

### STATE OF MICHIGAN

## DEPARTMENT OF ENVIRONMENTAL QUALITY LANSING



June 1, 2017

Mr. J. Henry Lievens, Chairperson Monroe County Board of Commissioners 125 East Second Street Monroe, Michigan 48161-2197

Dear Mr. Lievens:

The locally approved amendment to the Monroe County Solid Waste Management Plan (Plan Amendment) received by the Department of Environmental Quality (DEQ) on February 18, 2016, is hereby approved with modifications. The Plan Amendment required modifications that were sent to the Monroe County Designated Planning Agency contact, Mr. Daniel Rock, on December 1, 2016, and a follow-up modification letter on February 17, 2017. The approval of the modifications, dated April 21, 2017, was received from the Monroe County Board of Commissioners (BOC).

Upon approval by the DEQ, the Plan Amendment revises the entire Plan and should be viewed as a stand-alone document.

The following modifications were made to the Plan Amendment:

Throughout the Plan Amendment, the phrase "Mixed Waste Processing" has been used; however, this term is not defined. Based on our conversations, Monroe County is actually referring to a Solid Waste Processing Facility. Therefore, the term "Mixed Waste Processing Facility" throughout the Plan Amendment shall be replaced with the term "Solid Waste Processing Facility."

Page 10, FACILITY DESCRIPTION, Arbor Hills Landfill, the Operating Status check box for "Construction Permit" shall be marked as this facility has a construction permit. This same item shall be changed on page 47 of the Plan Amendment.

Page 16, FACILITY DESCRIPTION, Adrian Landfill, Inc., the Operating Status check box for "Open, but closure pending" shall be marked instead of "Open" as this is the current status of this facility. This same item shall be changed on page 52 of the Plan Amendment.

Page 17, FACILITY DESCRIPTION, Sauk Trail Hills Landfill, the Operating Status check box for "Closed" shall not be marked and the "Open" check box shall be marked instead as this facility is active and accepting solid waste for disposal. This same item shall be changed on page 53 of the Plan Amendment.

<u>Page 19, FACILITY DESCRIPTION, DTE Monroe Power Plant Ash Basin</u>, the Operating Status check box for "Construction Permit" shall be marked as this facility has a construction permit. This same item shall be changed on <u>page 55 of the Plan</u> Amendment.

<u>Page 20, FACILITY DESCRIPTION, Consumers Energy – J.R. Whiting Plant,</u> the Operating Status check box for "Construction Permit" shall be marked as this facility has a construction permit. This same item shall be changed on <u>page 56 of the Plan</u> Amendment.

<u>Page 23, FACILITY DESCRIPTION, Riverview Land Preserve</u>, the Operating Status check box for "Construction Permit" shall be marked as this facility has a construction permit. This same item shall be changed on <u>page 59 of the Plan Amendment</u>.

<u>Page 27, FACILITY DESCRIPTION, Stevens Disposal & Recycling Service, Inc.</u>, the Operating Status check box for "Construction Permit" shall be marked as this facility has a construction permit. This same item shall be changed on <u>page 63 of the Plan</u> Amendment.

Page 44, EXPORT AUTHORIZATION, the paragraph indicated by a double asterisk "\*\*", last sentence states, "Additional facilities located within the counties listed above shall be allowed to accept waste generated from Monroe County if an Agreement [Monroe County Solid Waste Disposal Facility Acknowledgement, Consent and Agreement] is signed between Monroe County and the facility." Please note that these Agreements were recently forwarded and are enclosed with this letter (Appendix A) and shall be included in the Plan. Therefore, only these counties that have a signed Agreement that are included in the Plan Amendment are authorized to receive waste from Monroe County as found in Appendix A.

Page 45, EXPORT AUTHORIZATION, the paragraph indicated by a triple asterisk "\*\*\*", the paragraph states, "Total Type III waste is unlimited when exported for disposal into a Type III facility. Conditional upon a signed Agreement between the accepting solid waste disposal facility and Monroe County." It shall be noted that Monroe County does not have a signed Agreement with any Type III facility located in either of these counties; therefore, while they are identified as a primary disposal county they are not authorized for waste disposal until an Agreement is signed and forwarded to the DEQ.

Page 46, SOLID WASTE DISPOSAL AREAS, Designated Solid Waste Disposal Areas Not In Monroe County, second sentence states, "Other disposal area facilities such as transfer stations or processing plants are also utilized upon a signed Agreement." Based upon our discussions it was Monroe County's intent to allow Type B transfer stations to be used without entering into an Agreement. Therefore, this sentence shall be changed to the following:

Other disposal area facilities such as Type A transfer stations or processing plants are also able to be utilized upon execution of a signed Agreement. Type B transfer stations listed may be utilized without execution of a signed Agreement.

<u>Page 46, SOLID WASTE DISPOSAL AREAS</u>, the inventory of existing disposal areas, Transfer Stations and Waste Processing Plants subsections, includes the Republic Services of Toledo – Erie Transfer Station; however, this facility does not exist at this time. Therefore, it shall be deleted from each of these subsections as well as the facility description pages found on <u>pages 25</u> and <u>61 of the Plan Amendment</u>.

Page 87, SELECTED SYSTEM, SITING REVIEW PROCEDURES, Unauthorized Disposal Area Types, first bulleted item, identifies "Non-selected Waste Systems" as a facility type that is deemed inconsistent with the Plan. However, this is not a disposal area type identified in Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 PA 451, as amended (Part115). Based upon further review of the Plan Amendment, Monroe County provided clarification of this terminology as specifically referring to municipal solid waste incinerators and waste-to-energy facilities as described in Appendix B. Therefore, the phrase "Non-selected Waste Systems" shall be changed to Municipal Solid Waste Incinerators and Waste-to-Energy facilities (Described in Appendix B).

Page 88, SELECTED SYSTEM, SITING REVIEW PROCEDURES, Authorized Disposal Area Types, second paragraph states, "Disposal areas at specific sites are identified on pages 86-88, and list according to the type of disposal area activity that is authorized by this Plan." However, these page numbers are incorrect. Therefore, the correct page numbers of 89-92 shall be identified instead. Further, the phrase, "activity that is authorized by this Plan" needs further clarification. Based upon our conversation, Monroe County intended this to mean the types of disposal facilities that are authorized to follow the siting process. Based upon the items discussed above, this paragraph shall be changed to the following:

Disposal areas at specific sites are identified on pages 89-92 and are listed according to the types of disposal facilities that are authorized by this Plan to be sited following the siting process.

Page 88, SELECTED SYSTEM, SITING REVIEW PROCEDURES, Authorized Disposal Area Types, fourth paragraph discusses the need for a facility to have sponsorship of the county or municipality of which is resides. However, based upon our conversations it was determined that Monroe County did not intend to require sponsorship of a facility and that it was a remnant of the previous Plan. Therefore, this paragraph and any reference to a "sponsored" facility shall be deleted from the Plan.

Page 88, SELECTED SYSTEM, SITING REVIEW PROCEDURES, Authorized Disposal Area Types, fifth paragraph states, "Facilities regulated under Part 115 include commercial operations that only dispose of waste that is generated on site. Such proposed commercial operations are consistent with the Plan and are not subject to the siting process." This paragraph is unclear as written and a definable term should be used to provide clarification. Based upon our conversation, it was the intention of Monroe County to allow for the siting of "captive facilities" without the need for them to follow the siting process. Per Section 11525a(5), "captive facility" means a landfill that accepts for disposal only nonhazardous industrial waste generated only by the owner of

the landfill or a nonhazardous industrial waste landfill as that is described in Section 11525(3). Therefore, this paragraph shall be changed to the following:

Captive facilities as defined in Part 115 are not subject to the siting process and are deemed automatically consistent with the Plan.

<u>Pages 88-89, SELECTED SYSTEM, SITING REVIEW PROCEDURES,</u> Authorized Disposal Area Types, Exemptions section, the purpose of this section is unclear and there were many modifications needed to provide clarity. Based upon our conversations it was determined that it would be best to delete this section in its entirety. Therefore, the Exemptions section shall be deleted from the Plan Amendment.

Page 89 under the, SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN: It was the intent of Monroe County to deem the proposed Erie Transfer Station, located at 6749 South Dixie Highway, Erie, Michigan 48133 and identified in Attachment B - Maps, as the Erie Services of Toledo site map parcel "Future transfer station area," as automatically consistent with the Plan Amendment for both a transfer station and processing facility. Therefore, the following shall be added on Page 89 under the, "SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN":

### Facilities Automatically Consistent with the Plan

- Erie Transfer Station – located at 6749 South Dixie Highway, Erie, Michigan 48133

Pages 89-92, SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN, A-1 Type III Landfill Disposal Areas; A-2 Type II Landfill Disposal Areas; A-3 Solid Waste Processing Facility Disposal Areas and A-4 Solid Waste Transfer Station Disposal Areas, the subsequent paragraph that is located after each of the tables references that, "These sites have been set aside for use as... and are automatically included in the Plan and do not have to be processed through any Plan siting mechanism." However, Monroe County intended for the facilities identified in each of these categories to be "authorized" to follow the siting process and not automatically consistent with the Plan. Therefore, each of these subsequent paragraphs shall be changed to the following:

These facilities have been set aside as disposal areas that are authorized to follow the Plan's Siting Mechanism for any expansions of current operations.

Page 92, SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN, Section B – Facilities Not Included in this Plan, identifies facility types that are specifically excluded from this Plan Amendment and are not allowed to be sited prior to a future Plan Amendment. It was the intent of Monroe County to only allow for the disposal areas identified under Sections A1–A4 to be authorized to follow the Plan's Siting Mechanism; all other facilities cannot be sited prior to a plan amendment. Therefore, the paragraph shall be changed to read as follows:

A proposal for any other disposal area, not specifically identified in the Plan, is specifically excluded from, is deemed inconsistent with the Plan, and cannot be sited prior to a properly promulgated Plan amendment.

Page 93, SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN, Section C —Plan Amendment to Include a Facility Not Included in this Plan, the intent of this subsection is to allow a facility to request the County to amend its Plan at any time if it is not included or consistent with the Plan. However, Section C is confusing and a facility has the ability to request the county to amend its Plan regardless of this subsection, thus this subsection is not needed and shall be deleted from the Plan Amendment.

Page 93, SELECTED SYSTEM, FACILITIES INCLUDED IN THIS PLAN, Section D – Other Facilities Not Requiring Designation, the facilities identified in this section are all non-solid waste disposal areas and are not required to abide by a Plan's Siting Mechanism. Therefore, to alleviate any confusion, this section shall be deleted from the Plan Amendment.

Page 94, SELECTED SYSTEM, Section A: Site Review Procedures, Suggested Timeline for Standard Review Process, table column "Action" states, "Note: The following will commence once the Monroe County BOC has officially agreed to open the Plan to review the proposed amendment." However, it was the intention of Monroe County to allow for specific disposal areas to follow the siting process and to not site a facility through a Plan Amendment. Therefore, this note shall be changed as follows:

Note: The following will commence once the Monroe County BOC has received an application from a proposed disposal area.

To alleviate any confusion throughout the siting process found on pages 87–110, where referencing the term "site" that it is defined by using item number 2, on page 100 as the "Legal description of all parcels included in the proposed disposal area." This note shall be added as a clarification statement to this section.

Page 111, SELECTED SYSTEM, SOLID WASTE MANAGEMENT COMPONENTS, Strengths of the Current Management System, last paragraph states, "The current organizational and management structure as just described is deemed to be consistent with the Plan and is authorized as the basis for further development of the Plan's Management Component with all the assignment of powers able to be provided by the Plan." To help provide clarity, this sentence shall be changed to the following:

The current organizational and management structure as just described is satisfactory for implementation and enforcement of the Plan.

Page 117, SELECTED SYSTEM, Local Ordinances and Regulations Affecting Solid Waste Disposal, item number 2 contains most of the information found in item number 3 on page 118. Because item number 3 contains more information, item number 2 shall be deleted.

<u>Page 120, SELECTED SYSTEM</u>, <u>Interim Siting Mechanism Process</u>, second sentence states, "Therefore, an interim siting mechanism which contains objective criteria and procedures for the selection of additional disposal area landfills is not included within this plan." To alleviate any confusion this sentence shall be changed as follows:

Therefore, an interim siting mechanism for landfills is not included in this plan.

The DEQ would like to thank Monroe County for its efforts in addressing its solid waste management issues. If you have any questions, please contact Ms. Christina Miller, Solid Waste Planning, Reporting and Surcharge Coordinator, Sustainable Materials Management Unit, Solid Waste Section, Waste Management and Radiological Protection Division, at 517-614-7426; millerc1@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Jack Schinderle, Division Director
Waste Management and Radiological
Protection Division

517-284-6551

### **Enclosure**

cc: Senator Dale W. Zorn

Representative Joseph Bellino Representative Jason Sheppard

Mr. Daniel Rock, Monroe County Recycling and Green Community

Ms. C. Heidi Grether, Director, DEQ

Ms. Amy Epkey, Environment Deputy Director, DEQ

Ms. Maggie Pallone, External Relations Deputy Director, DEQ

Ms. Sarah M. Howes, Legislative Liaison, DEQ

Mr. Steven R. Sliver, DEQ

Mr. Larry Bean, DEQ

Ms. Rhonda S. Oyer, DEQ

Mr. Jeff Spencer

Ms. Christina Miller, DEQ/Monroe County File

# Appendix A

## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGEMENT, CONSENT, AND AGREEMENT

Now comes, the Riverview Land Preserve, of 20863 Grange Road, Riverview, Michigan 48193 (hereinafter may be referred to as the "Facility"), which hereby acknowledges, consents, and agrees as follows:

WHEREAS, the Monroe County health Department has been designated as the responsible agency to administer and enforce the new Monroe Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written

acknowledgement, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

NOW THEREFORE, the above named and undersigned Facility hereby acknowledges receipt of a copy of the Monroe County Solid Waste Regulation Ordinance No. 002-12, consents to its jurisdiction and the application of all the terms, provisions, obligations and requirements of said Ordinance as it applies to solid waste disposal facilities, and hereby consents and agreement to the applicable permitting, reporting and payment of all fees established and required by said Ordinance, as may be amended from time to time, and consent and agrees to be subject to all enforcement remedies available to the administrator as provided in said Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

This Acknowledgment is expressly subject to the terms and conditions set forth in letters previously submitted by Riverview Land Preserve and Waste Management of Michigan to Ms. Jamie R. Dean of the Monroe County Health Department wherein certain reservations and concerns are expressed. Such letters provide that, among other matter, this Acknowledgment shall become effective at such time as all other disposal facilities that accept Monroe County Solid Waste execute an Acknowledgment substantially in conformance with the terms of this Acknowledgment.

The Acknowledgement, Consent, and Agreement has been entered into and executed on this 15th day of April, 2015 by Robert Bobeck, the Director of Solid Waste of the Riverview Land Preserve, as a duly authorized agent on behalf of the Facility.

