

SELECTED SYSTEM

RECYCLING: cont.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Development</u>	<u>Management Operation</u>	<u>Responsibilities Evaluation</u> ²
St. Clair County, Ira Twp.	County wide	pub	d	d	E,F,	2	6	6
Marysville Metro 25 Center	all customers	pri	o	d	K	5	5	5
Anchor Recycling	County wide	pri	o	d	ABCDEFP	5	5	5
St. Clair County, Burtchville Twp.	County wide	pub	d	d	E,F,	2	6	6
St. Clair County, China Twp.	County wide	pub	d	d	E,F,	2	6	6
St. Clair County, Memphis DPW	County wide	pub	d	d	E,F,	2	6	6
St. Clair County, Clay Twp.	County wide	pub	d	d	E,F,	2	6	6
St. Clair County, Clay Twp./ Harsens Island	County wide	pub	d	d	E,F,	2	6	6

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⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page 32.

SELECTED SYSTEM

TABLE III-2

COMPOSTING:

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Development</u>	<u>Management Operation</u>	<u>Responsibilities Evaluation</u> ²
Ram Farms	all customers	<u>pri</u>	<u>o</u>	—	—	<u>5</u>	<u>5</u>	<u>5</u>
Tecni Comp Environmental	all customers	<u>pri</u>	<u>o</u>	<u>Sp,Su,Fa</u>	<u>G,L,W</u>	<u>5</u>	<u>5</u>	<u>5</u>
Indian Summer Recycling	all customers	<u>pri</u>	<u>o</u>	<u>Sp,Su,Fa</u>	<u>G,L,W</u>	<u>5</u>	<u>5</u>	<u>5</u>
Marcotte	all customers	<u>pri</u>	<u>arrange</u>	<u>arrange</u>	<u>G,L,W</u>	<u>5</u>	<u>5</u>	<u>5</u>
Clay Twp. Yard Waste Disposal	Clay Twp.	<u>pub</u>	<u>o</u>	<u>Su,Fa</u>	<u>G,L</u>	<u>3</u>	<u>3</u>	<u>3</u>
MSU Extension Compost Bin Sales	County wide	<u>pub</u>	<u>N/A.</u>	<u>N/A.</u>	<u>G,L,F,W</u>	<u>MSU Ext.</u>	<u>MSU Ext.</u>	<u>MSU Ext.</u>
Residential Backyard Composting	County wide	<u>pri</u>	<u>o</u>	<u>d</u>	<u>GLFWPAM</u>	<u>N/A.</u>	<u>N/A.</u>	<u>N/A.</u>
Waste Management	Algonac	<u>pri</u>	<u>c</u>	<u>Su,Fa</u>	<u>G,L</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	Marysville	<u>pri</u>	<u>c</u>	<u>Su,Fa</u>	<u>G,L</u>	<u>5</u>	<u>5</u>	<u>5</u>
		—	—	—	—	—	—	—

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SELECTED SYSTEM

COMPOSTING: cont.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Development</u>	<u>Responsibilities Operation</u>	<u>Responsibilities Evaluation</u>
Waste Management	Marysville	<u>pri</u>	<u>c</u>	<u>Wi</u>	<u>Xmas Trees</u> ⁵	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	Memphis	<u>pri</u>	<u>c</u>	<u>arrange</u>	<u>Arrange</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	Port Huron	<u>pri</u>	<u>c</u>	<u>Su,Fa</u>	<u>G,L</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	St. Clair	<u>pri</u>	<u>c</u>	<u>arrange</u>	<u>Arrange</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	Yale	<u>pri</u>	<u>c</u>	<u>arrange</u>	<u>Arrange</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	China Twp.	<u>pri</u>	<u>c</u>	<u>Su,Fa</u>	<u>G,L</u>	<u>5</u>	<u>5</u>	<u>5</u>
Waste Management	East China Twp.	<u>pri</u>	<u>c</u>	<u>Su,FA</u>	<u>G,L</u>	<u>5</u>	<u>5</u>	<u>5</u>

Additional programs and the above information for those programs are listed on an attached page.

