTE HAULER PERMITS.

This Section 100.3 provides for the issuance of general, special and interim solid waste hauling permits authorizing the transportation of solid waste subject to the Regulation.

(a) General permits. General permits may be issued for the collection and transportation of non-hazardous solid waste. General permits may be issued on application of an interested person in accordance with the procedures of Part 100 and shall specify an expiration date not to exceed two years from the date of issuance.

(b) Special permits. Special permits may be issued for the collection and transportation of materials which do not require collection and transportation on a continuous basis. Special permits shall specify an expiration date of 30 days from the date of issuance.

(c) Interim permits. Interim permits may be issued as a temporary measure to accommodate a person who has applied for a general permit to collect and transport solid waste when it appears to the County Administrator/Controller that a final decision on that person's permit request will be delayed. Interim permits shall specify an expiration date no later than six months from date of issuance.

SECTION 100.4 AUTHORITY TO ISSUE PERMITS.

The County Administrator/Controller shall issue, deny, modify, revoke, suspend, impose conditions on, initiate and carry out enforcement activities and take any and all other actions necessary or proper and permitted by this Regulation with respect to general, special, or interim permits. The County Administrator/Controller may suspend or revoke a general, special, or interim permit of a solid waste hauler who violates any provisions of this Regulation.

MONITORING AND ENFORCEMENT MECHANISM

SECTION 110 APPLICATION FOR A SOLID WASTE HAULER PERMIT.

SECTION 110.1 APPLICATIONS FOR PERMITS.

Applications for general, special, and interim permits must be filed with the St. Clair County Administrator/Controller. Application shall be made in writing and shall contain the following:

- (a) The name and address of the applicant as listed in the Michigan Annual Business Report.
- (b) The names and addresses of all officers and directors if the applicant is a corporation (a copy of the current Michigan Annual Report) and all current partners or members if the applicant is a partnership or limited liability company;
- (c) The name of persons collecting and transporting the material;
- (d) A description of the general area to be serviced by the applicant;
- (e) The applicant shall indicate the general description, make, model, year, vehicle identification number (manufacturer serial number) and cubic yard capacity for each motor vehicle to be used by the permittee for the duration of the licensing period for the purpose of transporting solid waste for disposal within the County;
- (f) A physical description of the material to be collected and transported, for example: residential, commercial, construction, hospital, etc.;
- (g) The estimated quantity of material to be collected and transported on an annual basis.

SECTION 110.2 APPLICANT.

The application shall be filed with the County Administrator/Controller by the person or firm collecting, processing or hauling the material proposed to be collected and transported.

SECTION 110.3 PROCESSING FEES.

- (a) A processing fee in an amount established by the County Administrator/Controller and approved by the St. Clair County Board of Commissioners will be charged in connection with each application for a permit for the collection and transportation under this part.
- (b) Notwithstanding any other provision of this Section 110.3, no agency of the County of St. Clair, or any municipality located therein, will be required to pay the processing fee specified in paragraph (a) of this section.

MONITORING AND ENFORCEMENT MECHANISM

SECTION 120 ACTION ON PERMIT APPLICATIONS.

SECTION 120.1 GENERAL.

Decisions on issuance, denial, or imposition of conditions on a permit will be made within 30 days from the date a complete application is filed.

SECTION 130 CRITERIA FOR EVALUATION OF APPLICATIONS.

SECTION 130.1 APPLICABILITY.

Section 130 establishes criteria for the issuance of collection and transportation permits.

SECTION 130.2 PROHIBITED MATERIALS.

- (a) Materials not classified as solid waste shall not be collected or transported for disposal in St. Clair County unless otherwise authorized by law;
- (b) The collection and transportation of solid waste generated in Michigan outside of St. Clair County not authorized by the St. Clair County Solid Waste Management Plan and the Solid Waste Management Plan of the County in which the solid waste originated is prohibited from being disposed of in the County;
- (c) Solid waste generated within St. Clair County for disposal in another County in Michigan except as may be authorized by the St. Clair County Solid Waste Management Plan and the Solid Waste Management Plan of the County intended to receive such solid waste for disposal.

SECTION 140 RECORDS AND REPORTS OF SOLID WASTE HAULER.

SECTION 140.1 RECORDS OF PERMITTEES.