WITNESSETH:

FACILITY: Riverview Land Preserve

Print name: Robert Bobeck

Its: Director of Solid Waste



Monroe County Health Department 2353 South Custer Rd. Monroe,MI. 48161 Attn.: Jamie Dean

October 12, 2012

Dear Jamie,

Enclosed are copies of the Monroe County Solid Waste Facility Acknowledgement, Consent, and Agreement forms for Sauk Trail Hills Landfill, Carleton Farms Landfill and Adrian Landfill. Please be advised that this letter is also to declare intent to be included in the amended Monroe County Solid Waste Management Plan.

Sincerely,

Ralph Ďach

General Manager

Republic Services Inc.

Ralph Dack

5011 S. Lilley Rd.

Canton, Mi. 48130

## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGMENT, CONSENT, AND AGREEMENT

Now comes, <u>VIEUNA VINTUM LAMFIL</u> (name of Facility), of (<u>a233 Harman Pd. Free MT</u> (address) (hereinafter may be referred to as the "Facility"), which hereby acknowledges, consents, and agrees as follows:

WHEREAS, the Monroe County Health Department has been designated as the responsible agency to administer and enforce the new Monroe County Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgment, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

this $M$ day of September, 2012 by $NAVIO$ Vossmer (name), the September $M$ more $M$ (title) of $M$	
(name of Facility), as a duly authorized officer or agent on behalf of said Facility.	
. /	
WITNESSETH: FACILITY: VIENNA JUNCTION LAND.	OFIL
Man	
KOKOMMO II (III) KX LO By: left lasma	
Title: GOVERNZ MANNEOR	

This Acknowledgment, Consent, and Agreement has been entered into and executed on

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## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGMENT, CONSENT, AND AGREEMENT

Soll sollier, Soul T	mail Hills L.F.	(name	of	Facility),	of
Canton, MI 48180	(address) (hereinafter may be	e referred	to as	the "Facilit	ty"),
which hereby acknowledges, cons	ents, and agrees as follows:				

WHEREAS, the Monroe County Health Department has been designated as the responsible agency to administer and enforce the new Monroe County Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgment, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

	ment has been entered into and executed on .
this 25th day of September, 2012 by	Ralph Dach (name),
the beneral Manager (title) of	Sauk Trail Hills L.F.
(name of Facility), as a duly authorized officer or age	ent on behalf of said Facility.
	By: Kalph Doub  Title: General Manager

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## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGMENT, CONSENT, AND AGREEMENT

Now comes Carleton Farm's harifi! (name of Facility), of Wew Boston, INT 48/64 (address) (hereinafter may be referred to as the "Facility"), which hereby acknowledges, consents, and agrees as follows:

WHEREAS, the Monroe County Health Department has been designated as the responsible agency to administer and enforce the new Monroe County Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgment, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

This Acknowledgment, Consent, and Agre	eement has been entered into and executed on
this 35th day of Septem ber, 2011 by	Relph Dach (name),
the General Manager (title) of	of Carleton Farms handfill
(name of Facility), as a duly authorized officer or a	agent on behalf of said Facility.
WITNESSETH:	By: Valph Duch Title: General Manager

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### MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGMENT, CONSENT, AND AGREEMENT

Now	comes,	Adrian	handfil1	<i></i>	(name	of	Facility),	of
1970 Code	in Hwy <del>2 11932</del>	<u>5./</u> (add	ress) (hereinafter		referred	to as	the "Facilit	y"),
			and agrees as follo	ows:				

WHEREAS, the Monroe County Health Department has been designated as the responsible agency to administer and enforce the new Monroe County Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgment, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

This Acknowledgment, Consent, and Agr	eement has been entered into and executed on .
this 15th day of September, 2011 by	Ralph Dach (name),
the beneval Manager (title)	of Adrian handfill
(name of Facility), as a duly authorized officer or	
WITNESSETTH:	By: Kalph Dach Title: Geneval Manager

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## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGMENT, CONSENT, AND AGREEMENT

Now comes, Volta ES Arbo Hills Lyndfill (name of Facility), of IX. Ou W. Six Mile Awhulk (address) (hereinafter may be referred to as the "Facility"), which hereby acknowledges, consents, and agrees as follows:

WHEREAS, the Monroc County Health Department has been designated as the responsible agency to administer and enforce the new Monroe County Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgment, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

This Acknowledgment, Consent, and	Agreement has been entered into and executed on
this 2 day of November , 2012	2 by David Mi Reffell (name),
the General Manager (ti	tle) of Voolin Es Arbor Hills Landhill, Inc.
(name of Facility), as a duly authorized office	r or agent on behalf of said Facility.
WITNESSETH:	FACILITY: Veolia ES Arbor Hills Landhill Alone
	By: MUMT
	Title: General Manager
MIK/sp COUNTY/SOLIDWASTE/disposalfocility agt	

## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY ACKNOWLEDGEMENT, CONSENT, AND AGREEMENT

Now comes, Waste Management of Michigan, Inc., d/b/a Woodland Meadows Landfill, of 5900 Hannan Road, Wayne, MI 48184 (hereinafter may be referred to as the "Facility"), which hereby acknowledges, consents, and agrees as follows:

WHEREAS, the Monroe County Health Department has been designated as the responsible agency to administer and enforce the new Monroe Solid Waste Regulation Ordinance adopted by the Monroe County Board of Commissioners and became effective August 4, 2012 (hereinafter may be referred to as the "Ordinance");

WHEREAS, said Ordinance regulates all of the solid waste generated and/or disposed of within the County of Monroe, Michigan, including that disposed of or transferred to a solid waste disposal facility outside of the County of Monroe;

WHEREAS, said Ordinance applies to any solid waste disposal facility which is located in Monroe County, Michigan, and any solid waste disposal facilities which are located outside of the County of Monroe, Michigan which receive solid waste generated in the County;

WHEREAS, the Monroe County Solid Waste Management Plan exclusively identifies and designates certain solid waste disposal facilities, which meet the standards set by the County of Monroe for such facilities and agree to be bound by and comply with the rules, regulations and ordinances established by Monroe County to regulate solid waste, solid waste haulers, and solid waste disposal facilities.

WHEREAS, inclusion of a solid waste disposal facility in the Monroe County Solid Waste Management Plan is conditioned upon the receipt of such disposal facilities' written acknowledgement, consent, and agreement to the jurisdiction and application of all of the terms, provisions, obligations and requirements of the Ordinance.

The above named facility recognizes and understands that consent, agreement and compliance with the Monroe County Solid Waste Regulation Ordinance is a condition necessary for the County of Monroe's discretionary inclusion in its Solid Waste Management Plan and for receipt of Monroe County solid waste materials.

This Acknowledgement is expressly subject to the terms and conditions set forth in Waste Management of Michigan's letter dated November 21, 2012 to Ms. Jamie R. Dean of the Monroe County Health Department. Such letter provides that, among other matters, this Acknowledgement shall become effective at such time as all other disposal facilities that accept Monroe County Solid Waste execute an Acknowledgement substantially in conformance with the terms of this Acknowledgement.

The Acknowledgement, Consent, and Agreement has been entered into and executed on this 28th day of November, 2012 by John Myers, the Director of Operations of Waste Management of Michigan, Inc. d/b/a Woodland Meadows Landfill, as a duly authorized agent on behalf of the Facility.

WITNESSETH:	FACILITY: Woodland Meadows Landfill
Harf for Hearly	By: July 21 John Myers, Director of Operations

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February 11, 2016

Ms. Christina Miller Environmental Quality Analyst DEQ – Waste and Hazardous Materials Division P.O. Box 30241 Lansing, MI 48909

RE: Monroe County Solid Waste Management Plan Amendment

Dear Ms. Miller,

Please find enclosed the locally approved Monroe County Solid Waste Management Plan Amendment. The Solid Waste Planning Committee has worked on amending the 2001 Monroe County Solid Waste Management Plan to address current conditions and prepare for the county's future solid waste management needs. The Monroe County Board of Commissioners voted to approve the amendment to the plan on October 20th, 2015. With resolutions of support from 21 out of 24 municipalities, or 87.5%, the amendment has surpassed the required 67% necessary for review by the Michigan Department of Environmental Quality (MDEQ). Once approved by the MDEQ, this amendment supersedes and replaces all prior solid waste management plans for Monroe County.

Summary of key items in this Amendment:

- A revised Solid Waste Disposal Facility and Hauler Licensing Ordinance
- Updated facility descriptions, specifically for the Republic Services Vienna Junction (VJ) Landfill, and Matlin Road Landfill. VJ has proposed a horizontal expansion that would provide an additional three to five years of capacity and a transfer station / processing plant to be constructed at a different location at a later date. Matlin Road has requested changes to their capacity in order to allow changes to the slope at the time of final cover.
- Designation of waste accepting facilities in Monroe County and out of Monroe County, which accept trash that is generated or transferred in Monroe County. Each facility has entered into an agreement with Monroe County regarding reporting requirements and fee collections.

Additionally, the following components are included where indicated:

- Signed and approved minutes indicating approval of the amendment by the Solid Waste Management Planning Committee
  - o Approval prior to the 90-day public comment period (Page 224)
  - o Approval before the Board of Commissioners formal action (Page 231)
- Board of Commissioners final approval (Page 244)
- A copy of the notice of public hearing (Page 229)

- Notes taken at the public hearing, written and oral comments (begin on page 165)
- Signed resolutions from municipalities (Begin on page 306)
- List of the Solid Waste Management Planning Committee members (Page 160)

Thank you in advance for your time and consideration. Please feel free to contact me with any questions at (734) 240-7909 or <a href="mailto:Dan\_Rock@monroemi.org">Dan\_Rock@monroemi.org</a> if you have any questions.

Daniel A. Rock

Monroe County Recycling and Green Community Program Coordinator

# 2016 SOLID WASTE MANAGEMENT PLAN AMENDMENT MONROE COUNTY, MICHIGAN

### MDEQ ADMINISTRATIVE DETAIL PAGE

**DATES:** 

Submitted to the MDEQ: February 11, 2016

Monroe County Board of Commissioners Approval: October 20, 2015

Solid Waste Planning Committee

Recommended Plan Update: September 22, 2015

#### 2016 PLAN AMENDMENT:

This document, once approved by the Monroe County Board of Commissioners, by at least 16 (67% of 24) of Monroe County's municipalities, and subsequently by the MDEQ Director, supersedes and replaces all prior solid waste management plans for Monroe County.

### PLAN REGION:

The Plan Update covers all Act 451, Part 115 non-hazardous solid wastes which are generated within Monroe County.

### DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:

Monroe County Planning/Environmental Health Division

CONTACT PERSON: Dan Rock, Solid Waste Coordinator

ADDRESS: Monroe County Health Department

**Environmental Health Division** 

2353 S. Custer Rd.

Monroe, MI 48161-2234

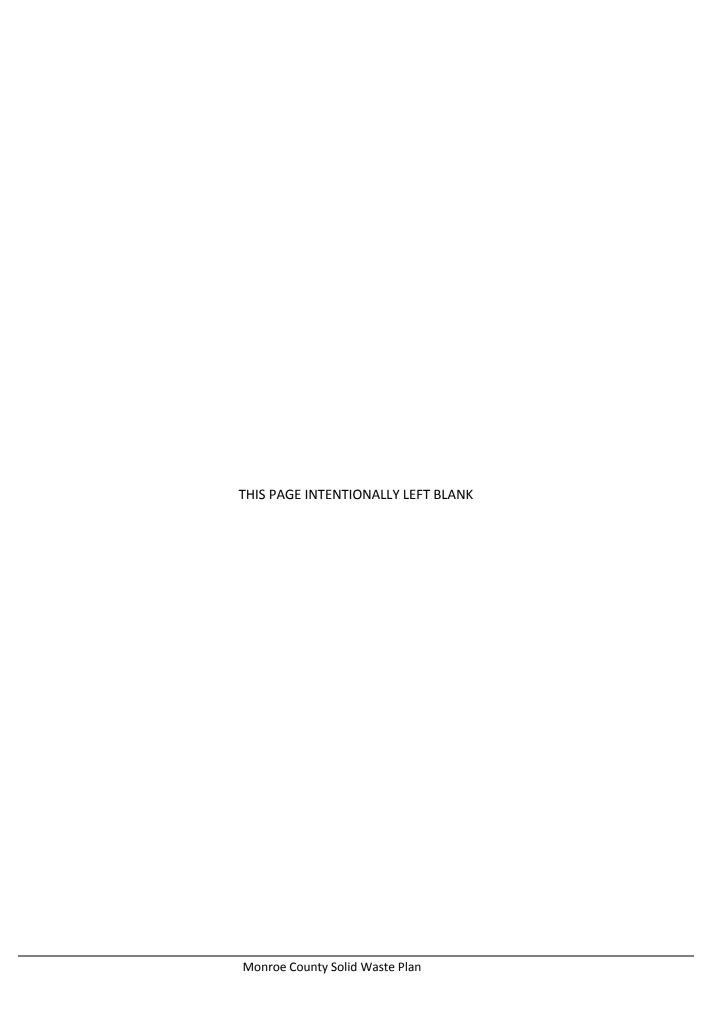
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### CENTRAL REPOSITORY LOCATION(S):

Monroe County Health Dept., Environmental Health Division, 2353 S. Custer Rd., Monroe, Michigan



### Monroe County Solid Waste Management Plan January 2016

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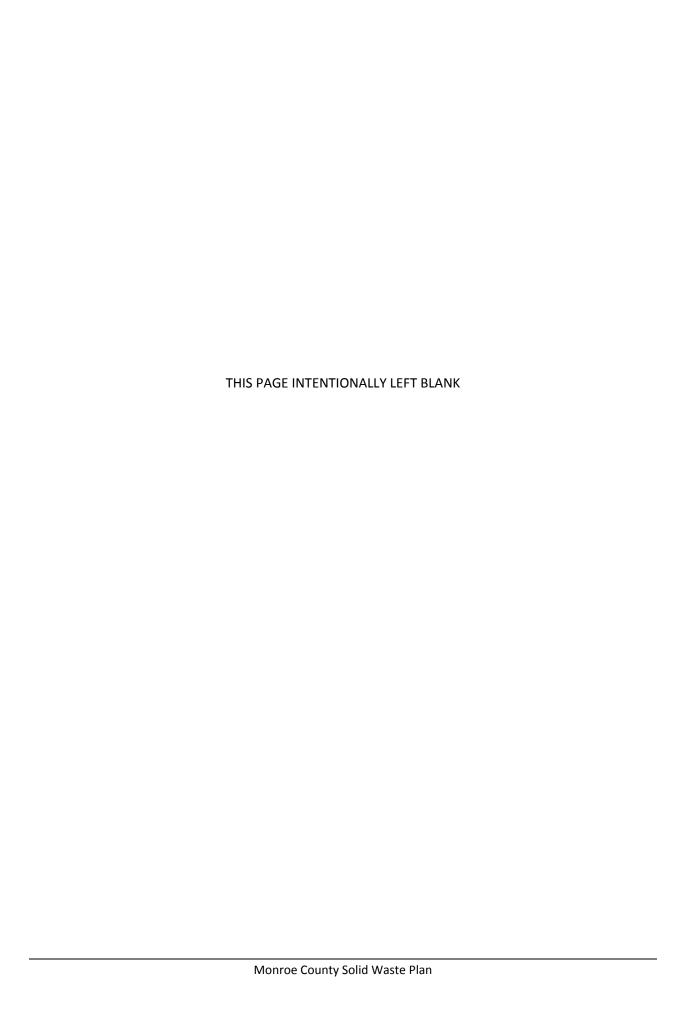
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### I-1 EXECUTIVE SUMMARY

The following summarizes the solid waste management system selected to manage the solid waste within Monroe County. In case of conflicting information, the information contained in the main body of the Plan will take precedence over the executive summary.