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TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Since improper disposal of nonregulated hazardous materials has the potential to create risks to the environment and human health, the following programs have been implemented to remove these materials from the County's solid waste stream.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Development</u>	<u>Management Operation</u>	<u>Responsibilities Evaluation</u> ²
St. Clair County Household Hazardous Materials Collection Program/Clay Twp. Fire Dept.	County Wide	<u>pub</u>	<u>d</u>	<u>arrange</u>	<u>All</u>	<u>2</u>	<u>6</u>	<u>6</u>
St. Clair County Household Hazardous Materials Collection Program/Smiths Creek Landfill	County Wide	<u>pub</u>	<u>d</u>	<u>arrange</u>	<u>All</u>	<u>2</u>	<u>6</u>	<u>6</u>
B&D Shell	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Bud's Garage & Auto Mortuary	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Cawood Buick/Honda	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Clate's Performance	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>

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SELECTED SYSTEM

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS: Cont.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Development</u>	<u>Management Operation</u>	<u>Responsibilities Evaluation</u> ²
Don's Service	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Doug's Performance Center	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Herber's Collision and Service	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Hill's Garage	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Lee's Auto & Truck Repair	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Lincoln Auto Service	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Marysville Goodyear Tire	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
McKinch's Garage	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Oil Change Express	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
St. Clair Engine Rebuilders	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>

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Tractor Supply Co.	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>
Zimmer's Sales & Service	All Customers	<u>pri</u>	<u>o</u>	<u>d</u>	<u>U</u>	<u>5</u>	<u>5</u>	<u>5</u>

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TABLE III-4

PROPOSED RECYCLING:

<u>Program Name</u> (if known)	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
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TABLE III-5

PROPOSED COMPOSTING:

<u>Program Name,</u> (if known)	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Howards Solid Waste Transfer & Reclamation Facility	All Customers	pri	o	N.A.	N./A.	5	5	5
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TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

<u>Program Name,</u> <u>(if known)</u>	<u>Service Area</u> ¹	<u>Public or</u> <u>Private</u>	<u>Collection</u> <u>Point</u> ³	<u>Collection</u> <u>Frequency</u> ⁴	<u>Materials</u> <u>Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
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		---	---	---	---	---	---	---
		---	---	---	---	---	---	---

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IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

The following identifies those public and private parties, and the resource recovery or recycling programs for which they have management responsibilities.

Environmental Groups:

There are no Environmental groups with resource recovery or recycling program management responsibilities.

Other:

- St. Clair County Board of Commissioners – Resource Recovery Office/Recycling Drop-Off Sites
- MSU Extension Office/Master Gardener Program – Backyard Composting/Composting Bin Sales
- Waste Management – Residential Curbside Recyclables/Compost Collection
- BFI – Residential Curbside Recyclables/Compost Collection
- World Waste – Residential Recyclables Collection
- Howard Solid Waste Transfer and Reclamation Facility – Private, residential, commercial and industrial resource recovery.
- Anchor Recycling – Private, commercial and industrial resource recovery
- Anchor Recycling – Recycling Drop-Off Site
- All other private companies that offer onsite, drop-off recycling sites

PROJECTED DIVERSION RATES:

The following estimates the annual amount of solid waste which is expected to be diverted from landfills and incinerators as a result of the current resource recovery programs and in five and ten years.