- (a) Each permittee shall maintain complete records of the following information, which will be available for inspection by a County Law Enforcement Officer;
 - (1) The general physical and/or chemical characteristics of the material authorized to be collected, transported, or disposed pursuant to the permit;
 - (2) Disposal locations for each load;
 - (3) Any other information required as a condition of the permit by the County Administrator/Controller.
 - (4) Information specified in Section 160.5 of this Regulation.
- (b) Each permittee shall keep all load information and customer listings required

MONITORING AND ENFORCEMENT MECHANISM

under this part for a period of three (3) years from the date that the solid waste was last collected, transported, or disposed of.

(c) The periods of retention referred to in this section are extended automatically during the course of any unresolved enforcement action regarding the regulated activity or otherwise as required by the County Administrator/Controller.

SECTION 150 NUISANCE.

Solid wastes which may present a public nuisance if improperly collected, transported, and disposed of may only be collected, transported or disposed of under such conditions and in such a manner which will insure that no public nuisance is created.

SECTION 160 SOLID WASTE TRANSPORT UNIT IDENTIFICATION: LOAD CERTIFICATION.

SECTION 160.1 SOLID WASTE HAULER VEHICLE.

A solid waste hauler shall not collect and/or transport solid waste for disposal within the County with a motor vehicle unless:

(a) The vehicle has been properly described in the solid waste hauler permit application under Section 110.1; or

(b) The County Administrator has been provided such information in writing prior to placing the vehicle in service.

SECTION 160.2 SOLID WASTE TRANSPORT UNIT IDENTIFICATION.

Every solid waste transporting unit used to collect solid waste within the County or transport solid waste to a disposal area within St. Clair County shall affix the markings "SCC" followed by a space followed by the permit number assigned to the transporter pursuant to Part 110 of this Regulation. The markings required by this section shall meet all of the following requirements:

(a) To be painted on or permanently attached to each side of the solid waste transport unit;

(b) To be plain vertical block characters not less than three inches in height;

(c) To be contrasted with the color of the background and be distinctly visible and legible for the duration of the licensing period;

(d) Have spaces or hyphens that are equal to the width of the letter "S" between the letter and number groupings (example: SCC OOO or SCC-OOO);

(e) Read from left to right;

(f) Not be obscured or hidden by any part of the solid waste transport unit;

(g) On a solid waste transport unit so designed or configured that a number on the super structure would not be easily visible, the markings may be painted on or attached to removable plates that are firmly and permanently attached to each side of the

MONITORING AND ENFORCEMENT MECHANISM

unit.

SECTION 160.3 NONCOMMERCIAL SMALL QUANTITY EXCEPTION.

A private citizen transporting solid waste to a licensed solid waste disposal area is exempt from the requirements of this part providing:

- (a) The citizen is a natural person, and
- (b) The solid waste material was generated by that person and not collected from other sources, and
- (c) That person does not receive compensation or other remuneration from another person for the transportation or disposal of said solid waste, and
- (d) The amount of solid waste being transported or disposed of does not exceed 10 cubic yards per load or 1000 cubic yards per year.

SECTION 160.4 PRE-TRANSPORT REQUIREMENT.

A transporter and generator of solid waste shall be responsible for determining that the waste material offered for transportation or disposal complies with all requirements of this Regulation.

SECTION 160.5 LOAD INFORMATION.

(a) Except as provided in Section 160.3 and Section 160.5 of this Regulation, a solid waste transporter, other than a city owned and operated Department of Public Works within the city limits, transporting solid waste to a disposal area within St. Clair County shall prepare a written record prior to movement of the material from the place of origin. For radio-dispatched trucks, the records required shall be the record of the dispatches. The following information must appear on the face of the record:

- (i) The name and mailing address of the person responsible for the generation of the material.
- (ii) The location where the material was picked up, if different from the preceding paragraph.
- (iii) The name and location of the proposed destination of the material.

(b) A solid waste transporter, other than a city owned and operated Department of Public Works within the city limits, operating a compactor vehicle while engaged in carrying out collection of residential solid waste shall carry within the vehicle a truck route log specifying the street address of each residence serviced by that vehicle. Upon request of a County Law Enforcement Officer to inspect a load, a transporter subject to this section shall identify each customer by street address that provided any portion of the solid waste being transported at the time of the inspection.