### **OVERVIEW OF THE COUNTY**

Monroe County is located in Southeast Michigan. It is bordered to the north by Wayne and Washtenaw Counties; to the east by Lake Erie; on the south by Lucas County, Ohio (including the metropolitan Toledo area); and to the west by Lenawee County. The County covers 562 square miles of which 12% is urban or residential and another 12% is forested. Monroe County has both largest percentage (approximately 74%) and most land area (over 260,000 acres) in agricultural use of all the counties in the Southeastern Michigan Council of Governments (SEMCOG) region. It also has approximately 4,400 acres of wetlands throughout the county. The residential areas are concentrated primarily in the City of Monroe, Frenchtown Charter Township, Bedford Township, and Monroe Charter Township.

Table I-1: Monroe County Land Use

	Agricultural & Vacant	Outdoor Recreation & Conservation	Water	Institutional, Commercial Industrial	Residential	Transportation, Communication & Utility
% of total	54.20%	2.8%	1.40%	6.50%	31.20%	3.90%
Acres	193,439	10,066	4,981	22,628	115,596	14,036

Source: SEMCOG Community Profiles

Monroe County has determined that population data and employment data (by type and place of work) as historically available from the U.S. Census Bureau and as projected into the future by SEMCOG together form an appropriate baseline for estimating the existing and future solid waste stream generated within the planning area. SEMCOG's projections of both population and employment by place of work are based upon existing and projected land use and development patterns.

**Table I-2: Monroe County Population/Employment** 

	2010	2020	2030	2040	% Change '10-'40
Population	152,021	156,592	160,841	164,720	8.40%
Households	58,230	62,539	66,071	67,823	16.50%
Total Employment	53,761			61,382	14.20%

Source: SEMCOG 2040 Forecast Summary

#### THE SOLID WASTE PLANNING PROCESS

The Designated Planning Agency (DPA) and the Solid Waste Planning Committee (SWPC) completed a comprehensive strategic planning process that outlined strengths, weaknesses, opportunities, and threats that are part of the current and potential future solid waste management system that services the County. This analysis was used to create goals and objectives which are provided immediately after the Executive Summary. These goals and the strategic analysis formed the basis for developing the solid waste management strategy and the selected alternative that is described in this Plan as the Plan's Enforceable Program and Process as provided for in Part 115, Section 11533 (1) of the Michigan Natural Resources and Environmental Protection Act (NREPA).

In developing the Plan's Enforceable Program and Process the DPA and SWPC first screened out strategies that were technically, politically or economically unsuitable for the County. The DPA and SWPC then reviewed solid waste management program strategies that were viewed as technically and economically feasible:

- Resource Recovery Programs
- Recycling Incentives
- Drop-off Residential Recycling
- Curbside Residential Recycling

· Commercial Recycling

Material Transfer and Processing

Composting

Clean Community

These program strategies were considered as potential System Alternatives that varied by level of landfill diversion, capital and operating cost and implementation requirements. These program strategies were examined based on their key features, advantages, disadvantages, overall performance and cost impact and applicability for the county. Much of this analysis is contained in a series of reports and studies prepared for the County during the implementation process for this and the preceding plan.

At this stage in the strategic planning process, some program strategies were determined to be unsuitable for the County based on overall technical and economic feasibility of various approaches and their ability to:

- build on the strengths of the local and regional situation,
- address current deficiencies and weaknesses,
- work with organizational approaches that the County is willing to consider,
- be fundable through systems that the County can implement,
- respond to and build community involvement and support,
- be enforceable, and
- set measurable goals that can be tracked to determine progress.

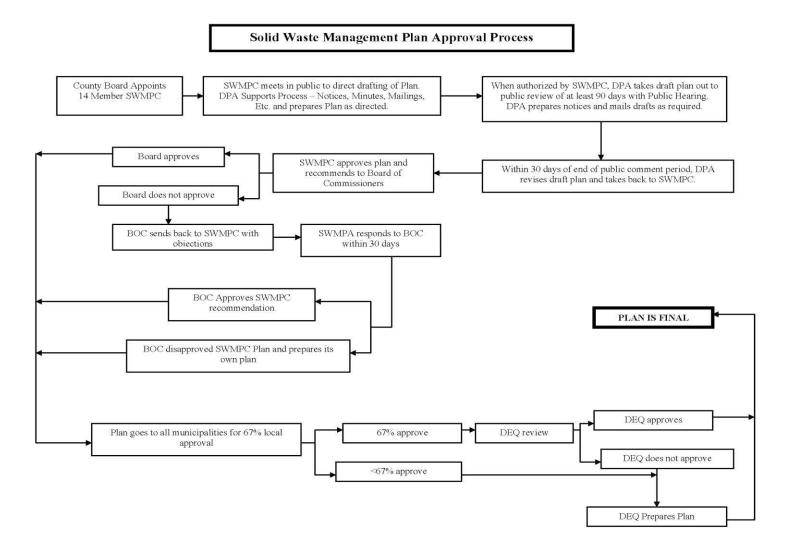
The strategic planning process was carried through to final conclusions regarding the program strategies that would make up the Plan's Selected Alternative and become the foundation for the Plan's

#### Introduction

Enforceable Program as required by statute. The strategic planning process included final evaluation and ranking against the criteria as well as listening to the views of key stakeholders in the planning process, and others considered to be critical to implementation of the plan - primarily local government officials and service providers.

This Selected Alternative is described in the balance of the Plan with further detail provided in Appendix A of the Plan. Appendix B of the Plan contains further detail regarding the System Alternatives that were not selected as part of the Plan's Enforceable Program.

The following table provides an outline of the Plan Approval Process as mandated by the State and maintained by the County Solid Waste Office.



#### THE PLAN'S SELECTED ALTERNATIVE

The following is a more detailed description of the specific program elements that are part of the Selected Alternative and the Plan's Enforceable Program. Specific details on who will implement the Plan's Enforceable Program are covered in Part III, the Plan's Authorized Management Program. The timing of the implementation of the Plan's Enforceable Program is then provided in the Plan's Timetable for Implementation that follows. The County's Solid Waste Program will include the following features:

#### **Program Management:**

The County will continue to fund the position of the Solid Waste Coordinator. This person is responsible to the County Board of Commissioners and oversees the implementation of the Solid Waste Management Plan and all related waste management, recycling, composting and clean community activities. Programs will be funded through the Solid Waste Management Ordinances or any other funding mechanisms approved by the County Board of Commissioners.

#### **Resource Recovery Programs:**

Monroe County believes that resource recovery programs must be a continued part of the ongoing solid waste management system. In order to promote and sustain the appropriate waste diversion programs and recovery of materials, the County will continue to pursue partnerships with other agencies, private businesses, and other governments.

The composition of the Monroe County waste stream has been analyzed in earlier planning efforts. Continued review and analysis of the waste stream and comparison of this material to updated national data confirms that little change in waste stream composition has occurred from previous Plan documents. A substantial percentage of the stream is potentially recoverable through yard clipping programs and recovery of recyclable materials.

To better monitor generation and diversion rates, the County would continue to investigate reporting tools for facilities, service providers, and communities to track and record tonnages of waste and recyclables in Monroe County. These tools would include online reporting database to provide easy access to those reporting this information. The data would then be reviewed and assist in determining future program needs and issues.

Technical assistance and education will be offered by the County to municipalities and businesses to establish new programs. Municipalities are encouraged to pursue resource recovery programs to increase the economic effectiveness of these efforts, and consider cooperative approaches along with other municipalities.

#### **Recycling Incentives:**

Proactive education and promotion strategies would encourage responsible solid waste management and strong reduce/reuse/recycle behavior. Through continued monitoring of program performance, the County will determine whether waste reduction and recovery goals are being met, and may evaluate traditional incentive programs such as Pay-As-You-Throw (PAYT) programs and new incentive programs

Introduction

such as Recycle Bank. Pilot programs would be encouraged if feasible to assess effectiveness in applicable areas around the County.

#### **Drop-Off Residential Recycling:**

The existing network of drop-off sites will continue to be developed to improve visibility and user convenience especially for those generators not serviced by curbside recycling programs. Efforts would be directed at increasing the range of materials handled at all drop-offs and standardizing those materials to provide consistent service throughout the County. A permanent drop-off site should continue to be examined as it would also provide consistent services for recyclables in addition to other difficult to dispose of items like tires, household hazardous wastes, and bulky items.

#### **Curbside Residential Recycling:**

Curbside collection of recyclables would be provided in all the more densely populated areas of the County, preferably through municipally arranged contracts in order to provide for the most cost effective service. In other areas, subscription curbside recycling would be available to residents that were willing to make their own arrangements for the service with area haulers. Haulers would be encouraged to provide curbside recycling services at an affordable rate to customers.

#### **Multi-Family Residential Recycling:**

Residents of two- and three-family multi-family housing could be serviced by municipally contracted curbside recycling services where available or by subscription-based curbside services. Four or more unit multi-family housing could be serviced with a recycling depot system at dumpster locations within each multi-family complex by a recycling service provider under contract with facility management. If larger, high-rise multi-family housing is established, residents could be provided with recycling services as part of the trash chute system in each facility.

#### **Commercial Recycling:**

Small businesses would be encouraged to use the drop-off recycling network for smaller volumes of paper and containers or use curbside recycling services if they already use curbside trash collection services. Larger commercial, institutional and industrial generators would arrange with their own service providers to have recycling service provided at a level of accessibility matching that of their solid waste service. The County would provide technical assistance to interested businesses and act as a facilitator to assist commercial businesses to secure services through existing County contracts for recycling services. The County would develop a recognition program to highlight those businesses who take the necessary steps to divert waste through their recycling efforts.

#### **Material Transfer and Processing:**

Ownership and operation of material recycling and transfer facilities will be maintained by the private sector. Arrangements would be made to provide access to such facilities convenient to all areas of the County. The County would provide tools for regular reporting of facilities and service providers, to track accurate information about generation and diversion rates. The County would also use its designation

Introduction

as a Certified Health Department to inspect and monitor waste and recycling activities occurring within the County and ensure compliance to County Ordinances and the Plan.

#### **Composting**

Yard waste collection would be provided in all the more densely populated areas of the County, preferably through municipally arranged contracts in order to provide for the most cost effective service. Education about alternatives to burning of yard waste would be promoted throughout the County including backyard composting and curbside collection of yard waste materials for residents who individually subscribe for services.

#### **Clean Community**

The County would continue to provide access to programs to conserve natural resources, promote resource recovery and divert difficult to dispose of items such as tires, household hazardous waste, electronics and medications to reduce illegal dumping and protect the public health of the County.

#### **AUTHORIZED MANAGEMENT COMPONENT**

The Selected Alternative as described above is established by this Plan as the Plan's Enforceable Program defining the Monroe County Solid Waste Management Systems. The "Management Component" defines details of who will take responsibility for implementation and how that will be accomplished. The Authorized Management Component builds on the County's current organization and management structure. Components of the Management System will include:

- Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance which includes:
  - Fees for funding, facility types covered by the Ordinance and use of funds
- Additional Ordinances and mechanisms enacted by the County Board of Commissioners as a means of implementing and enforcing this Plan
- Certified Health Department designation

The Plan's Enforceable Program includes an implementation timeline for the Plan's Authorized Management Component and Selected Alternative. The following table summarizes key milestones for implementing the Plan's Enforceable Program.

Management Components	Timeline
1) Recycle NOW Recycling Program	Current/Ongoing
2) Phone Book Collection Recycling Program	Current/Ongoing
3) Voluntary Curbside Collection Recycling Program	Current/Ongoing
4) Stevens Disposal Recycling Program	Current/Ongoing
5) City of Monroe Composting & Recycling Program	Current/Ongoing
6) City of Milan Composting Program	Current/Ongoing
7) Frenchtown Twp. Composting & Recycling Program	Current/Ongoing
8) Village of S. Rockwood Composting Program	Current/Ongoing
9) Village of Carleton Composting Program	Current/Ongoing
10) Regulated Resource Recovery Composting Program	Current/Ongoing
11) Christmas Tree Collection Composting Program	Current/Ongoing
12) City of Luna Pier Composting Program	Current/Ongoing
13) Household Battery Collection Program	Current/Ongoing
14) Household Hazardous Waste Collection Program	Current/Ongoing
15) Clean Sweep Collection Program	Current/Ongoing
16) Educational and Informational Programs	Current/Ongoing
17) Commercial and Schools Recycling Assistance	Current/Ongoing
18) Clean Community Program	Current/Ongoing
19) Solid Waste Hauler Licensing	Current/Ongoing
20) Solid Waste Facility Reporting	Current/Ongoing
21) Expanded Drop Off Capacity	Future

#### I-2 INTRODUCTION

To comply with Part 115 and its requirements, the Monroe County Solid Waste Plan establishes an Enforceable Program and Process that is directed toward goals and objectives based on the purposes stated in Part 115, Section 11538.(1)(a), 11541.(4) and the State Solid Waste Policy adopted pursuant to this Section, and Administrative Rules 711 (b)(i) and (ii). At a minimum, the goals must reflect two major purposes of Solid Waste Management Plans:

- 1) To utilize to the maximum extent possible the resource available in Michigan's solid waste stream through source reduction, source separation and other means of resource recovery and;
- 2) To prevent adverse effects on the public health and environment resulting from improper solid waste collection, transportation, processing, or disposal, so as to protect the quality of the air, the land, and ground and surface waters.

#### **GOALS AND OBJECTIVES**

To achieve these goals, the Plan will focus upon the following objectives:

- \* Enforce all pertinent laws and regulations.
- \* Minimize future amounts of solid wastes generated within Monroe County.
- \* Ensure that all Monroe County solid waste generators have access to a full range of solid waste handling, processing, and disposal services.
- \* Ensure that solid wastes, recyclables, and yard wastes are handled, processed and disposed at properly licensed and operated facilities and maintain high standards for those solid waste and recycling facilities operating in Monroe County.
- \* Encourage all solid waste haulers and disposal facilities operating within Monroe County to offer recycling and/or composting services to Monroe County residents and businesses.
- \* Encourage local municipal entities to establish ordinances that ban open burning as a means of waste disposal.
- \* Encourage municipalities with a population of 20,000 residents, or more, to provide residents with municipally contracted refuse services.
- \* Maintain and promote the position of the Solid Waste Coordinator. This person is responsible to the County Board of Commissioners and oversees the implementation of the Plan and all related waste management, recycling, composting, resource conservation and clean community activities. This position shall be adequately staffed and shall be provided with proper financial support.
- \* Develop and illustrate methods to finance resource recovery by Monroe County and/or private industry.