<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>			<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>		
	<u>Current</u>	<u>5th Yr</u>	<u>10th Yr</u>		<u>Current</u>	<u>5th Yr</u>	<u>10th Yr</u>
A. TOTAL PLASTICS:	<u>305</u>	<u>320</u>	<u>333</u>	G. GRASS AND LEAVES:	<u>59,206yd³</u>	<u>61,870</u>	<u>64,534</u>
B. NEWSPAPER:	<u>See D</u>	<u>---</u>	<u>---</u>	H. TOTAL WOOD WASTE:	<u>420</u>	<u>439</u>	<u>458</u>
C. CORRUGATED CONTAINERS:	<u>10,456</u>	<u>10,926</u>	<u>11,400</u>	I. CONSTRUCTION AND DEMOLITION:	<u>N./A.</u>	<u>---</u>	<u>---</u>
D. TOTAL OTHER PAPER:	<u>1212</u>	<u>1267</u>	<u>1321</u>	J. FOOD AND FOOD PROCESSING:	<u>N./A.</u>	<u>---</u>	<u>---</u>
E. TOTAL GLASS:	<u>1161</u>	<u>1213</u>	<u>1266</u>	K. TIRES ¹ :	<u>12.8</u>	<u>13</u>	<u>13.2</u>
F. OTHER MATERIALS:				L. TOTAL METALS ² :	<u>233</u>	<u>243</u>	<u>254</u>
F1. FLY ASH	<u>150,000</u>	<u>175,000</u>	<u>200,000</u>				

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

The following identifies how much volume that existing markets are able to utilize of the recovered materials which were diverted from the County's solid waste stream.

<u>Collected Material:</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>	<u>Collected Material</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>
A. TOTAL PLASTICS:	<u>50%</u>	<u>---</u>	G. GRASS AND LEAVES:	<u>100%</u>	<u>---</u>
B. NEWSPAPER:	<u>100%</u>	<u>---</u>	H. TOTAL WOOD WASTE:	<u>100%</u>	<u>---</u>
C. CORRUGATED CONTAINERS:	<u>100%</u>	<u>---</u>	I. CONSTRUCTION AND DEMOLITION:	<u>N./A.</u>	<u>---</u>
D. TOTAL OTHER PAPER:	<u>100%</u>	<u>---</u>	J. FOOD AND FOOD PROCESSING	<u>N./A.</u>	<u>---</u>
E. TOTAL GLASS:	<u>50%</u>	<u>---</u>	K. TIRES:	<u>100%</u>	<u>---</u>
F. OTHER MATERIALS:			L. TOTAL METALS:	<u>100%</u>	<u>---</u>
F1. _____	<u>---</u>	<u>---</u>			

¹ This only represents tires recovered at Smiths Creek Landfill

² Tin, Metal and aluminum containers from curbside recyclable collection and County Drop-Off Sites

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

It is often necessary to provide educational and informational programs regarding the various components of a solid waste management system before and during its implementation. These programs are offered to avoid miscommunication which results in improper handling of solid waste and to provide assistance to the various entities who participate in such programs as waste reduction and waste recovery. Following is a listing of the programs offered or proposed to be offered in this County.

<u>Program Topic</u> ¹	<u>Delivery Medium</u> ²	<u>Targeted Audience</u> ³	<u>Program Provider</u> ⁴
<u>1,3,4,5</u>	<u>f,e</u>	<u>p,b,l,s</u>	<u>Resource Recovery Office</u>
<u>1,3,4,5</u>	<u>w.o.f.e</u>	<u>p,b,l,s</u>	<u>Ex</u>
<u>2</u>	<u>w,n,o,f</u>	<u>p,s</u>	<u>Ex, Office/Master Gardener</u>
<u>1,3</u>	<u>f</u>	<u>p,b,l,s</u>	<u>County Health Department</u>
<u>1,2,3,4,5</u>	<u>f</u>	<u>p,b,l,s</u>	<u>Waste Management</u>
<u>1,2,3,4,5</u>	<u>f</u>	<u>p,b,l,s</u>	<u>BFI</u>
<u>1,2,3</u>	<u>f,o</u>	<u>p,b,l,s</u>	<u>Most Communities</u>
—	—	—	—

¹ Identified by 1 = recycling; 2 = composting; 3 = household hazardous waste; 4 = resource conservation; 5 = volume reduction; 6 = other which is explained.

² Identified by w = workshop; r = radio; t = television; n = newspaper; o = organizational newsletters; f = flyers; e = exhibits and locations listed; and ot = other which is explained.