MONITORING AND ENFORCEMENT MECHANISM

SECTION 160.6 ADMINISTRATIVE INSPECTION

(a) A County Law Enforcement Officer may make periodic inspections of solid waste transporting units for the purpose of verifying load information and to determine compliance with requirements of this Regulation and NREPA Part 115.

(b) The solid waste transport unit owner, operator, or other representative shall be entitled to be present during an inspection conducted pursuant to this section, however, the presence of the permittee or an authorized representative of the permittee is not a condition precedent to such inspection.

(c) An inspection conducted pursuant to this section may be initiated at any time that the County Law Enforcement Officer requesting the inspection has a reasonable belief that a solid waste transporting unit contains solid waste material destined for a disposal area within the County. The fact that an owner, operator, or other representative leaves the solid waste transporting unit unattended after an inspection has been initiated shall not require termination of the inspection.

(d) Any vehicle inspection conducted pursuant to this section and performed at a solid waste disposal area shall not exceed two hours unless a warrant to search has issued for same. Any such inspection performed at a location other than a disposal area may not exceed 30 minutes unless warrant to search has issued for same.

(e) Whenever refuse in a truck cannot be properly inspected without discharge from the truck, the inspection shall be conducted at a solid waste Type II Landfill.

(f) There shall be no more than six (6) inspections under this section of any one solid waste transporting unit conducted within any consecutive six month period except pursuant to a search warrant.

SECTION 160.7 SOLID WASTE TRANSPORTING UNITS OPERATING REQUIREMENT

(a) All solid waste transporting units in the County shall be subject to the Solid Waste Management Act Administrative Rules promulgated pursuant to NREPA Part 115 found in the Michigan Administrative Code at R299.4601 and R299.4602 which are incorporated and made a part of this Regulation.

PART 200: SOLID WASTE DISPOSAL AREA OPERATORS

SECTION 200.1 COUNTY REQUIREMENTS.

The construction, modification, expansion, alteration or reconstruction and operation of a solid waste disposal area shall comply with NREPA Part 115, this Regulation, and applicable provisions of the approved St. Clair County Solid Waste Management Plan.

SECTION 200.2 AUTHORIZED SOLID WASTE HAULER.

A person operating or otherwise in control of a solid waste disposal area within the County shall not accept solid waste for disposal from any person not authorized under Part 100 of this Regulation to collect and transport solid waste within the County.

SECTION 200.3 OPERATING RECORD.

(a) The owner or operator of a solid waste disposal area shall keep written operating records at the facility. Operating records shall consist of the records required by the MDEQ for operation and closure, as well as those records required by this Regulation.

(b) A solid waste disposal area owner or operator must record and maintain the operator records required under this Regulation until closure of the facility, or as otherwise specified in this Regulation.

SECTION 200.4 AVAILABILITY, RETENTION,
AND DISPOSITION OF RECORDS.

(a) All records, including but not limited to operating records and gate log, required under this part must be furnished upon request, and made available at all reasonable times for inspection, by an officer, employee, or representative of any Designated County Authority.

(b) The retention period for all records required under this Part is extended automatically during the course of any unresolved enforcement action regarding the solid waste disposal area or as requested by the County Administrator .

(c) A copy of records required under this part of this Regulation must be submitted to the County Administrator upon closure of the solid waste disposal area.

SECTION 200.5 GATE LOG.

(a) When a solid waste disposal area receives solid waste, the owner or operator must prepare and maintain permanent bound records having sequentially numbered pages wherein the following information must be recorded by indelible markings:

- (1) The name of all persons making small quantity deliveries exempt from load information requirements by reason of Section 160.3.
- (2) The date any delivery is made.
- (3) The St. Clair County Waste Hauler Permit Identification Number found on all sides of the waste hauling transport unit where applicable.
- (4) Name of person or firm making a delivery.
- (5) Quantity of material.