#### Introduction

- \* Encourage local institutional, governmental and commercial establishments to adopt green management practices.
- \* Develop and implement a mechanism to obtain needed data on waste generation, collection and disposal.
- \* Approve and locate new solid waste handling, processing, and disposal facilities only as may be required to meet local needs while carefully respecting the blending with the surrounding land uses.

#### II-1 DATABASE

This section identifies sources of waste generation within the county, total quantity of solid waste generated to be disposed, and sources of the information.

The amount of Type II waste generated in Monroe County was calculated based on data landfills report to the State of Michigan. The waste generation projections use this baseline figure with adjustments based on the projected number of households from SEMCOG's 2040 Forecast Summary, assuming a constant rate of waste generation. The total amount of waste was subdivided into projections for Residential and Commercial/Industrial waste using a generation rate of 2,376 lb/household/year for Residential waste, an average for communities in Southeast Michigan based on studies by Resource Recycling Systems. The remaining waste was designated as Commercial/Industrial waste.

The results, as presented in Figure II-1, show that in 2010, it is estimated that Monroe County will generate a total of 507.2 tons per day (TPD) of Type II waste. It is further estimated that the Type II waste stream will increase from 507.2TPD in 2010 to 579.3 TPD in 2040, an increase of 12.4%.

Figure II-1
SOLID WASTE STREAM ASSESSMENT

<u>Year</u>	2010	2020	<u>2040</u>
Population*	152,021	156,592	164,720
Pounds/Person/Day	2.5	2.6	2.6
Total Residential (T/Day)	190.0	203.6	214.1
Commercial, Industrial, and			
Service Employees*	53,761	56,937	61,382
Pounds/Employees/Day	11.8	11.6	11.9
Total Commercial (T/Day)	317.2	329.1	365.2
Total Type II Waste (T/Day)	507.2	535.1	579.3
Total Type II Waste (T/Yr.)	185,128	195,328	211,444

<sup>\*</sup>Source: SEMCOG 2040 Forecast Summary

# **RESIDENTIAL WASTE STREAM**

A generation rate of 2,376 lb/household/year for Residential waste was assumed. This is an average for communities in Southeast Michigan based on studies by Resource Recycling Systems.

Table II-1 Residential Waste Generation by Municipality (tons per year)

Municipality	2010	Residential
	Population	Waste
		Generation
		(Tons/Year)
Ash Township	5,438	2,435.4
Bedford Township	31,085	14,119.4
Berlin Charter Township	7,206	3,059.1
Carleton	2,345	1,132.2
Dundee	3,957	1,828.3
Dundee Township	2,802	1,218.9
Erie Township	4,517	2,115.8
Estral Beach	418	217.4
Exeter Township	3,406	1,451.7
Frenchtown Charter Township	20,428	9,454.1
Ida Township	4,964	2,080.2
LaSalle Township	4,894	2,176.4
London Township	3,048	1,309.2
City of Luna Pier	1,436	722.3
Village of Maybee	562	243.5
City of Milan	2,066	959.9
Milan Township	1,601	728.2
City of Monroe	20,733	9,786.7
Monroe Charter Township	14,568	6,794.2
City of Petersburg	1,146	533.4
Raisinville Township	5,816	2,487.7
Village of South Rockwood	1,675	816.2
Summerfield Township	3,308	1,419.7
Whiteford Township	4,602	2,087.3

Source: SEMCOG 2040 Forecast Summary

#### **COMMERCIAL/INDUSTRIAL WASTE GENERATION**

Commercial waste generation was determined by subtracting residential waste from the total waste generation figures. Total commercial waste generation is divided into industry subtotals according to the number of employees in each category and that industry's typical share of commercial waste generation. These industry-specific figures were generated by data drawn from actual waste assessments and surveys of commercial and industrial establishments in Michigan and Monroe County, as well as similar figures developed by the California Integrated Waste Management Board. Employment numbers were obtained for the year 2010 from the SEMCOG 2035 Regional Development Forecast. The resulting waste generation calculations are presented below for commercial and industrial North American Industry Classification System (NAICS) codes.

Table II-2 Commercial Waste Generation

NAICS	NAICS Description	## of employees (2010)	lbs/ empl/ day <sup>1</sup>	Tons/ year (2010)
11-21	Natural Resources & Mining	273	9.7	345
42	Wholesale Trade	1222	9.7	1,542
44-45	Retail Trade	7402	15.3	19,766
22, 48-49	Transportation & Warehousing, Utilities	2317	10.8	3,263
51	Information	564	9.7	712
52	Financial Activities	3952	9.7	4,987
54-55	Professional, Scientific & Technical Services	2460	9.7	3,105
56	Administrative Support & Waste Services	3423	9.7	4,320
61	Education Services	5241	8.6	5,847
62	Health Care & Social Assistance	6210	16.2	13,062
71-72	Leisure & Hospitality	5895	22.8	17,467
81	Other Services	3520	9.7	4,442
92	Public Administration	1667	4.4	945
	TOTAL	44,146	13.1	79,803

Source: SEMCOG Regional Development Forecast 2035

Table II-3 Industrial Waste Generation

NAICS	NAICS Description	## of employees (2010)	lbs/ empl/ day <sup>1</sup>	Tons/ year (2010)
31-33	Manufacturing	8,160	33.5	35,520

<sup>&</sup>lt;sup>1</sup> Assumes 260 days of operation per year except for Retail Trade category at 350 days/yr; source of data are studies conducted by Resource Recycling Systems Inc. and the California Integrated Waste Management Board.

<sup>&</sup>lt;sup>1</sup> Assumes 260 days of operation per year except for Retail Trade category at 350 days/yr; source of data are studies conducted by Resource Recycling Systems Inc. and the California Integrated Waste Management Board.

#### **SPECIAL WASTE STREAMS**

Monroe County and the State of Michigan have an established reporting mechanism that identifies Special Waste Streams. Below is a future generation benchmark, adjusted on a daily basis to reflect typical generation for each of the two waste streams identified below.

Table II-4 Industrial Special Wastes/Construction and Demolition Debris

Description	Multiplier	Tons (2010)
Industrial Special Waste	9.83 lbs per manuf. employee per day	10,428
Construction & Demolition Debris	0.7 lbs per capita per day	19,421

#### **TOTAL WASTE GENERATION**

Act 451 non-hazardous wastes are comprised of three principal components - municipal solid wastes (MSW), construction and demolition debris (CDD) and industrial special wastes (ISW). The MSW component is comprised of solid wastes generated by the single family residential, multi-family residential, commercial and industrial land uses. This primary component (approximately 86% of Monroe County's total solid waste stream) must be disposed in Type II landfill facilities. The industrial component of MSW (generally comprised of industrial housekeeping wastes such as packaging, cafeteria and washroom wastes, and office wastes) is exclusive of industrial special wastes (ISW), such as foundry sands. ISW is comprised of those wastes of such a character that they do not have to be disposed of in Type II landfills but may be disposed of in lesser standard Type III facilities because of their relatively benign nature. Construction and demolition debris (CDD) may also be disposed of in Type III landfill facilities.

Waste generation is shown in Tables II-5 and II-6 below. Waste generation was projected into the future based on projected population growth patterns. Table II-5 shows projections in tons per year; while Table II-6 shows projections in gate yards per year.

Table II-5 Total Waste Generated (Tons per year)

Sector	2010 Tons	2015 Tons	2020 Tons
	Generated	Generated	Generated
Residential	72,201	73,181	75,205
Commercial/Industrial MSW	115,324	116,889	120,123
MSW Sub-total	187,524	190,070	195,328
Construction/Demolition	19,963	23,956	24,281
Industrial Special Waste	10,428	9,997	9,702
Total Annual Tons	217,915	224,023	229,311

Table II-6: Total Waste Generated (Gate yards per year)

Sector	2010 Gate Yards	2015 Gate Yards	2020 Gate Yards
	Generated	Generated	Generated
Residential	216,602	219,542	225,615
Commercial/Industrial MSW	345,971	350,667	360,368
MSW Sub-total	562,573	570,210	585,983
Construction/Demolition	39,925	47,912	48,563
Industrial Special Waste	11,888	11,397	11,060
Total Annual Tons	614,386	629,519	645,606

<sup>\*</sup> Cubic yards were converted from tons using several conversion factors; 3 gate yards per ton for the municipal waste stream; 2 gate yards per ton for CDD and 1.14 gate yard per ton for ISW

#### **TOTAL WASTE DISPOSAL**

Table II-7: Total Disposal (tons per year)

Sector	2010 Tons	2015 Tons	2020 Tons
	Disposed	Disposed	Disposed
Total Annual Tons - MSW	46,515	47,146	48,450

Table II-8: Total Disposal (gate yards per year)

Sector	2010 CY Disposed	2015 CY Disposed	2020 CY Disposed
Total Annual Cubic Yards	139,545	141,438	145,351

Table II-9: Total Disposal (landfill backyards per year)

Sector	2010 CY Disposed	2015 CY Disposed	2020 CY Disposed
Total Annual Cubic Yards	69,773	70,719	72,675

# II-2 SOLID WASTE DISPOSAL AREAS

The following includes an inventory and descriptions of all solid waste disposal areas within the County or to be utilized by the County to meet its disposal needs for the planning period.

Monroe County's solid waste is currently handled, processed and disposed at a number of Act 451 designated facilities as described below. No current flow control arrangements wherein wastes or source separated materials are required to be delivered to specific facilities exist other than those contained within voluntary contractual arrangements by municipalities.

#### **Transfer Stations:**

- Action Disposal-Type B
- Kevin Butzin Recycling-Type B
- Republic Services of Toledo Erie Transfer Station, Type A
- Stevens Disposal & Recycling Services, Inc-Type A

#### Waste Processing Plants:

- Stevens Disposal & Recycling Services, Inc.
- Republic Services of Toledo Erie Transfer Station
- Vienna Junction

#### Type II Landfills (Monroe County):

Vienna Junction

#### Type II Landfills (Non-Monroe County):

- Adrian Landfill, Inc
- Arbor Hills Landfill
- Carleton Farms Landfill
- Sauk Trail Hills Landfill
- Woodland Meadows Landfill
- Riverview Landfill

#### Type III Landfills (Monroe County):

- Allied Waste Services Rockwood Landfill
- Consumers Energy J.R. Whiting Fly Ash
   Fill
- DTE Energy Monroe Power Plant Ash Basin
- Holcim
- Matlin Road Landfill

#### Incinerators and Waste-to-Energy (WTE) Plants:

None

#### **INTER-COUNTY FLOWS OF ACT 451 WASTES:**

Michigan's Act 451 provides that wastes may be disposed of at Act 451 facilities in other counties if the export and import of the wastes are explicitly authorized in the approved solid waste management plans of the counties involved. Monroe County currently authorizes the export of wastes to all Michigan counties and to other states and countries. Imports into Monroe County are also authorized from a select list of generally contiguous counties. Additionally, the Monroe County Board of Commissioners has, since adoption of the 1994 plan amendments which established the inter-county flow authorizations, adopted a broader free market, no inter-county flow restriction stance which points the way for a release of current import restrictions.

Other disposal area facilities such as transfer stations or processing plants are also utilized. No attempt is made herein to specifically identify those located in contiguous counties.

Descriptions of facilities located within Monroe County or to be utilized by the County follow.

# II-3 SOLID WASTE FACILITY DESCRIPTIONS

The following pages are an inventory and description of all solid waste disposal areas within the County or to be utilized by the County to meet its disposal needs for the planning period.

Return to Amendment Letter

# DATA BASE

# DATABASE

<b>Facility Descriptions</b>
------------------------------

Facility Type: Type II							
Facility Name: Arbor Hills Landfill							
County: Monroe Location: Town: 2	1S Rang	ge: 7E Section(s): 13					
Map identifying location included in At	lap identifying location included in Attachment Section: Yes No						
If facility is an Incinerator or a Transfer or Transfer Station wastes:	Station, list th	e final disposal site and location for Incinerator ash					
Public Private	Public Private Owner: Veolia ES Arbor Hills Landfill, Inc.						
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending	Wast	residential commercial industrial construction & demolition contaminated soils special wastes * other:					
* Explanation of special wastes, including a specific list and/or conditions:  Non-hazardous solid and semi-solid wastes, no hazardous or liquid wastes.							
Site Size:							
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	936 356 225 166 59	acres acres acres acres acres					
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume:	17,104,550 10.9 265 3,500,000	<ul> <li>☐ tons or ⋈ yds³</li> <li>years</li> <li>days</li> <li>☐ tons or ⋈ yds³</li> </ul>					
(if applicable) Annual energy production:							
Landfill gas recovery projects: Waste-to-energy incinerators:	_	awatts awatts					

Facility Type: Type II		
Facility Name: Carleton Farms Landfill	l	
County: Wayne Location: Town:	4S Range	: 8E Section(s): 36
Map identifying location included in At	tachment Sectio	n: 🗌 Yes 🔀 No
If facility is an Incinerator or a Transfer or Transfer Station wastes:	Station, list the	final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Repub	lic Services, Inc.
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending	Waste	Types Received (check all that apply) residential commercial industrial construction & demolition contaminated soils special wastes * other: yard waste @ compost site
* Explanation of special wastes, includi	ng a specific list	and/or conditions:
Asbestos, sludges		
Site Size:		
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	664.08 664.08 403.27 216.82 186.45	acres acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume: (if applicable)	52,693,996 23 312 5,000,000	<ul> <li>tons or</li></ul>
Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators:	11 megav	

Facility Typ	e: Type II		
Facility Nar	me: Vienna Junction Landfi	II	
County: Mo	onroe Location: Town:	9S, 8S R	Range: 8E Section(s): 5, 6, 31 & 32
Map identi	fying location included in At	tachment S	Section: Xes No
•		Station, lis	st the final disposal site and location for Incinerator ash
or Transfer	Station wastes:		
Public		Owner: A	Allied Waste Systems of Michigan, LLC
	Status (check)	٧	Waste Types Received (check all that apply)
⊠ ot	oen		residential
clo	osed		ommercial commercial
☐ cle ☐ lic ☐ ur ☐ cc ☐ op	censed		industrial industrial
ur ur	nlicensed		construction & demolition
⊠ cc	onstruction permit		contaminated soils
Or	oen, but closure pending		special wastes *
			other:
	•	_	fic list and/or conditions: Non hazardous Special Waste
is accepted	l after the completion of a w	aste chara	cterization profile and necessary analytical testing. An
approval n	umber is issued for waste th	at passes (	CFR 40 standards.
<u>Site Size:</u>			
Total area	of facility property:	226	acres
Total area	sited for use:	155	acres
Total area	permitted:	145	acres
Ор	erating:	65	acres
No	t excavated:	0	acres
Current cap	pacity:	10,000,00	00
Estimated	lifetime:	15-18	years
Estimated	days open per year:	280	days
Estimated	yearly disposal volume:	500,000 1	to 600,000 $\square$ tons or $\boxtimes$ yds <sup>3</sup>
(if applicab	le)		
Annual ene	ergy production:		
Lar	ndfill gas recovery projects:	confident	tial megawatts
Wa	aste-to-energy incinerators:	NA	megawatts

Facility Type: Waste Proces	ssing Plant	
Facility Name: Vienna Junction Land	fill	
County: Monroe Location: Town	: 9S, 8S Ran	ge: 8E Section(s): 5, 6, 31 & 32
Map identifying location included in A	Attachment Sec	tion: 🛛 Yes 🔲 No
If facility is an Incinerator or a Transfe or Transfer Station wastes:	er Station, list t	ne final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Alli	ed Waste Systems of Michigan, LLC
		commercial industrial construction & demolition contaminated soils special wastes * other: ist and/or conditions: Non hazardous Special Waste
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	226 155 145 65	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume:	10,000,000 15-18 280 500,000 to	☐ tons or ☒ yds³ years days 500,000 ☐ tons or ☒ yds³
(if applicable) Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators	-	megawatts megawatts

# **Facility Descriptions**

Facility Type: Type A Transfer Station & Proce	essing Pla	ant	
Facility Name: Republic Services of Toledo – Er	rie Trans	fer Stati	on
County: Monroe Location: Town: 8S	Range:	8E	Section(s):3 1
Map identifying location included in Attachmen	t Sectior	n: 🔀 Y	es No
If facility is an Incinerator or a Transfer Station, or Transfer Station wastes: various locations co  Public Private Owner:	onsistent	with es	
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending  * Explanation of special wastes, including a spec		residen comme industri constru contam special other:	rcial ial ction & demolition inated soils wastes * scrap metals, cardboard recycling
Site Size:			
Total area of facility property:	60		acres
Total area sited for use:	5		acres
Total area permitted:			acres
Operating:			acres
Not excavated:			acres
Current capacity:			$\boxtimes$ tons or $\square$ yds <sup>3</sup>
Estimated lifetime:			years
Estimated days open per year:	280		days
Estimated yearly disposal volume:	420,000	)	$\boxtimes$ tons or $\square$ yds <sup>3</sup>
(if applicable)			
Annual energy production:			
Landfill gas recovery projects:		megaw	atts
Waste-to-energy incinerators:		megaw	atts
FACILITY DESCRIPTIONS			
Facility Type: Type II			
Facility Name: Woodland Meadows Recycling	& Dispos	sal Facili	ty – Van Buren Twp.