³ Identified by p = general public; b = business; i = industry; s = students with grade levels listed. In addition if the program is limited to a geographic area, then that county, city, village, etc. is listed.

⁴ Identified by EX = MSU Extension; EG = Environmental Group (Identify name); OO = Private Owner/Operator (Identify name); HD = Health Department (Identify name); DPA = Designated Planning Agency; CU = College/University (Identify name); LS = Local School (Identify name); ISD = Intermediate School District (Identify name); O = Other which is explained.

Additional efforts and the above information for those efforts are listed in Appendix E.

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

This timetable is a guideline to implement components of the Selected System. The Timeline gives a range of time in which the component will be implemented such as "1995-1999" or "On-going." Timelines may be adjusted later, if necessary.

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 Feasible • Expand the efforts and responsibilities of the Health Department in the areas of Resource Recovery and Pollution Prevention 	Ongoing <ul style="list-style-type: none"> • 2000 • Ongoing • Ongoing
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

SITING REVIEW PROCEDURES

AUTHORIZED DISPOSAL AREA TYPES

The following solid waste disposal area types may not be sited by this Plan. Any proposal to construct a facility listed herein shall be deemed inconsistent with this Plan.

- Type II: Sanitary Landfill
- Type III Landfill
- Waste-to-Energy Facility
- Transfer Facility
- Processing Plant
- Materials Recovery Facility

St. Clair County has enlisted the services of EMCON/OWT Solid Waste Services to perform volume calculations in order to identify possible future expansions at the Smiths Creek Landfill. Two areas of potential expansion were identified in the calculations:

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

It should be noted that any expansion, vertical or horizontal, would require a new construction permit. A construction permit application would involve extensive engineering and preparation, such as an environmental assessment, a hydrogeologic monitoring plan, engineering plans and supporting calculations, operations plans, and evidence of consistency with the county solid waste management plan. This plan recognizes and includes the above future expansions of Smiths Creek Landfill that shall be deemed to be consistent with the Plan.

This Plan designates Howard's Solid Waste Transfer and Reclamation Center as a licensable transfer facility and processing plant. A proposed expansion approved by the Solid Waste Management Planning Committee (2/27/89) includes: a 55' x 100' addition to the first transfer/processing building, a compost area, and a recycling drop-off center. This plan recognizes and includes these proposed expansions of Howard's Solid Waste Transfer and Reclamation Center which shall be deemed to be consistent with the Plan.

SITING CRITERIA AND PROCESS

The following process describes the criteria and procedures to be used to site solid waste disposal facilities and determine consistency with this Plan. (attach additional pages if necessary)

St. Clair County has sufficient landfill capacity, utilizing Smiths Creek Landfill and Range Road Property (Type III) Detroit Edison, for the five and ten year planning periods. Therefore, a siting criteria and process are not required. The siting of any future additional solid waste disposal areas may be accomplished only by amendment of the St. Clair County Solid Waste Management Plan.

SOLID WASTE MANAGEMENT COMPONENTS¹

The following identifies the management responsibilities and institutional arrangements necessary for the implementation of the Selected Waste Management System. Also included is a description of the technical, administrative, financial and legal capabilities of each identified existing structure of persons, municipalities, counties and state and federal agencies responsible for solid waste management including planning, implementation, and enforcement.

Introduction:

It is the intent of this Plan to acknowledge the management system that is in place, to reflect on current roles and to recommend policies or tasks under the plan that ensure compliance with the plan, NREPA Part 115, and state laws, in order to improve effectiveness of the general system.

This Solid Waste Management Plan will be coordinated with any subsequent county land use plans, or other elements of the St. Clair County Master Plan.