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- (6) Signature of driver making delivery.
 - (7) A general location in the county that waste came from.
 - (8) General description of waste, e.g. residential, commercial, construction, etc.
- (b) The owner and/or operator of the solid waste disposal area must retain at the disposal area all information required pursuant to Section 200.5(a) above for a period of at least (3) three years from the date the material was accepted for disposal. Logs shall be available for inspection by any designated County Authority.
- (c) The above requirements of this Section 200.5 shall not be applicable to any solid waste disposal area owner or operator which has reached an agreement with the St. Clair County Administrator to administer alternative gate log procedures and record keeping acceptable to protect the public health, safety and the environment and are consistent with the St. Clair county Solid Waste Management Plan.

SECTION 200.6 ADMINISTRATIVE INSPECTION.

- (a) The Sheriff's Department and/or St. Clair County Health Department shall make periodic inspections of solid waste disposal areas located within the County for the purpose of reviewing records required to be maintained under this Regulation for accuracy and completeness. The premises of solid waste disposal areas shall also be inspected for the purpose of determining compliance with this Regulation and NREPA Part 115.
- (b) The solid waste disposal area owner, operator, or other representative shall be entitled to be present during an inspection conducted pursuant to this section, however, the presence of the licensee or an authorized representative of the licensee is not a condition precedent to such inspection.
- (c) Inspection conducted pursuant to this section may be initiated at any time that business is being performed or when the solid waste disposal area owner, operator, or other representative is present. The fact that an owner, or operator, or other representative leaves the solid waste disposal area after an inspection has been initiated shall not require the termination of the inspection. The owner, operator or other representative must be allowed a reasonable time to respond to the disposal area after reasonable attempts have been made to notify the owner, operator or other representative of the inspection under this section.
- (d) Any inspection conducted pursuant this section shall not continue for more than 24 hours after initiation unless a warrant to search has issued for same.

SECTION 200.7 BIENNIAL REPORT.

The owner or operator of a solid waste disposal area located within the County must prepare and submit a single copy of a biennial report to the County Administrator by March 1 or each even numbered year. The report must cover disposal area activities during the previous calendar years and must include:

- (a) The time period covered by the report.
- (b) A list of all solid waste haulers licensed within the County that have delivered

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materials for disposal during the reporting period;

(c) A description and the quantity of solid waste materials received during the report;

(d) The general location on site where each of the various types of solid waste have been disposed of for the reporting period.

SECTION 200.8 ADDITIONAL REPORTS.

In addition to submitting other reports required by this Regulation, the owner or operator of the solid waste disposal area must also report:

(a) Fires at the disposal areas;

(b) Explosions at the disposal area;

(c) Other information required by the County Administrator as may be necessary to demonstrate compliance with this Regulation.

SECTION 210 CRITERIA FOR MANAGEMENT AND OPERATION OF SOLID WASTE DISPOSAL AREAS

SECTION 210.1 REGULATION OF SOLID WASTE DISPOSAL AREA SITE USE

(a) Solid waste landfills in the County must be operated and maintained in accordance with all applicable provisions of NREPA Part 115 including, but not limited to, the Rules specifically pertaining to landfills found in Part 3 and Part 4 of the MDEQ Solid Waste Management Rules in Michigan Administrative Code sections R299.4301-R299.4319 (pertaining to Type III Landfills) and R299.4401-R299.4454 (pertaining to Type II Landfills).

(b) Solid Waste Transfer Facilities and Processing Plants must be maintained and operated in accordance with all applicable provisions of NREPA Part 115 including, but not limited to, the MDEQ Solid Waste Management Rules in Michigan Administrative Code sections R299.4501-R299.4509.

SECTION 210.2 SECURITY.

(a) The owner or operator of a solid waste disposal area must prevent an unknowing entry, and minimize the possibility for the unauthorized entry, or persons or livestock onto the active portion of the facility.

(b) The facility must have an artificial or natural barrier (e.g. a fence in good repair or a fence combined with a berm or earthen mound), which completely surrounds the active portion of the facility.

(c) A means to control entry, at all times, through the gates or other entrances to the active portion of the facility (e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility),

(d) The premises must be posted with signs legible from a distance of at least 25 feet that indicate that only authorized personnel are allowed to enter the disposal area,

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and that entry onto the disposal area can be dangerous.

SECTION 210.3 PREPAREDNESS AND PREVENTION.

(a) Facilities must be designed, constructed, maintained and operated to minimize the possibility of fire, explosion or uncontrolled release of solid waste material into the air, soil or surface water which could harm human health or the environment.