**DATA BASE** County: Wayne Location: Town: 3S Range: 8E Section(s): 1 Map identifying location included in Attachment Section: Yes ⊠ No If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Public Private Owner: Waste Management of Michigan, Inc. Operating Status (check) Waste Types Received (check all that apply)  $\boxtimes$ open residential closed commercial licensed industrial unlicensed construction & demolition construction permit contaminated soils open, but closure pending special wastes \* other: \* Explanation of special wastes, including a specific list and/or conditions: Sludges, Asbestos Site Size: Total area of facility property: 269 acres Total area sited for use: 269 acres Total area permitted: 206 acres Operating: 148 acres Not excavated: 58 acres  $\square$  tons or  $\boxtimes$  yds<sup>3</sup> Current capacity: 24,700,000 Estimated lifetime: 16.5 years Estimated days open per year: 305 days  $\square$ tons or  $\square$  yds<sup>3</sup> Estimated yearly disposal volume: 1,500,000 (if applicable) Annual energy production: Landfill gas recovery projects: megawatts pending 10.8 Waste-to-energy incinerators: megawatts

Facility Type: Type II		
Facility Name: Adrian Landfill, I	nc.	
County: Lenawee Location: -	Town: 7, 8S Ra	ange: 4E Section(s): 6, 7
Map identifying location include	d in Attachment S	Section: Yes No
If facility is an Incinerator or a Tr or Transfer Station wastes:	ansfer Station, list	t the final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Al	llied Waste, Inc.
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pend		Vaste Types Received (check all that apply)  ☐ residential ☐ commercial ☐ industrial ☐ construction & demolition ☐ contaminated soils ☐ special wastes * ☐ other:
* Explanation of special wastes,	including a specifi	c list and/or conditions:
Asbestos, sludges per operating	policy	
Site Size:		
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	421 287 40 19 20	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volum (if applicable)	2,002,000 19 307 e: 415,560	years  days  tons or ⊠yds³  years  days  tons or ⊠yds³
Annual energy production:		
Landfill gas recovery pro Waste-to-energy inciner	•	negawatts negawatts

Facility Type:	Type II							
Facility Name:	Sauk Trail Hills Landfill							
County: Wayne	Location: Town: 2	2S R	ange:	8E	Section(	(s): 35		
Map identifying	location included in Att	tachment S	Section	n:	es	⊠ No		
If facility is an Ir or Transfer Stat	ncinerator or a Transfer ion wastes:	Station, list	t the f	inal disp	osal site	and location	on for Incinerato	or ash
Public	Nrivate	Owner: Sauk Trail Hills Development, Inc.						
* Explanation of Non hazardous necessary analy	ed ed	[ [ [ ng a specifi ed after the	ic list a	resider comme industr constru contan special other: and/or co	ercial ial uction & c ninated so wastes * onditions of a waste	s: e characte	ı erization profile a	
<u>Site Size:</u>								
Total area of fac	cility property:	200.7		acres				
Total area sited	for use:	160.5		acres				
Total area perm	nitted:	160.5		acres				
Operati	ng:	141.7		acres				
Not exc	avated:	18.8		acres				
Current capacit	y:	11,246,00	00	ton	s or 🔀	yds <sup>3</sup>		
Estimated lifetir	me:	10		years				
Estimated days	open per year:	306		days				
Estimated yearl	y disposal volume:	1,200,000	)	ton	s or 🖂	yds³		
(if applicable) Annual energy p	oroduction:							
	gas recovery projects: to-energy incinerators:	pending	_	awatts awatts				

Facility Type:	Type III Construction ar	nd Demolition				
Facility Name:	Matlin Road Landfill (Ro	egulated Resour	ce Recove	ery, Inc.	.)	
County: Monro	e Location: Town: 5	5N Range:	9E	Section	n(s): 8	
Map identifying	location included in Att	cachment Sectio	n: 🔀 Ye	es	No	
· ·	ncinerator or a Transfer ion wastes: various loca		-			
Public	Private	Owner: Regula	ted Resou	urce Re	covery, Inc.	
open,	ed		resident commer industria construct contami special v other:	tial rcial al ction & inated s	*	
Total area of fac	cility property:	250	acres			
Total area sited		40.4	acres			
Total area perm		40.4		acres		
Operati		20.71		acres		
•	avated:	19.69		acres		
Current capacit Estimated lifetii Estimated days Estimated yearl	me:	1,884,0 17 312 109,00		ton years days	s or ⊠yds³  ☐ tons or ⊠yds³	
(if applicable) Annual energy ¡	oroduction:					
Landfill	gas recovery projects: to-energy incinerators:	megaw megaw				

Facility Type: Type III	
Facility Name: DTE Monroe Power F	Plant Ash Basin
County: Monroe Location: Towr	n: 7S Range: 9E Section(s): 16
Map identifying location included in A	Attachment Section: Xes No
If facility is an Incinerator or a Transfoor Transfoor Transfer Station wastes:	er Station, list the final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Detroit Edison
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending  * Explanation of special wastes, inclu Coal Ash site generated only Site Size:	Waste Types Received (check all that apply)  residential commercial industrial construction & demolition contaminated soils special wastes * other:  ding a specific list and/or conditions:
Total area of facility property: Total area sited for use: Total area permitted:	410 acres 410 acres 410 acres 410 acres 0 acres 7,100,000 ☐ tons or ☑ yds³ 13 years 365 days 400,000-600,000 ☐ tons or ☑ yds³
Landfill gas recovery projects Waste-to-energy incinerators	•

Facility Type:	Type III		
Facility Name: Cor	nsumers Energy – J.R. Whi	ting Plant	
County: Monroe	Location: Town: 8S	Range: 8E	Section(s): 11, 14
Map identifying loc	ation included in Attachm	ent Section:	Yes No
If facility is an Incino or Transfer Station		n, list the final di	sposal site and location for Incinerator ash
Public 🔀	Private Own	er: Consumers E	nergy
	ı	residence common indus const conta speci other	
Coal Ash – site gene	erated only		
Site Size:			
Total area of facility Total area sited for Total area permitte Operating: Not excava	use: d:	191 191 129.11 109.11 20	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days ope Estimated yearly dis		500,000 10 365 30-70,000	<ul> <li>☐ tons or</li></ul>
(if applicable) Annual energy proc	Juction:		
_	recovery projects: nergy incinerators:	megawatts megawatts	

Facility Type:	Type III – Industrial Land	dfill		
Facility Name:	Holcim (US), Inc.			
County: Monro	e Location: Town: 5	SS Range: 6E	Section(s): 36	
Map identifying	g location included in Att	achment Section:	Yes 🔀 No	
If facility is an Ir or Transfer Stat		Station, list the final dis	posal site and location for	Incinerator ash
Public	Private	Owner: Holcim (US), Ir	nc.	
<ul><li>open,</li><li>Explanation o</li><li>Site generated</li></ul>	ed  nsed  uction permit**  but closure pending  f special wastes, includin  Cement Kiln Dust only  the process of constructions	reside comm indust constr contai specia other:	ercial rial ruction & demolition minated soils I wastes *	
<u>Site Size:</u>				
Total area of fa Total area sited Total area perm Operat Not exc	for use: nitted:	80 38 38 35 325	acres acres acres acres acres	
•	me:	1,300,000 20 360 72,000	<ul> <li>☐ tons or ⋈ yds³</li> <li>years</li> <li>days</li> <li>☐ tons or ⋈ yds³</li> </ul>	
(if applicable) Annual energy	production:			
	gas recovery projects: to-energy incinerators:	megawatts megawatts		

Facility Type: Typ	e III		
Facility Name: Star	ndard Environmental Servi	ces, Inc., Rockwo	od Landfill
County: Monroe	Location: Town: 5S	Range: 10E	Section(s): 34(East ½)
Map identifying loca	ation included in Attachme	nt Section:	∕es ⊠ No
If facility is an Incine or Transfer Station v		, list the final dis	posal site and location for Incinerator ash
Public 🔀	Private Owne	r: Allied Waste S	ervices
* Explanation of spe	on permit closure pending ecial wastes, including a sp ustrial waste streams.	resident comm contain	ercial rial uction & demolition ninated soils I wastes *
Total area of facility Total area sited for Total area permitte Operating: Not excavat	use: d:	229.5 209.5 209.5 70.7 77.1	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days ope Estimated yearly dis		16,100,000 16 206 600,000	$\square$ tons or $\boxtimes$ yds <sup>3</sup> years days $\square$ tons or $\boxtimes$ yds <sup>3</sup>
(if applicable) Annual energy prod	luction:		
_	recovery projects: nergy incinerators:	megawatts megawatts	

Facility Type:	Type II Landfill					
Facility Name:	Riverview Land Preserv	/e				
County: Wayne	Location:	Town:		Range:	Section(s):	
Map identifying	g location included in At	tachmen	t Section	: 🛚 Ye	s No	
If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:						
Nublic Public	Private	Owner:	: City of R	iverview	1	
open,	ed	ng a spec		resident commer industria construction contami special vother:	cial al ction & demolition nated soils vastes *	·piy)
	cility property		494		nores.	
Total area of fa Total area sited			212		acres	
Total area sited Total area perm			404		acres acres	
Operati			212		acres	
•	cavated:		0		acres	
	•		15,000,0 17 300 877,000	,	tons or ∑ yds³ years days ∑ tons or ☐ yds³	
Annual energy	production:					
	gas recovery projects: to-energy incinerators:	52, 560 0		megawa megawa		

#### **DATA BASE Facility Descriptions** Facility Type: Type B Transfer Facility\* Facility Name: Action Disposal County: Monroe Location: Town: 8S Section(s): 17 Range: 7E Map identifying location included in Attachment Section: Yes $\bowtie$ No If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: various locations consistent with established import/export authorizations. Public Private Owner: Carl Stevens, Jr Operating Status (check) Waste Types Received (check all that apply) open residential closed commercial licensed industrial unlicensed construction & demolition construction permit contaminated soils open, but closure pending special wastes \* other: \* Explanation of special wastes, including a specific list and/or conditions: Site Size: Total area of facility property: 12.43 acres Total area sited for use: 1.5 acres Total area permitted: acres Operating: acres Not excavated: acres

 $\Box$  tons or  $\Box$  yds<sup>3</sup> Current capacity:

Estimated lifetime: years Estimated days open per year: 255 days

 $\square$  tons or  $\boxtimes$  yds<sup>3</sup> Estimated yearly disposal volume: 7,800

(if applicable)

Annual energy production:

Landfill gas recovery projects: megawatts Waste-to-energy incinerators: megawatts

<sup>\*</sup>A Type B Solid Waste Transfer Facility is not designed to accept wastes from vehicles with mechanical compaction devices and accepts less than 200 uncompacted cubic yards per day.

# **Facility Descriptions**

Facility Type: Type A Transfer Station	n & Processing Plant	<b>≡</b>		
Facility Name: Republic Services of To	oledo – Erie Transfer Sta			
County: Monroe Location: Town:	8S Range: 8E	Section(s):3 1		
Map identifying location included in At	tachment Section:	Yes No		
·		sposal site and location for Incinerator ash stablished import/export authorizations.	I	
Public Private	Owner: Allied Waste S	Services of Michigan, LLC		
Operating Status (check)  open  closed  licensed  unlicensed  construction permit  open, but closure pending  * Explanation of special wastes, includi	reside comm indust consti contai specia	nercial trial ruction & demolition minated soils al wastes * scrap metals, cardboard recycling		
Site Size:	60			
Total area of facility property:	60	acres		
Total area sited for use:	5	acres		
Total area permitted: Operating:		acres acres		
Not excavated:		acres		
Current capacity:		$\boxtimes$ tons or $\square$ yds <sup>3</sup>		
Estimated lifetime:		years		
Estimated days open per year:	280	days		
Estimated yearly disposal volume:	420,000	$\boxtimes$ tons or $\square$ yds <sup>3</sup>		
(if applicable)				
Annual energy production:				
Landfill gas recovery projects: Waste-to-energy incinerators:	mega mega			

# **Facility Descriptions**

Facility Type:	Type B Transfer Facility*			
Facility Name:	Kevin Butzin Recycling			
County: Monro	e Location: Town: 5S	Range: 7	ZE Section(s): 1	
Map identifying	location included in Attac	hment Section:	: Yes No	
			nal disposal site and location for Incir with established import/export autho	
Public	☑ Private	wner: Kevin Bu	ntzin	
open,	ed nsed uction permit but closure pending f special wastes, including	r   c   c   c   c   c   c   c   c   c	ypes Received (check all that apply) residential commercial industrial construction & demolition contaminated soils special wastes * other: nd/or conditions:	
<u>Site Size:</u> Total area of fac Total area sited Total area perm	for use:	2.16 a 2.16	acres acres acres	
Operati Not exc Current capacit Estimated lifetii Estimated days	avated: y: ne: open per year:	260	acres acres  tons or yds³ years days	
Estimated yeari	y disposal volume:	1,200 * No m	$\square$ tons or $\boxtimes$ yds <sup>3</sup> more than 10 mobile homes per mon	th
(if applicable) Annual energy ¡	production:			
	gas recovery projects: to-energy incinerators:		megawatts megawatts	

<sup>\*</sup>A Type B Solid Waste Transfer Facility is not designed to accept wastes from vehicles with mechanical compaction devices and accepts less than 200 uncompacted cubic yards per day.