Following is a list of parties responsible for solid waste management planning, implementation and enforcement and a brief account of some existing duties and proposed:

County Board of Commissioners and Administrator Controller:

Provides overall direction to county government; financial support and oversight to county solid waste management programs. One County Commissioner sits on the Solid Waste Management Planning Committee affording direct involvement in planning. An Environmental and Public Works subcommittee reports to full board re: air and water pollution, landfills, solid waste management planning, etc. County-owned landfill management decisions rest with this board, and administrator. The County Board hires the Administrator/Controller and Resource Recovery Coordinator for the county. The County Administrator /Controller is also responsible for receiving and maintaining copies of bi-annual reports, closure records and other records required to be filed with the county by solid waste disposal area owners and operators.

Under the plan, the County Board and County Administrator/Controller will enact ordinances and policies complementing state policy on waste reduction, source separation, resource recovery, composting, education and household hazardous materials collection (as recommended in this plan); and will continue to consider support of county waste management programs such as: financial commitment; labor; and control of county owned disposal facilities. Applications for solid waste hauler permits as specified under the Monitoring and Enforcement Mechanism issued by and filed with the St. Clair County Administrator/Controller.

¹ Components or subcomponents may be added to this table.

St. Clair County Metropolitan Planning Commission:

Pursuant to NREPA Part 115, Section 11533 and Rule 702(1), the County Board of Commissioners shall appoint the Designated Planning Agency (DPA) who is responsible for the plan preparation. The duties of the DPA are specified in both sections of the laws and the rules of the NREPA Part 115 (Section 11535 and Rules 706, 707, 711[g]). These duties include:

- arrange and hold meetings of the Solid Waste Management Planning Committee (COMMITTEE)
- hold public hearings on the draft of the 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 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 seven 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 DPA.

There is no role of approval by the SCCMPC in this process. The COMMITTEE serves that function and will continue to do so.¹

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.

¹ See Memorandum of Understanding in Appendix A, under Coordination Efforts.

Solid Waste Management Planning Committee:

Responsible for the Plan Update, administers applications for amendments to the plan, reviews proposed projects for conformity with plan, actively pursues new resource recovery techniques, and maintains inventory of existing operations between Updates. Future endeavors may include establishing a means to review landfill closing and land reuse.

Cooperative Extension Service:

Provides technical and educational assistance to Planning Commission in management areas of agricultural and natural resources, including resource recovery and backyard composting; responsible for public education in same areas.

The Cooperative Extension Service is expected to play a large role in education, and will assist in countywide composting efforts. The Cooperative Extension Service office also serves as the agent to monitor the Clean Sweep program that aids in the collection of banned and unlicensed pesticides and herbicides from farms, to ensure the proper disposal of such wastes.

Health Department:

Acts as a liaison to the Department of Environmental Quality and: is responsible for an advisory analysis of feasibility for proposed new Solid Waste disposal facilities; comments on applications for licenses or permits for Solid Waste Disposal facilities; routinely inspects licensed Solid Waste disposal areas; investigates complaints against licensed facilities and against allegations of unlawful dumping; responsible for adoption of regulations necessary to supplement and enforce St. Clair County's Solid Waste Management Plan, and has enforcement responsibilities under the Monitoring and Enforcement Mechanism attached as Appendix E. Provides advice and consultation during the preparation of an update to a plan upon request of the planning committee and/or designated planning agency, the County, the private sector, municipalities, and other appropriate organizations.

Corporation Counsel:

Assists during preparation of Plan's Monitoring and Enforcement Mechanism; prosecutes those who do not observe state statutes, county ordinances or policies, set forth by the Plan or under Act 451. Legal authority under which the plan will be implemented and enforced rests primarily with NREPA Part 115, the Monitoring and Enforcement Mechanism and the Michigan Public Health Code.

The Corporation Counsel will continue to prosecute those who do not observe statutes, any county ordinances, or enforcement policies of this plan.

Sheriff Department:

The Sheriff Department along with several other County agents such as the County Weigh Master, County Administrator and Health Department will police solid waste haulers and solid waste disposal areas as a county designated authority under the Monitoring and Enforcement Mechanism.