(b) The facilities at all solid waste disposal areas must be equipped with the following:

(1) A device, such as a telephone (immediately available at the scene of the operation) of a hand-held two-way radio capable of summoning emergency assistance from local police departments, fire departments, or state or local emergency response teams;

(2) Portable fire extinguishers;

(3) Reserved.

(c) The owner or operator of a solid waste disposal area must make the following arrangements as appropriate for the type of solid waste handled at the facility and the potential need for the services of these organizations.

(1) Arrangements which are updated every year to familiarize local police, fire departments and emergency response teams with the layout of the facility properties of the solid waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to the roads inside the facility, and possible evacuation routes;

(2) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority.

SECTION 210.4 CONTINGENCY PLAN AND EMERGENCY PROCEDURES.

(a) Each owner or operator of a solid waste disposal area must have a contingency plan for the facility. The contingency plan must be designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned release of solid waste material into the air, soil or surface water.

(b) The provisions of the plan must be carried out immediately whenever there is an imminent or actual emergency situation such as flooding caused by torrential rains, fire, explosion, or release of solid waste material which could threaten human health or the environment. Whenever there is an imminent or actual emergency situation, the emergency coordinator must immediately notify local, state, or federal agencies if there is a threat of adverse effect on human health, or the environment, in or around the disposal area.

(c) The contingency plan must describe the actions facility personnel must take

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in response to fires, explosions, or any unplanned release of solid waste material into the air, soil, or surface water in the disposal area.

(d) The plan must list names, addresses, and phone number (office and home) of all persons qualified to act as emergency coordinator (see Section 210.5) and others who are to be notified. The list must be kept up to date.

(e) The plan must include a list of all emergency equipment at the facility.

(f) A copy of the contingency plan must be kept at the disposal area and a copy provided to local police departments, fire departments, and the St. Clair County Emergency Preparedness Coordinator.

SECTION 210.5 EMERGENCY COORDINATOR.

At all times, there must be at least one employee either on site at the disposal area or on call (i.e., available to respond to an emergency by reaching the disposal area site within a short period of time) with the responsibility for coordinating all emergency measures. This emergency coordinator must be thoroughly familiar with all aspects of the disposal area's contingency plan, all operations and activities at the disposal site, the location and characteristics of various types of solid waste material handled, the location of all records within the facility, and the disposal area layout. In addition, this person must have the authority to commit the resources needed to carry out the contingency plan.

PART 300: DUTY TO PROVIDE ACCURATE INFORMATION TO REGULATORY AGENCY.

SECTION 300.1 DUTY TO PROVIDE

A person shall not furnish false, forged, fictitious, or intentionally misleading information, in written or verbal form, to a Designated County Authority or a peace officer while administering this Regulation.

PART 400: ANTI-LITTER REGULATION

SECTION 400.1 DEFINITIONS.

(a) As used in Section 400, litter shall mean all rubbish, refuse, waste material, garbage, offal, paper, glass, cans, bottles, trash, debris, or other foreign substances of every kind and description. Such material when placed at the curbside where normal collection occurs but for which no such collection has been arranged or authorized shall be deemed litter.

(b) The phrase "public or private property or waters" shall include but shall not be limited to:

- (1) The right-of-way of any road or highway, any body of water or watercourse, or the shores or beaches thereof and including the ice above such waters;
- (2) Any park, playground, buildings, refuge or conservation or recreation

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area; and

- (3) Any residential or farm properties or timberlands.

SECTION 400.2 RESTRICTIONS ON LITTERING

It is declared unlawful for any person, firm or corporation to knowingly dump, deposit, place, throw, or leave, or cause or permit the dumping, depositing, placing, throwing or leaving of litter, on any public or private property or waters without the permission of the owner, other than the property designated and set aside for such purposes within the County of St. Clair. It is further unlawful for any person, with or without the consent of the owner of the property, to place litter at a curbside for normal refuse collection without having made arrangements with a refuse collection hauler for the collection of the litter.

SECTION 400.3 REGULATIONS

(a) All public authorities who have supervision of public property of this state or any political subdivision thereof may post notice signs and otherwise to publicize the requirements of this Regulation.

(b) All public authorities who have supervision of public property in this state may establish and maintain receptacles for the deposit of litter on the property and publicize the location thereof.