Facility Descript	<u>tions</u>			
Facility Type:	acility Type: Type A Transfer Station & Processing Plant			
Facility Name: Stevens Disposal & Recycling Service, Inc.				
County: Monro	e Location: Town:	7S Range:6E	Section(s):2	
Map identifying	g location included in Atta	achment Section:	∑ Yes ☐ No	
			disposal site and location for Incinerator ash hestablished import/export authorizations.	
Public	Private	Owner: Stevens Di	sposal & Recycling Services, Inc.	
	ed	res co co co sp	es Received (check all that apply) sidential mmercial dustrial nstruction & demolition ntaminated soils ecial wastes * her: scrap metals, cardboard recycling	
* Explanation of special wastes, including a specific list and/or conditions:  Transfer limited to materials collected by Stevens Disposal only as per Agreement included in this plan.				
Site Size:				
Total area of fa	cility property:	56	acres	
Total area sited	l for use:	56	acres	
Total area perm	nitted:	56	acres	
Operati	ing:	100x120	feet	
Not exc	cavated:		acres	
Current capacit	y:	72,000/yr	$\square$ tons or $\boxtimes$ yds <sup>3</sup>	
Estimated lifeti	me:	n/a	years	
Estimated days	open per year:	240	days	
Estimated yearl	ly disposal volume:	144,000	/yr $\square$ tons or $\boxtimes$ yds <sup>3</sup>	
(if applicable) Annual energy	production:			
Landfill	gas recovery projects:	me	egawatts	
	to-energy incinerators:		egawatts	

# II-4 SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE

The following describes the solid waste collection services and transportation infrastructure that is utilized within the County to collect and transport solid waste.

#### SOLID WASTE COLLECTION SERVICES

Solid waste collection and disposal services in Monroe County are provided primarily by private sector entrepreneurs through individual agreement with individual waste generators.

Only a few of the County's municipalities choose to manage the provision of solid waste services for at least a portion of the solid waste generators within their jurisdiction. This is generally accomplished by the award of specific contracts for the collection, processing, and disposal of wastes to selected vendors after a receipt of bids.

Beyond the single family residential waste generator, few other solid waste generators are offered services under the guise of the municipal programs. Those not being serviced must make such arrangements on their own. Local government involvement beyond adoption of basic health, safety, and welfare ordinances or beyond the oversight of management of municipal solid waste service contracts is very limited.

#### RECYCLING COLLECTION SERVICES

Recycling collection services are provided primarily by private sector entrepreneurs through individual agreement with individual waste generators.

A county-wide drop-off program is available to generators throughout the County through a partnership with private sector companies, namely Republic Waste and Stevens Disposal & Recycling Services Inc.

#### YARD WASTE COLLECTION SERVICES

Yard waste collection services are provided primarily by private sector entrepreneurs through individual agreement with individual waste generators.

Due to the rural nature of the majority of the County, burning of yard waste is still a common practice. To counteract these activities, the County has coordinated special yard waste drop-off collections in various communities around the County once or twice per year, as funding permitted. These programs' expenses are increasing to the point where the County can no longer fund on a regular basis. Instead, the County is working with communities to encourage other alternatives such as a community-wide contract to secure the most cost effective services and promotion of backyard composting.

# **CONTAINER SERVICES**

A number of companies provide an array of container services including recycling and construction and demolition disposal in addition to traditional solid waste hauling and disposal services.

MUNICIPALITY	TYPE OF COLLECTION	SPECIAL SERVICES/ COLLECTIONS
Ash Township	Subscription	Annual waste collection event
Bedford Township	Subscription	Annual waste collection event
Berlin Charter Township	Subscription	Annual waste collection event
Village of Carleton	Subscription	
Dundee Township	Subscription	
Village of Dundee	Subscription	
Erie Township	Subscription	Annual waste collection event
Village of Estral Beach	Subscription	
Exeter Township	Subscription	Annual waste collection event
Frenchtown Charter Township	Municipal Contract	
lda Township	Subscription	
LaSalle Township	Subscription	Annual waste collection event
London Township	Subscription	
City of Luna Pier	Municipal Contract	Annual waste collection event
Village of Maybee	Subscription	
City of Milan	Municipal Contract	
Milan Township	Subscription	Annual waste collection event
City of Monroe	Municipal Contract	
Monroe Charter Township	Subscription	Annual waste collection event
City of Petersburg	Subscription	
Village of Raisinville	Subscription	Annual waste collection event

Village of South Rockwood	Municipal Contract	
Summerfield Township	Subscription	Annual waste collection event
Whiteford Township	Subscription	

# Table II-11: Waste Collection & Disposal Service Providers are Listed Below

Table ii 221 Maste Concession or	2.0p00a.00.1.00.1.01.ac.0 a.0 2.010a 20.	<b></b>
Allied Waste Industries/	Fairway Refuse	We Haul Refuse
Republic Services	11360 S. Stoney Creek Rd.	2939 Geiger Rd.
6749 Dixie Hwy.	Carleton, MI 48117	lda, MI 48140
Erie, MI 48133	734-587-2119	Jeff Miller
1-734-848-3633		Ph – 734-269-2767
		Fax – 734-269-2879
Countryside Disposal	Action Disposal	Republic Waste
6920 Memorial Hwy.	2510 W. Temperance Rd.	36850 VanBorn Rd.
Ottawa Lake, MI 49267	Temperance, MI 48182	PO Box 68
Amy Stevens	Carl Stevens	Wayne, MI 48184
Ph – 734-854-7695	Ph – (734) 847-7163	734-641-3555
Fax – 734-854-3038	Fax – (734) 847-8314	
Republic Waste Services	Waste Management	Stevens Disposal
1970 Ogden	of MI	& Recycling Services
Adrian, MI 49221	5800 Inkster Rd.	16929 Ida West Rd.
517-266-8589	Romulus, MI 48174	Petersburg, MI 49270

866-729-6476

Midwest Disposal 1032 W. Samaria Rd. Temperance, MI 48182 734-497-5988 Eric Savett, Kyle Savett 734-279-2611

#### **Container Only Solid Waste Haulers**

ABC Refuse Daily Recycling of MI H.A.I

 670 Smith Rd.
 200 Matlin Rd.
 P.O. Box 23321

 Temperance, MI 48182
 Carleton, MI 48117
 Toledo, OH 43623

 Tom Stevens
 Nick Straub
 Ken Gall

 734-847-9625
 734-654-9800
 419-474-4854

 C.S. Burge Inc.
 D-K Enterprises
 Advantage Hauling

 451 E. State Line Rd.
 12505 E. Gypsy Lane
 2716 Vienna Rd.

 Toledo, OH 43612
 Bowling Green, OH 43402
 Erie, MI 48133

 Ph - 419-476-7073
 888-353-8163
 734-848-5122

Email – csburgeinc@aol.com

Metro Waste Services

Calvert's Roll Off Containers

Arrow Waste

29131 Michigan Ave.

78191 Jackson Rd.

4890 Dennison Rd

Inkster, MI 48141

Ann Arbor, MI 48103

Dundee, MI 48131

Ph – 734-728-1263

Ph – 734-426-2280

734-216-1193

Fax - 734-728-8219 Fax - 734-426-2482

APC Dumpsters 11111 Telegraph Rd Carleton, MI 48117 Ph – 734-654-2600

Email – sales@metrowastesvc.com

www.csburgeinc.com

### II-5 EVALUATION OF DEFICIENCIES AND PROBLEMS

The following is a description of problems or deficiencies in the existing solid waste system.

#### **EVALUATION OF EXISTING SOLID WASTE FACILITIES AND SERVICES:**

Municipally managed programs handle about 12 % of the County's waste stream. The majority of these services are provided by private sector firms under contract to the municipalities. Local government officials are generally satisfied with their current levels of municipally offered solid waste services. The remaining waste stream is handled through arrangements by the waste generators directly with the private sector providers. Competition exists among the private sector waste industries, and generators are generally satisfied that good service is delivered or that it can be easily obtained.

The public generally perceives that solid wastes are being collected, handled, processed, and disposed of in an adequate manner. Public comments or questions generally are aimed at services that are not easily or readily available such as yard waste service, additional recycle drop-offs or disposal points for difficult to dispose of materials such as hazardous waste. Complaints about disposal facilities are responded to by the Certified Health Department and generally handled quickly by the facility owners/operators.

However, there are several areas that should be addressed:

- Limited access for multi-family and commercial generators to recycling programs. Recycling at commercial sites is usually restricted to cardboard only. The increase in single-stream recycling collection and processing in the region should allow for easy to collect and store programs for both of these groups.
- 2. Municipalities lack interest and tools to coordinate collection services for residents for better services and lower costs. In many communities, the distance between homes may be prohibitive to a community-wide contract, but growth in the county over recent years could still allow for coordinated services, increasing diversion, and costs could be lowered. The County offers technical assistance to work with interested communities to enhance their services through contracts or partnerships, yet few take advantage.
- 3. Burning of yard waste is still common practice, even in more densely populated areas (under local ordinances). The County has provided alternatives to burning in the past, but cannot sustain the increasing costs of collection and handling of these materials.
- 4. Data collection needs to improve. The County is investigating/pursuing steps to allow for more consistent data reporting from municipalities, service providers, and facilities. Monitoring this information will provide the County with the necessary information to maintain and improve programs.
- 5. Long term funding of the program is contingent on waste based fees from facilities within the County. This creates an inequity for ratepayers and competitors when wastes generated within the County are exported thereby avoiding the fee and creating different pricing structures. Reliance on waste can also create a dependence on the extended life of disposal facilities and a disincentive to desired waste reduction goals. The County must implement and enforce the

Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance (Included in Appendix) to ensure more equitable and sustainable funding mechanisms.

#### **II-6 DEMOGRAPHICS**

The following section presents the current and projected population densities and centers for five and ten year periods, identification of current and projected centers of solid waste generation including industrial solid waste for five and ten year periods as related to the Selected Solid Waste Management System for the next five and ten year periods.

#### **POPULATION**

Monroe County, in 2010, was home to approximately 152,021 residents. Its businesses and industries provided more than 53,761 jobs to people throughout southeastern Michigan. Monroe County's population is approximately 1.5% of the State total while the employment values represent approximately 1.1% of the State's total. The County geographically encompasses some 680 square miles and is governed by 24 local units of government - 4 cities, 5 villages, 12 townships and 3 charter townships. In comparison, Michigan's 83 counties average 21.5 municipalities each.

The County population is expected to grow to 156,592 by the year 2020, and to 164,720 by the year 2030. The number of households in 2010 was 58,230 and is expected to reach 62,539 by 2020.

The following presents the current and projected population densities and centers for five, ten, fifteen and twenty year periods.

**Table II-14 Monroe County Population** 

	2010	2015*	2020*	2025*	2030*
Ash Township	•		•		
Total Population	5,438	5,905	5,975	5,838	5,956
Total Households	2,050	2,218	2,287	2,323	2,349
Persons per Household	2.65	2.66	2.61	2.51	2.54
Bedford Township					
Total Population	31,085	32,383	33,078	33,961	34,800
Total Households	11,885	12,685	13,246	13,885	14,463
Persons per Household	2.62	2.55	2.50	2.45	2.41
Berlin Charter Township					
Total Population	7,206	7,408	7,740	8,227	8,388
Total Households	2,575	2,744	2,809	2,991	3,075
Persons per Household	2.80	2.70	2.76	2.75	2.73
Village of Carleton					
Total Population	2,345	2,432	2,545	2,670	2,713
Total Households	953	987	1,037	1,127	1,112
Persons per Household	2.46	2.46	2.45	2.37	2.44
Village of Dundee					
Total Population	3,957	4,337	4,304	4,295	4,470
Total Households	1,539	1,714	1,746	1,784	1,885
Persons per Household	2.57	2.53	2.47	2.41	2.37
Dundee Township					
Total Population	2,802	3,003	2,924	2,930	2,997
Total Households	1,026	1,121	1,118	1,140	1,166
Persons per Household	2.73	2.68	2.62	2.57	2.57

	2010	2015*	2020*	2025*	2030*
Erie Township					<u>I</u>
Total Population	4,517	4,929	4,765	4,652	4,645
Total Households	1,781	1,961	1,964	1,966	1,966
Persons per Household	2.54	2.51	2.43	2.37	2.36
Estral Beach					
Total Population	418	520	495	484	456
Total Households	183	230	224	224	222
Persons per Household	2.28	2.26	2.21	2.16	2.05
Exeter Township					
Total Population	3,406	3,426	3,323	3,249	3,172
Total Households	1,222	1,249	1,253	1,255	1,254
Persons per Household	2.79	2.74	2.65	2.59	2.53
Frenchtown Charter Township					
Total Population	20,428	21,121	21,319	21,832	22,266
Total Households	7,958	8,343	8,679	8,986	9,293
Persons per Household	2.57	2.53	2.46	2.43	2.40
Ida Township					
Total Population	4,964	5,024	4,763	4,751	4,808
Total Households	1,751	1,813	1,827	1,860	1,899
Persons per Household	2.68	2.77	2.61	2.55	2.53
LaSalle Township					
Total Population	4,894	5,130	5,115	4,943	4,873
Total Households	1,832	1,941	1,956	1,960	1,962
Persons per Household	2.67	2.64	2.62	2.52	2.48

	2010	2015*	2020*	2025*	2030*
London Township	1	1	1	l	L
Total Population	3,048	3,171	3,080	3,130	3,099
Total Households	1,102	1,174	1,184	1,185	1,184
Persons per Household	2.77	2.70	2.60	2.64	2.62
City of Luna Pier					
Total Population	1,436	1,586	1,603	1,590	1,600
Total Households	608	657	684	693	698
Persons per Household	2.36	2.41	2.34	2.29	2.29
Village of Maybee					
Total Population	562	556	562	633	671
Total Households	205	210	214	249	268
Persons per Household	2.74	2.65	2.63	2.54	2.50
City of Milan					
Total Population	2,066	2,183	2,199	2,253	2,295
Total Households	808	869	896	919	942
Persons per Household	2.56	2.51	2.45	2.45	2.44
Milan Township					
Total Population	1,601	1,727	1,688	1,681	1,692
Total Households	613	646	650	648	651
Persons per Household	2.61	2.67	2.60	2.60	2.60
City of Monroe					
Total Population	20,733	19,818	19,899	19,800	19,995
Total Households	8,238	8,051	8,246	8,311	8,509
Persons per Household	2.52	2.46	2.41	2.38	2.35

#### DATA BASE

	2010	2015*	2020*	2025*	2030*
Monroe Charter Township	1	1	1	1	
Total Population	14,568	14,241	14,513	14,893	15,233
Total Households	5,719	5,764	5,973	6,194	6,416
Persons per Household	2.55	2.47	2.43	2.40	2.37
City of Petersburg					
Total Population	1,146	1,088	1,146	1,158	1,202
Total Households	449	446	486	500	520
Persons per Household	2.55	2.44	2.36	2.31	2.31
Raisinville Township					
Total Population	5,816	6,077	5,922	5,855	5,882
Total Households	2,094	2,236	2,240	2,251	2,281
Persons per Household	2.78	2.72	2.64	2.60	2.58
Village of South Rockwood					
Total Population	1,675	1,734	1,741	1,783	1,836
Total Households	687	714	724	756	790
Persons per Household	2.44	2.43	2.40	2.36	2.32
Summerfield Township					
Total Population	3,308	3,215	3,274	3,228	3,247
Total Households	1,195	1,202	1,255	1,258	1,266
Persons per Household	2.77	2.67	2.61	2.57	2.56

DATA BASE

	2010	2015*	2020*	2025*	2030*
Whiteford Township		I.			
Total Population	4,602	4,676	4,639	4,547	4,556
Total Households	1,757	1,840	1,841	1,865	1,885
Persons per Household	2.62	2.54	2.52	2.43	2.42
County Totals					
	2010	2020*	2030*	2040*	
Total Population	152,021	156,592	160,841	164,720	
Total Households	58,230	62,539	66,071	67,823	
Persons per Household	2.61	2.50	2.43	2.43	
Total Employment	53,479	55,635	56,937	57,600	
Natural Resources, Mining & Construction	5,515			5,865	
Manufacturing	5,171			3,738	
Wholesale Trade, Transportation, Warehousing & Utilities	4,853			5,204	
Retail Trade	6,548			6,289	
Knowledge Based Services	8,679			11,315	
Services to Households & Firms	5,253			6,683	
Private Education & Heath Care	6,182			9,544	
Leisure & Hospitality	5,643			6,537	
Government	5,917			6,207	
Total Employment	53,761			61,382	

Source: Source: SEMCOG 2040 Forecast Summary

<sup>\*</sup> Figures in column are projected

#### II-7 LAND DEVELOPMENT

The following describes current and projected land development patterns, as related to the Selected Solid Waste Management System, for the next five and ten year periods. No significant variation from recent and current development is anticipated.