Office of Emergency Management

The St. Clair County Office of Emergency Management will be responsible for monitoring contingency plans filed by solid waste disposal area owners/operators and will assist the capacity of the Sheriff Department in the event of an emergency at a disposal facility under the Monitoring and Enforcement Mechanism.

Collection and Transportation:

Collection and transportation of solid waste in St. Clair County is handled exclusively by private haulers through municipal contracts or contracts with individual businesses or residents. Specific information regarding this system is outlined in the Collection and Transportation Infrastructure section of this Plan.

The Monitoring and Enforcement Mechanism in this Plan requires that haulers be registered with the St. Clair County Administrator/Controller. Likewise, many communities require haulers to be licensed to haul within their jurisdiction. Many require renewal of vehicle licenses and vehicle inspections during December.

Resource Recovery Management:

Since Recycling and Composting were especially important to the planned solid waste management system outlined in the 1990 Plan, the County Board of Commissioners hired a Recycling Coordinator on a contractual basis. The responsibilities of this position have now been taken over by the Resource Recovery Office. In addition to promotion, publicity, grant seeking, and education, the duties of this position include bridging the gap between sources of recoverable materials and markets. Programs such as presentation to community leaders, service groups, and industry to solicit support and tracking of current recycling business are likely. With the assistance of this person, the Solid Waste Management Planning Committee can chart the volume of materials recovered each year and measure how well recommendations of this plan are implemented.

Monitoring and Enforcement Activity:

Under this plan, Monitoring and enforcement activity will ensure compliance with NREPA Part 115 and plan policies by setting forth specific policies under a Monitoring and Enforcement Mechanism, designed to be enforceable under NREPA Part 115, by county ordinance, and the public health code. The Mechanism designates County authorities under this document to police haulers and solid waste disposal areas for compliance with this mechanism, namely, the County Administrator, Weigh Master, Health and Sheriff Departments. Violators of this ordinance will be subject to the penalties described under the Mechanism.

IDENTIFICATION OF RESPONSIBLE PARTIES

Document which entities within the County will have management responsibilities over the following areas of the Plan.

Resource Conservation:

Source or Waste Reduction – Smiths Creek Landfill; All Citizens, businesses, and industries; Private Waste Companies.

Product Reuse – All citizens, businesses, and industries.

Reduced Material Volume - All citizens, businesses, and industries.

Increased Product Lifetime - All citizens, businesses, and industries.

Decreased Consumption - All citizens, businesses, and industries.

Resource Recovery Programs:

Composting – Resource Recovery Office; St. Clair County Health Department; MSU Cooperative Extension Service; Private Composting Industry; Private Haulers; Residents; Municipalities.

Recycling – Resource Recovery Office; St. Clair County Health Department; Private Solid Waste Industry; Private Haulers; Municipalities; Residents; Businesses; Industries.

Energy Production – Resource Recovery Office

Volume Reduction Techniques: Smiths Creek Landfill; Private Haulers; Private Solid Waste Industry; Residents, Business and Industries through voluntary efforts.

Collection Processes: Private haulers; Private Solid Waste Industry; Municipalities; Residents.

Transportation: Private Haulers; Private Solid Waste Industry; Michigan Department of Transportation (MDOT), County Road Commission.

Disposal Areas:

Processing Plants – Private Solid Waste Industry; Solid Waste Management Planning Committee (SWMPC); Metropolitan Planning Commission (DPA); Board of Commissioners (BoC); St. Clair County Health Department; Municipalities; Michigan Department of Environmental Quality (MDEQ).

Incineration – N./A.

Transfer Stations – Private Solid Waste Industry; Solid Waste Management Planning Committee (SWMPC); Metropolitan Planning Commission (DPA); Board of Commissioners (BoC); St. Clair County Health Department; Municipalities; Michigan Department of Environmental Quality (MDEQ).

Sanitary Landfills – Private Solid Waste Industry; Solid Waste Management Planning Committee (SWMPC); Metropolitan Planning Commission (DPA); Board of Commissioners (BoC); St. Clair County Health Department; Municipalities; Michigan Department of Environmental Quality (MDEQ).