PART 500: VIOLATION MISDEMEANOR; PENALTY ; CONTINUING VIOLATIONS; ARREST WITHOUT WARRANT; NOTICE TO APPEAR; GUILTY OR NOT GUILTY PLEAS; COSTS; WARRANT FOR ARREST.

SECTION 500.1 VIOLATION MISDEMEANOR.

A person who violates this Regulation is guilty of a misdemeanor. A person convicted under this Regulation may be punished by a fine of not more than \$1,000.00 and costs of prosecution and in default of payment of any portion of fine and costs, imprisonment for not more than six months. If a violation is of a continuing nature, each day upon which it occurs or continues shall be deemed a separate offense.

SECTION 500.2 ARREST WITHOUT WARRANT FOR MISDEMEANOR; NOTICE TO APPEAR; GUARANTEED APPEARANCE CERTIFICATE.

(a) When a person is arrested without a warrant for a violation of this Regulation punishable as a misdemeanor, the arresting officer shall prepare, as soon as possible and as completely as possible, an original and 3 copies of a written citation to appear in court containing the name and address of the person, the violation charged, and the time and

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place when and where the person shall appear in court. The officer shall inform the offender of the violation and shall give the second copy of the citation to the alleged offender. If the arrested person demands, he or she shall be taken before a judge or magistrate of the 72nd District Court for the State of Michigan in lieu of being given the citation.

(b) The time specified in the citation to appear shall be within a reasonable time after the arrest.

(c) The place specified in the citation to appear shall be before a court within the county in which the violation charged is alleged to have been committed and who has jurisdiction of the violation.

(d) Appearance may be made in person, by representation, or by mail. When appearance is made by representation or mail, the judge or magistrate may accept the plea of guilty or not guilty for purposes or arraignment, with the same effect as though the person personally, appeared before him or her. The judge or magistrate, by giving 5 days notice of the date of appearance, may require appearance in person at the time and place designated in the citation.

(e) When a person who is not a resident of the state is arrested without warrant for a violation of this act punishable as a misdemeanor, the arresting officer, upon demand of the arrested person, immediately shall take the person before a judge or magistrate of the vicinity to answer to the complaint made against the person. If a judge or magistrate is not available or an immediate trial cannot be had, the person arrested may recognize to the offer for his or her appearance by leaving with the officer a guaranteed appearance certificate or sum of money not to exceed \$500.00 in which case the following provisions apply:

(1) The officer making the arrest shall give a receipt to the person arrested for the guaranteed appearance certificate or the money deposited together with a written citation as provided in subsection (1).

(2) If the offender fails to appear as required in the citation, the guaranteed appearance certificate or deposit shall be forfeited as in other cases of default in bail, in addition to be any penalty provided in this Regulation.

(3) At or before the completion of his or her tour of duty, a police officer taking a certificate or deposit of money shall deliver the certificate or deposit of money either to the judge or magistrate named in the citation together with a report of the facts relating to the arrest, or to the police chief or person authorized by the police chief to receive certificate or the money deposited and citation in the same manner as prescribed for citations in this Regulation. Failure to make a report and deliver the money deposited shall be embezzlement of public money.

(4) "Guaranteed appearance certificate" means a card of certificate containing a printed statement that surety company authorized to do business in this state guarantees the appearance of the person whose signature appears on the card or certificate, and that the company, if the person fails to appear in court at the time of trial or sentencing or to pay any fines or costs imposed pursuant to this act, will pay any fine, costs, or bond forfeiture imposed on the person.

(f) An officer making an arrest under this chapter for a misdemeanor without a

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warrant shall not be entitled to any fees for making the arrest or the issuance of a citation under this section.

SECTION 500.3 GUILTY OR NOT GUILTY PLEA ON MISDEMEANOR.

When under Section 500.2 an officer issues a citation for a misdemeanor, a judge or magistrate may accept a plea of guilty or not guilty upon the citation, without the necessity of a sworn complaint but the officer shall sign the complaint before the offender pleads not guilty, further proceedings may not be had until a sworn complaint is filed with the judge or magistrate. A warrant for arrest shall not issue for an offense under this act until a sworn complaint is filed with the judge or magistrate.

SECTION 500.4 COSTS OF COMPELLING APPEARANCE.