Table II-15: Monroe County Land Use

	Agricultural & Vacant	Outdoor Recreation & Conservation	Water	Institutional, Commercial Industrial	Residential	Transportation, Communication & Utility
Percentage of total	62.90%	15.90%	2.00%	2.40%	14.80%	1.90%
Acres	225,767	57,297	7,338	8,886	53,028	6,991

Source: SEMCOG

#### II-8 SOLID WASTE MANAGEMENT ALTERNATIVES

The Designated Planning Agency (DPA) and the Solid Waste Planning Committee (SWPC) completed a comprehensive strategic planning process that outlined strengths, weaknesses, opportunities, and threats that are part of the current and potential future solid waste management system that services the County. This analysis was used to create goals and objectives which are provided immediately after the Executive Summary. These goals and the strategic analysis formed the basis for developing the solid waste management strategy and the selected alternative that is described in this Plan as the Plan's Enforceable Program as provided for in Part 115, Section 11533 (1) of the Michigan Natural Resources and Environmental Protection Act (NREPA).

#### ALTERNATIVE SOLID WASTE MANAGEMENT SYSTEMS

In developing the Plan's Enforceable Program the DPA and SWPC first screened out strategies that were technically, politically or economically unsuitable for the County. Certain waste management technologies, such as incineration, for example, were determined based on historical experience for the region to not be economically and technically appropriate for further analysis.

The DPA and SWPC then reviewed solid waste management program strategies that were viewed as technically and economically feasible. These program strategies were considered as potential System Alternatives that varied by level of landfill diversion, capital and operating cost and implementation requirements. These program strategies were examined based on their key features, advantages, disadvantages, overall performance and cost impact and applicability for the county. Much of this analysis is contained in a series of reports and studies prepared for the County during the implementation process for the preceding plan.

At this stage in the strategic planning process, some program strategies were determined to be unsuitable for the County based on overall technical and economic feasibility of various approaches and their ability to:

#### **DATA BASE**

- build on the strengths of the local and regional situation,
- address current deficiencies and weaknesses,
- work with organizational approaches that the County is willing to consider,
- be fundable through systems that the County can implement,
- respond to and build community involvement and support,
- be enforceable, and
- set measurable goals that can be tracked to determine progress.

#### THE PLAN'S SELECTED ALTERNATIVE

The strategic planning process was carried through to final conclusions regarding the program strategies that would make up the Plan's Selected Alternative and become the foundation for the Plan's Enforceable Program as required by statute. The strategic planning process included final evaluation and ranking against the criteria as well as listening to the views of key stakeholders in the planning process, and others considered to be critical to implementation of the plan - primarily local government officials and service providers.

The DPA and SWPC concluded that a Regional Waste Management and Material Recovery System was the optimum choice as the Selected Alternative for the Plan's Enforceable Program. This Selected Alternative is described in the balance of the Plan with further detail provided in Appendix A of the Plan. Appendix B of the Plan contains further detail regarding the System Alternatives that were not selected as part of the Plan's Enforceable Program.

#### III-1 THE SELECTED SOLID WASTE MANAGEMENT SYSTEM

The Selected Solid Waste Management System (Selected System) is a comprehensive approach to managing Monroe County's solid waste and recoverable materials. The Selected System addresses the generation, transfer and disposal of the County's solid waste. It aims to reduce the amount of solid waste sent for final disposal by volume reduction techniques and by various resource conservation and resource recovery programs. It also addresses collection processes and transportation needs that provide the most cost effective, efficient service to area residents and businesses through a regional approach to solid waste management. Proposed disposal area locations and capacity to accept solid waste are identified, as well as program management, funding and enforcement roles for local agencies. Detailed information on recycling programs, evaluation, and coordination of the Selected System is included in Appendix A. Following is an overall description of the Selected System:

- \* Minimize future amounts of solid wastes generated within Monroe County.
- \* Ensure that all Monroe County solid waste generators have access to a full range of solid waste handling, processing, and disposal services.
- \* Ensure that solid wastes, recyclables, and yard wastes are handled, processed and disposed at properly licensed and operated facilities.
- \* Maintain high standards for those solid waste and recycling facilities operating in Monroe County with the certified health department conducting routine inspections and enforcement.
- \* The positions of the Solid Waste Coordinator and qualified staff for the certified health department will continue to be funded. This program within the Health Department functions as the County Board of Commissioners Designated Planning Agency (DPA) and oversees the implementation of the Plan and coordinates recycling/clean community/environmental education programs and regulatory activities.
- \* Develop and implement a mechanism to obtain needed data on waste generation, collection and disposal.
- \* Rely on the private sector to provide collection and transportation services, and to own and operate disposal facilities.
- \* Approve and locate new solid waste handling, processing, and disposal facilities only as may be required to meet local needs while carefully respecting the blending with the surrounding land uses.

#### **III-2 IMPORT AUTHORIZATION**

The tables in this section are required by the Michigan DEQ and formally indicate which counties are authorized to bring waste into Monroe County for disposal. Tables are included for currently operating facilities, as well as for any facilities which might be developed in the future.

Monroe County authorizes the import of wastes generated within each of the other 82 Michigan counties to existing and future disposal facilities located in Monroe County, subject to the conditions described in the following section.

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 1-A

Table 1-A: CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

Importing		Facility		Authorized
County	<b>Exporting County</b>	Name (1)	Authorized Quantity/Daily**	Conditions (2)*
			No more than combined total of	
			5,000 cubic yards of any waste per	
			day shall be imported for disposal	
			in Monroe County Type II facilities.	
			No quantity limitations into Type III	
Monroe	Washtenaw		facilities.	Р, С
			No more than combined total of	
			5,000 cubic yards of any waste per	
			day shall be imported for disposal	
			in Monroe County Type II facilities.	
			No quantity limitations into Type III	
Monroe	Wayne		facilities.	Р, С
			No more than combined total of	
			5,000 cubic yards of any waste per	
			day shall be imported for disposal	
			in Monroe County Type II facilities.	
			No quantity limitations into Type III	
Monroe	Lenawee		facilities.	P, C
			Type III wastes only. No quantity	
Monroe	Oakland/Macomb		limitations into Type III facilities	Р
			Type II wastes are authorized for	
			contingency disposal purposes	
			only. No more than combined total	
			of 5,000 cubic yards of any waste	
			per day shall be imported for	
Monroe	Oakland/Macomb		disposal in Monroe County Type II	C only

		facilities.	
Monroe	All other MI Counties	Unlimited Type III waste only	Р, С

- (1) Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.
- (2) Authorization indicated by P = Primary Disposal; C = Contingency Disposal
- "Contingency" disposal is provided only as a result of the loss of primary disposal capacity
- \*Imports for Disposal in Type II facilities is limited to 5,000 cubic yards per day.
- \*\* Quantity limited by the importing county plan

Limitations on the amount of wastes that may be imported into Monroe County from a given county will be equal to the limitations imposed by that county's solid waste management plan upon exports from Monroe County or upon a lower value if specified by the exporting other county. Additional limitations may be imposed by the operators of existing and future Monroe County disposal facilities.

FUTURE IMPORT VOLUME AUTHORIZATION OF SOLID WASTE RESULTING FROM THE SITING OF NEW FACILITIES WILL BE DETERMINED AT THE TIME OF SITING AND THE PLAN WILL BE AMENDED ACCORDINGLY.

#### III-3 EXPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within another County, disposal of solid waste generated by the EXPORTING COUNTY is authorized up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A if authorized for import in the approved Solid Waste Management Plan of the receiving County.

Table 2-A: CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

		Facility Name		<b>Authorized Conditions</b>
<b>Exporting County</b>	Importing County	(1)**	<b>Authorized Quantity/Daily</b>	(2)
		Arbor Hills		
Monroe	Washtenaw	Landfill	Unlimited*	P, C
		Carleton Farms		
		Landfill, Sauk		
		Trail Hills		
		Landfill,		
		Woodland		
		Meadows		
		Landfill,		
		Riverview		
Monroe	Wayne	Landfill	Unlimited*	P, C
Monroe	Lenawee	Adrian Landfill	Unlimited*	P, C
Monroe	Oakland/Macomb		Type III Unlimited***	Р
Monroe	Oakland/Macomb		Type II Unlimited*	С
Monroe	All other Counties		Unlimited *	P, C

<sup>&</sup>lt;sup>1</sup> Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

<sup>\*\*</sup>This Plan lists facilities that are authorized to accept waste generated in Monroe County conditional on a signed Monroe County Solid Waste Disposal Facility Acknowledgement, Consent and Agreement (Agreement) between the facility and the County. Should a landfill or disposal facility not agree to comply with conditions of the Agreement, waste shall not be exported to that landfill or disposal area. Additional facilities located within the counties listed above shall be allowed to accept waste generated from Monroe County if an Agreement is signed between the County and the facility.



<sup>&</sup>lt;sup>2</sup> Authorization indicated by P = Primary Disposal; C = Contingency Disposal; "Contingency" disposal is provided only as a result of the loss of primary disposal capacity

<sup>\*</sup>Total Type II and Type III waste is limited to 5,000 cubic yards per day into Type II facilities by Monroe County and therefore exported waste may be subjected to the same limitations from importing Counties.





\*\*\*Total Type III waste is unlimited when exported for disposal into a Type III facility. Conditional upon a signed Agreement between the accepting solid waste disposal facility and Monroe County.

If a new solid waste disposal area is constructed and operates in the future in another County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS FOR IMPORT in the approved Solid Waste Management Plan of the receiving County.

Monroe County authorizes the export of wastes generated within the County to future disposal facilities located in each of the other 82 Michigan counties and to future disposal facilities located elsewhere if those facilities have an Agreement with Monroe County to accept Monroe County generated waste and comply with the conditions associated as authorized by Monroe County. Upon signature of an Agreement, no limitation is placed upon the amount of wastes that may be exported.

Monroe County waste generators and service providers operating within Monroe County must understand that although this export authorization is broadly given, as Michigan law is currently written, the right to export to facilities located in a given Michigan county is subject to any limitations that may be imposed by the facility's host county's solid waste management plan and then finally subject to additional limitations that may be imposed by the facility operator. Caution must be exercised to ensure that anticipated exports are in fact permissible.

Copies of signed Agreements are located in the Appendix.

#### III- 4 SOLID WASTE DISPOSAL AREAS

The following identifies the names of disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within Monroe County for the next ten years.

#### **DESIGNATED SOLID WASTE DISPOSAL AREAS IN MONROE COUNTY:**

The following pages contain descriptions of the solid waste disposal facilities listed below which will be utilized by the County for the planning period. These facilities are specifically designated in Section III-9, Siting Review Procedures, Subsection -Authorized Disposal Area Types. Additional facilities within the County with applicable permits and licenses may be utilized as they are sited by this Plan, or amended into this Plan, and become available for disposal.

#### **DESIGNATED SOLID WASTE DISPOSAL AREAS NOT IN MONROE COUNTY\*:**

Disposal facilities located outside of the County will be utilized by the County for the planning period as long as they are properly identified, sited consistent with the host County's Plan and have a signed Agreement with Monroe County. If this Plan is amended to identify additional facilities in other counties those facilities may only be used if such import is authorized in the receiving County's Plan. Facilities outside of Michigan may also be used if legally available for such use.

Wastes exported from Monroe County into another Michigan county must meet any conditions or restriction imposed by the importing county.

SELECTED SYSTEM Letter

All existing non-hazardous waste landfill disposal areas in Michigan are designated in this Plan for receipt of Monroe County generated solid waste contingent upon a signed Agreement between the County and the disposal facility. Other disposal area facilities such as transfer stations or processing plants are also utilized contingent upon a signed Agreement. These facilities are identified within MDEQ's annual landfill reports (see <a href="http://www.deq.state.mi.us/wmd/">http://www.deq.state.mi.us/wmd/</a>), or within those Counties' approved solid waste management plans. The name and location of each facility may be viewed within this basic reference material. If this Plan is amended to identify additional facilities outside the County, those facilities may only be used if such import is authorized in the receiving County's Plan. Facilities outside of Michigan may also be used if legally available for such use and authorized by this Plan and the County.