Ultimate Disposal Area Uses: Private Solid Waste Industry; Municipalities; Board of Commissioners; MDEQ.

Local Responsibility for Plan Update Monitoring & Enforcement: See pages III-37 through III-41 (Board of Commissioners, Health Department, Sheriff Department, Weigh Master, Administrator/Controller, office of Emergency Management). See Monitoring and Enforcement Mechanism in Appendix E.

Educational and Informational Programs: Resource Recovery Office; St. Clair County Health Department; MSU Cooperative Extension Service; Private Haulers; Municipalities; public and private schools.

Documentation of acceptance of responsibilities is contained in Appendix D.

LOCAL ORDINANCES AND REGULATIONS AFFECTING SOLID WASTE DISPOSAL

This Plan update's relationship to local ordinances and regulations within the County is described in the option(s) marked below:

- 1. Section 11538.(8) and rule 710 (3) of Part 115 prohibits enforcement of all County and local ordinances and regulations pertaining to solid waste disposal areas unless explicitly included in an approved Solid Waste Management Plan. Local regulations and ordinances intended to be part of this Plan must be specified below and the manner in which they will be applied described.

- 2. This Plan recognizes and incorporates as enforceable the following specific provisions based on existing zoning ordinances:

A. Geographic area/Unit of government: **St. Clair County**

Type of disposal area affected: **All**

Ordinance or other legal basis: **Monitoring and Enforcement Mechanism**

Requirement/restriction: ***See Mechanism in Appendix E.**

B. Geographic area/Unit of government: _____

Type of disposal area affected: _____

Ordinance or other legal basis: _____

Requirement/restriction: _____

- 3. This Plan authorizes adoption and implementation of local regulations governing the following subjects by the indicated units of government without further authorization from or amendment to the Plan.

Regulations meeting these qualifications may be adopted and implemented by the appropriate governmental unit without additional authorization from, or formal amendment to, the Solid Waste Management Plan, within the rules of Act 451.

Allowable areas of local regulation include:

- 1. Certain ancillary construction details, such as landscaping and screening
- 2. Hours of operation

3. Noise, litter, odor, and dust control
4. Facility security
5. Composting and recycling

Additional listings are on attached pages.

CAPACITY CERTIFICATIONS

Every County with less than ten years of capacity identified in their Plan is required to annually prepare and submit to the DEQ an analysis and certification of solid waste disposal capacity validly available to the County. This certification is required to be prepared and approved by the County Board of Commissioners.

- This County has more than ten years capacity identified in this Plan and an annual certification process is not included in this Plan.
- Ten years of disposal capacity has not been identified in this Plan. The County will annually submit capacity certifications to the DEQ by June 30 of each year on the form provided by DEQ. The County's process for determination of annual capacity and submission of the County's capacity certification is as follows:

Smiths Creek Landfill has a projected remaining capacity of 14,800,000 in-place cubic yards. This is equivalent to 29,600,000 in-gate cubic yards. This projection includes existing and future capacity.

The present permit design for Smiths Creek Landfill provides 5,700,000 cubic yards of total airspace and approximately 15 years of site life. Smiths Creek Landfill has requested the inclusion of two areas of potential expansion in this plan update:

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

The addition of the added airspace by the three areas of potential expansion increase the projected remaining capacity to 14,800,000 cubic yards and increase the estimated lifetime to 35.9 years. This plan recognizes the potential addition of 9,100,000 cubic yards of airspace provided by the two areas of potential expansion listed above.

A calculation was completed to determine the expected life of the site and assumed that all waste generated in St. Clair County would be disposed in Smiths Creek Landfill. Based on this waste projection, and the existing and future capacity, the expected life of Smiths Creek Landfill is 35.9 years. This exceeds the required capacity of St. Clair County of the next five and ten year planning periods.

As owner of Smiths Creek Landfill, St. Clair County has made its listed capacity available for all the communities in the St. Clair County planning area.

Further capacity information can be found in Appendix D.