In addition to fine assessed for the charge when found guilty, the judge or magistrate may also add to any fine and costs levied additional costs incurred in compelling the appearance of the person, which additional costs shall be returned to the general fund of the unit of government incurring the costs.

SECTION 500.5 WARRANT FOR ARREST.

This Regulation shall govern all law enforcement officers in making arrests without a warrant and shall not be construed as preventing the execution of a warrant for the arrest of a person for a misdemeanor as in other cases of misdemeanors when the same may be necessary.

SECTION 500.6 APPEARANCE TICKETS.

(a) A person believed to be in violation of this Regulation may be issued and served with an appearance ticket pursuant to Section 2463 of Act 368 of Public Acts of 1978, being Section 333.2463 of the Michigan Compiled Laws, commanding such person to appear in court.

(b) Failure to appear in court on the date for appearance will subject the person to arrest upon issuance of a complaint and warrant on recommendation of the County Prosecutor's Office.

(c) Persons convicted of a violation of this Regulation based upon an appearance ticket shall be guilty of a criminal misdemeanor and subject to a fine, or imprisonment, or both, as provided in Section 2441(2) of Act 368 of the Public Acts of 1978, being Section 333.2441(2) of the Michigan Compiled Laws.

(d) A Law Enforcement Officer or Health Department Official may issue appearance tickets without issuance, prior to issuance, or subsequent to issuance of a citation, violation notice, or order.

SECTION 500.7 ORDERS.

(a) Upon a determination by a Health Department Official that an imminent danger to health or lives of individuals exists, caused by a condition which constitutes a violation of this Regulation, the Health Department Official shall issue an order to the responsible party requiring immediate action to avoid, correct, or remove the imminent danger or take other action as provided by Section 2451 of Act 368 of the Public Acts of 1978, being Section 333.2451 of the Michigan Compiled Laws.

(b) Pursuant to Section 2455 of Act 368 of Public Acts of 1978, being Section 333.2455 of the Michigan Compiled Laws, a Health Department Official may issue an order to avoid, correct or remove, at the owner's expense, a building or condition which violates this Regulation or which the Health Department Official reasonably believes to be a nuisance, unsanitary condition or cause of illness caused by a condition of improper solid waste management.

(c) The person shall comply with an order issued under this Section within the time specified.

SECTION 500.8 CIVIL CITATIONS.

Pursuant to Act 368, P.A. 1978, Section 2461 and 2462, Health Department Representatives are hereby authorized to issue civil citations to be assessed for a specific violation of this Regulation at the time or not later than 90 days after discovery of the alleged violation. The citation shall be written and shall state with particularity the nature of the violation, including reference to the section, the civil penalty established for the violation, if any, and the right to appeal the citation. The citation shall be personally delivered or sent by registered/certified mail to the alleged violator.

(a) Not later than twenty (20) days after receipt of a civil citation, an alleged violator may petition the Health Department of an administrative hearing which shall be held within thirty (30) days after the receipt of the petition. After the administrative hearing, the administrator may affirm, dismiss, or modify the citation. The decision of the administrator shall be final, unless within sixty (60) days of the decision, the Board of Health or committee thereof, may affirm, dismiss or modify the citation.

(b) A person aggrieved by a decision of the administrator, the Board of Health or committee thereof, may petition the circuit court of St. Clair County for review. The petition of the court review shall be filed not later than sixty (60) days following receipt of the final decision concerning the civil citation.

(c) The Board of Health with approval of the St. Clair County Board of Commissioners shall adopt a schedule of monetary civil penalties of not more than \$1,000.00 for each violation or day the violation continues which may be assessed for a specific violation of the code, or the Michigan Public Health Code, or a rule or regulation adopted, or order issued which the health department has the authority and duty to enforce.

(d) The Board of Health shall publish specific violations in a civil citation

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schedule or monetary penalties which shall establish a monetary penalty for the specific violation named, and the penalty fine shall be determined upon the nature, threat or seriousness of each violation. The amount of monetary penalty shall be doubled for a second citation for the same violation, and tripled for a third citation of a specific violation. Thereafter, each citation shall be the maximum penalty permitted by law.

(e) When a violation of these regulations or another law, regulation or rule which the Health Officer has the duty to enforce exists, and for which no specific monetary penalty has been published, the monetary penalty shall be \$100.00 for the first citation, \$250.00 for the second citation and \$500.00 for each citation thereafter.

(f) A civil penalty shall become final if a petition for an administrative hearing or review is not received within the time specified in this article.

(g) A civil penalty imposed under this part is payable to the Health Department for deposit with the County General Fund.

(h) A civil penalty may be recovered in a civil action brought in the county in which the violation occurred or the defendant resides. Any judgments rendered pursuant to such actions shall be payable to the Health Department for deposit with the County General Fund.

SECTION 500.9 CIVIL ACTIONS TO ENJOIN VIOLATIONS, CIVIL FINES AND COSTS.

(a) Enforcement under NREPA Part 115:

(1) The St. Clair County Corporation Counsel, pursuant to Section 11546 of NREPA Part 115, being Section 324.11546 of the Michigan Compiled Laws, may bring an action in the name of the People of the County based on facts arising within St. Clair County for any appropriate relief including injunctive relief for a violation of this Regulation or a violation of NREPA Part 115 or the MDEQ Solid Waste Management Rules.

(2) In addition to any other relief provided by this section, the Court may impose on any person who violates any provision of this Regulation, NREPA Part 115 or the MDEQ Solid Waste Management Rules or who fails to comply with any permit, license, or final order issued pursuant to this Regulation, NREPA Part 115 or the MDEQ Solid Waste Management Rules a civil fine of not more than \$10,000.00 for each day of violation.

(3) In addition to any other relief provided by this section, the Court may order a person violating this Regulation, NREPA Part 115 or the MDEQ Solid Waste Management Rules either to restore or to pay to the state an amount equal to the cost of restoring the natural resources of this state affected by the violation to their original condition before the violation, and to pay to the County the costs of surveillance and enforcement incurred by the County as a result of the violation.

(4) This section does not preclude any person from commencing a civil action based on facts that may also constitute a violation of this section of this Regulation, NREPA Part 115 or MDEQ Solid Waste Management Rules.

(b) Enforcement under Public Health Code pursuant to Sections 2462(3) and 2465(1) of Act 368 of Public Acts 1978, being Section 333.2462(3) and Section 333.2465(1) of the Michigan Compiled Laws, the St. Clair County Corporation Counsel

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may institute appropriate civil court actions:

(1) Enforce and enjoin violation of this Regulation including citations, violation notices and orders issued under this Regulation and agreements, contracts or arrangements entered into under this Regulation.

(2) Restrain, abate or destroy conditions causing pollution, destruction, or impairment of the environment.

PART 600: AMENDMENT, INTERPRETATION , EFFECTIVE DATE, ETC.

SECTION 600.1 AMENDMENTS.

(a) This Regulation may be amended because of development of new solid waste technologies, or recognition of emerging solid waste management problems.

(b) Any amendments to this Regulation will be made after public notice and public hearing pursuant to Section 2442 of Act 368 of the Public Acts of 1978, being Section 333.2442 of Michigan Compiled Laws.

SECTION 600.2 INTERPRETATION CLAUSES.

(a) This Regulation provides minimum standards, supplemental to the statutes of the State of Michigan and the administrative rules duly promulgated thereunder. Where any provision of this Regulation and a provision of any federal or state statute or rule both apply, the more restrictive of any or all codes, statutes, ordinances or rules shall prevail.

(b) Provisions of this Regulation shall be construed liberally so as to best preserve the public health and safety.

(c) The word "shall" is mandatory, not merely directory.

SECTION 600.3 SEVERABILITY.

If any part of this Regulation is declared illegal or unconstitutional by a court of competent jurisdiction, that decision shall not affect any portion of the Regulation which remain but the remainder shall be in full force and effect.

SECTION 600.4 SAVINGS CLAUSE

Regulations adopted by St. Clair County or the St. Clair County Board of Commissioners which are in effect on the effective date of this Regulation continue to the extent they do not conflict with this Regulation.

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SECTION 600.5 EFFECTIVE DATE.

This Regulation shall become effective on the date the Director of the Michigan Department of Environmental Quality approves the St. Clair County Solid Waste Management Plan.



**ST. CLAIR COUNTY
METROPOLITAN PLANNING COMMISSION**

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