#### **Transfer Stations:**

- Action Disposal-Type B
- Kevin Butzin Recycling-Type B
- Stevens Disposal & Recycling Services, Inc-Type A
- Republic Services of Toledo Erie Transfer Station-Type A



#### Waste Processing Plants:

- Stevens Disposal and Recycling Services, Inc
- Republic Services of Toledo Erie Transfer Station
- Vienna Junction

#### Type II Landfills (Monroe County):

Vienna Junction

#### Type II Landfills (Non-Monroe County)\*:

- Adrian Landfill, Inc
- Arbor Hills Landfill
- Carleton Farms Landfill
- Sauk Trail Hills Landfill
- Woodland Meadows Landfill
- Riverview Land Preserve

#### Type III Landfills:

- Allied Waste Services Rockwood Landfill
- Consumers Energy J.R. Whiting Fly Ash Fill
- DTE Monroe Power Plant Ash Basin
- Holcim
- Matlin Road Landfill

#### Incinerators and Waste-to-Energy (WTE) Plants:

• None

**Facility Descriptions** 

# III- 4 CONTINUED: SOLID WASTE FACILITY DESCRIPTIONS

Facility Type: Type II		
Facility Name: Arbor Hills Landfill		
County: Monroe Location: Town: 1	1S Ran	ge: 7E Section(s): 13
Map identifying location included in Att	tachment Sec	tion: Yes No
If facility is an Incinerator or a Transfer or Transfer Station wastes:	Station, list th	ne final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Veo	lia ES Arbor Hills Landfill, Inc.
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending  * Explanation of special wastes, including Non-hazardous solid and semi-solid was	⊠ ⊠ ⊠ ⊠ mg a specific I	
Total area of facility property:	936	acres
Total area sited for use:	356	acres
Total area permitted:	225	acres
Operating:	166	acres
Not excavated:	59	acres
Current capacity:	17,104,550	tons or $\boxtimes$ yds <sup>3</sup>
Estimated lifetime:	10.9	years
Estimated days open per year:	265	days
Estimated yearly disposal volume:	3,500,000	tons or $\bigotimes$ yds <sup>3</sup>
(if applicable)		
Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators:	_	gawatts
vvaste-to-energy incinerators.	meg	gawatts

Facility Type: Type II		
Facility Name: Carleton Farms Landfill		
County: Wayne Location: Town: 4	4S Rang	e: 8E Section(s): 36
Map identifying location included in Att	tachment Sect	ion: 🗌 Yes 🔀 No
If facility is an Incinerator or a Transfer or Transfer Station wastes:	Station, list the	e final disposal site and location for Incinerator ash
Public Private	Owner: Repu	blic Services, Inc.
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending	Wast	e Types Received (check all that apply) residential commercial industrial construction & demolition contaminated soils special wastes * other: yard waste @ compost site
* Explanation of special wastes, includion Asbestos, sludges  Site Size:	ng a specific lis	t and/or conditions:
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	664.08 664.08 403.27 216.82 186.45	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume: (if applicable)	52,693,996 23 312 5,000,000	<ul> <li>tons or  yds³</li> <li>years</li> <li>days</li> <li>tons or  yds³</li> </ul>
Annual energy production:  Landfill gas recovery projects:  Waste-to-energy incinerators:	_	iwatts iwatts

Facility Type	: Type II		
Facility Nam	e: Vienna Junction Landfi	II	
County: Mor	nroe Location: Town:	9S, 8S Ra	nge: 8E Section(s): 5, 6, 31 & 32
Map identify	ring location included in At	tachment Se	ection: 🛛 Yes 🔲 No
-	n Incinerator or a Transfer Station wastes:	Station, list	the final disposal site and location for Incinerator ash
Public	Private	Owner: Al	lied Waste Systems of Michigan, LLC
unli con ope * Explanatio is accepted a	sed nsed icensed istruction permit en, but closure pending n of special wastes, includi	aste charact	commercial industrial construction & demolition contaminated soils special wastes * other: list and/or conditions: Non hazardous Special Wasterization profile and necessary analytical testing. An
Total area si Total area pe Ope		226 155 145 65	acres acres acres acres acres
	etime: ays open per year: early disposal volume:	10,000,000 15-18 280 500,000 to	years days
	gy production:		
	Ifill gas recovery projects: te-to-energy incinerators:	confidentio	n/ megawatts megawatts

## **FACILITY DESCRIPTIONS**

Facility Type: Waste Pro	ocessing Plant	
Facility Name: Vienna Junction L	andfill	
County: Monroe Location: To	own: 9S, 8S Ran	ge: 8E Section(s): 5, 6, 31 & 32
Map identifying location included	in Attachment Sec	tion: Xes No
If facility is an Incinerator or a Tra or Transfer Station wastes:	nsfer Station, list t	ne final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: Alli	ed Waste Systems of Michigan, LLC
	ng Sincluding a specific I	commercial industrial construction & demolition contaminated soils special wastes * other: ist and/or conditions: Non hazardous Special Wasterization profile and necessary analytical testing. An
<u>Site Size:</u>		
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	226 155 145 65 0	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume (if applicable)	10,000,000 15-18 280 500,000 to 6	☐ tons or ☒ yds³ years days 500,000 ☐ tons or ☒ yds³
Annual energy production:		
Landfill gas recovery proje Waste-to-energy incinera	•	megawatts megawatts

SELECTED SYSTEM Facility Type: Type II Facility Name: Woodland Meadows Recycling & Disposal Facility – Van Buren Twp. Location: Town: 3S County: Wayne Range: 8E Section(s): 1 Map identifying location included in Attachment Section: Yes ⊠ No If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Public □ Private Owner: Waste Management of Michigan, Inc. Operating Status (check) Waste Types Received (check all that apply)  $\boxtimes$ residential open closed commercial licensed industrial unlicensed construction & demolition construction permit contaminated soils open, but closure pending special wastes \* other: \* Explanation of special wastes, including a specific list and/or conditions: Sludges, Asbestos Site Size: Total area of facility property: 269 acres Total area sited for use: 269 acres Total area permitted: 206 acres Operating: 148 acres Not excavated: 58 acres  $\square$  tons or  $\boxtimes$  yds<sup>3</sup> Current capacity: 24,700,000 Estimated lifetime: 16.5 years Estimated days open per year: 305 days  $\square$ tons or  $\square$  yds<sup>3</sup> Estimated yearly disposal volume: 1,500,000 (if applicable) Annual energy production: Landfill gas recovery projects: 10.8 megawatts pending

megawatts

Waste-to-energy incinerators:

Facility Type: Type II		
Facility Name: Adrian Landfill, Inc.		
County: Lenawee Location: Town	: 7, 8S Ra	inge: 4E Section(s): 6, 7
Map identifying location included in A	Attachment Se	ection: 🗌 Yes 🔀 No
If facility is an Incinerator or a Transfe or Transfer Station wastes:	r Station, list	the final disposal site and location for Incinerator ash
☐ Public ☐ Private	Owner: All	lied Waste, Inc.
Operating Status (check)  open  closed  licensed  unlicensed  construction permit  open, but closure pending		aste Types Received (check all that apply)  residential  commercial  industrial  construction & demolition  contaminated soils  special wastes *  other:
* Explanation of special wastes, include	ding a specific	clist and/or conditions:
Asbestos, sludges per operating policy	У	
Site Size:		
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	421 287 40 19 20	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume: (if applicable)	2,002,000 19 307 415,560	☐ tons or ☒ yds³ years days ☐ tons or ☒ yds³
Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators		egawatts egawatts

Facility Type:	Type II							
Facility Name:	Sauk Trail Hills Landfill							
County: Wayne	e Location: Town:	2S Ra	ange: 81	E Se	ection(s	s): 35		
Map identifying location included in Attachment Section: 🔀 Yes 🔲 No								
If facility is an I or Transfer Sta	Incinerator or a Transfer tion wastes:	Station, list	the fin	al dispos	al site a	ınd locatio	n for Incine	rator ash
Public	Private	Owner: Sa	auk Trai	l Hills Dev	velopm	ent, Inc.		
open,  * Explanation of the control	d ed	[ ] [ ] ng a specifi ed after the	row comple	esidentia ommerci ndustrial onstructi ontamina pecial wa other: d/or conde	I al on & de ated so astes * ditions:	character	ization prof	
Total area sited Total area perr Operat	mitted:	200.7 160.5 160.5 141.7 18.8	a a a	cres cres cres cres				
Current capaci	ty:	11,246,00	0 [	tons c	or 🛛 y	ds <sup>3</sup>		
Estimated year	ime: s open per year: rly disposal volume:	10 306 1,200,000	d	ears lays tons c	or ⊠ y	ds³		
(if applicable) Annual energy	production:							
	I gas recovery projects: -to-energy incinerators:	pending	megaw megav					

Facility Type:	Type III Construction ar	nd Demolition	
Facility Name:	Matlin Road Landfill (Re	egulated Resource Re	ecovery, Inc.)
County: Monro	e Location: Town: 5	SN Range: 9E	Section(s): 8
Map identifying	glocation included in Att	achment Section:	∑ Yes  □ No
			disposal site and location for Incinerator ash hestablished import/export authorizations.
Public		Owner: Regulated F	Resource Recovery, Inc.
open,	ed	resi com indo con con spe	
Total area of fac Total area sited Total area perm Operati Not exc	for use: nitted:	250 acre 40.4 acre 40.4 20.71 19.69	
Current capacit Estimated lifetii Estimated days Estimated yearl	me:	1,884,000 17 312 109,000	$\square$ tons or $\boxtimes$ yds <sup>3</sup> years days $\square$ tons or $\boxtimes$ yds <sup>3</sup>
(if applicable) Annual energy ¡	production:		
	gas recovery projects: to-energy incinerators:	megawatts megawatts	

Facility Type: Type III	
Facility Name: DTE Monroe Power Plant	: Ash Basin
County: Monroe Location: Town: 7S	Range: 9E Section(s): 16
Map identifying location included in Atta	chment Section: Xes No
If facility is an Incinerator or a Transfer St or Transfer Station wastes:	ation, list the final disposal site and location for Incinerator ash
☐ Public ☐ Private C	Owner: Detroit Edison
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending  Explanation of special wastes, including	Waste Types Received (check all that apply)  residential commercial industrial construction & demolition contaminated soils special wastes * other: a specific list and/or conditions:
Site Size:	
Total area of facility property: Total area sited for use: Total area permitted:     Operating:     Not excavated:	410 acres 410 acres 410 acres 410 acres 0 acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume:	7,100,000 $\square$ tons or $\square$ yds <sup>3</sup> 13 years 365 days 400,000-600,000 $\square$ tons or $\square$ yds <sup>3</sup>
(if applicable) Annual energy production:	
Landfill gas recovery projects: Waste-to-energy incinerators:	megawatts megawatts

Facility Type: Type III		
Facility Name: Consumers Energy – J.R. \	Whiting Plant	
County: Monroe Location: Town: 8S	Range: 8E	Section(s): 11, 14
Map identifying location included in Attac	hment Section:	Yes No
If facility is an Incinerator or a Transfer Sta or Transfer Station wastes:	ntion, list the final di	isposal site and location for Incinerator ash
☐ Public ☐ Private O	wner: Consumers E	nergy
Operating Status (check)  open closed licensed unlicensed construction permit open, but closure pending	resid comr indus const conta	
* Explanation of special wastes, including	a specific list and/or	conditions.
Coal Ash – site generated only		
<u>Site Size:</u>		
Total area of facility property: Total area sited for use: Total area permitted: Operating: Not excavated:	191 191 129.11 109.11 20	acres acres acres acres acres
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume:	500,000 10 365 30-70,000	<ul> <li>□ tons or ⋈ yds³</li> <li>years</li> <li>days</li> <li>□ tons or ⋈ yds³</li> </ul>
(if applicable) Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators:	megawatts megawatts	

Facility Type:	Type III – Industrial Land	dfill		
Facility Name:	Holcim (US), Inc.			
County: Monro	e Location: Town: 5	S Range: 6E	Section(s): 36	
Map identifying	g location included in Att	achment Section:	Yes 🔀 No	
If facility is an I		Station, list the final dis	posal site and location for In	cinerator ash
Public	Nerivate	Owner: Holcim (US), Ir	nc.	
<ul><li>open,</li><li>* Explanation of Site generated</li></ul>	I ed nsed ruction permit** but closure pending of special wastes, includin Cement Kiln Dust only the process of construction	reside comm indust constr contai specia other:	ercial rial ruction & demolition minated soils I wastes *	·)
Total area of fa Total area sited Total area pern Operat Not exc	l for use: nitted:	80 38 38 35 325	acres acres acres acres acres	
	•	1,300,000 20 360 72,000	<ul> <li>tons or  yds³</li> <li>years</li> <li>days</li> <li>tons or  yds³</li> </ul>	
(if applicable) Annual energy	production:			
	gas recovery projects: to-energy incinerators:	megawatts megawatts		

Facility Type:	Type III			
Facility Name:	Standard Environmenta	al Services, Inc., Rockwo	ood Landfill	
County: Monro	e Location: Town: 5	S Range: 10E	Section(s): 34(East ½)	
Map identifying	g location included in Att	cachment Section:	Yes 🔀 No	
If facility is an II or Transfer Stat		Station, list the final dis	sposal site and location for Incinerator as	h
Public		Owner: Allied Waste S	Services	
<ul><li>open,</li><li>* Explanation o</li><li>Non-hazardous</li></ul>	ed nsed ruction permit but closure pending of special wastes, including industrial waste stream	reside comm indust consti conta specia other ng a specific list and/or	nercial trial ruction & demolition minated soils al wastes * :	
Site Size:				
Total area of fa Total area sited Total area perm Operat Not exc	l for use: nitted:	229.5 209.5 209.5 70.7 77.1	acres acres acres acres acres	
Current capacit Estimated lifeti Estimated days Estimated year	me:	16,100,000 16 206 600,000	<ul> <li>☐ tons or</li></ul>	
(if applicable) Annual energy	production:			
	gas recovery projects: to-energy incinerators:	megawatts megawatts		

Facility Type: Type II Landfill				
Facility Name: Riverview Land Preserv	/e			
County: Wayne Location:	Town:	Range:	Section(s):	
Map identifying location included in At	tachment Sect	tion: 🛚 Yes	S No	
f facility is an Incinerator or a Transfer or Transfer Station wastes:	Station, list th	e final dispo	sal site and location for I	ncinerator ash
∑ Public ☐ Private	Owner: City	of Riverview		
operating Status (check) open closed licensed unlicensed construction permit open, but closure pending * Explanation of special wastes, includi		residenti commerc industria construc contamir special w other:	cial I tion & demolition nated soils vastes *	
Site Size:				
Total area of facility property:	494	ā	icres	
Гotal area sited for use:	212	â	icres	
Гotal area permitted:	404	ā	icres	
Operating:	212	ā	icres	
Not excavated:	0	a	icres	
Current capacity: Estimated lifetime: Estimated days open per year: Estimated yearly disposal volume:	15,00 17 300 877,0	00,000 [ y	tons or yds³ rears days tons or yds³	
if applicable) Annual energy production:				
Landfill gas recovery projects: Waste-to-energy incinerators:	52, 560 0	megawai megawai		

### **Facility Descriptions**

Facility Type:	Type B Transfer Facilit	:y*			
Facility Name:	Action Disposal				
County: Monro	e Location: Town:	8S Range	:: 7E Se	ction(s): 17	
Map identifyinន្	g location included in A	ttachment Section	on: Yes	⊠ No	
•	ncinerator or a Transfe tion wastes: various lo		•		
Public	New Private	Owner: Carl S	itevens, Jr		
open,	ed	Iing a specific list	contamina special was other:	on & demolition ted soils stes *	
<u>Site Size:</u>					
Total area of fa		12.43	acı	res	
Total area sited		1.5	acı	res	
Total area perm			acı	res	
Operat	ing:		acı	res	
Not exc	cavated:		acı		
Current capacit				tons or yds <sup>3</sup>	
Estimated lifeti	me:		•	ars	
Estimated days		255	da		
Estimated year	ly disposal volume:	7,800		] tons or $\bigotimes$ yds <sup>3</sup>	
(if applicable)					
Annual energy	production:				
Landfill	gas recovery projects:		megawatts	5	
Waste-	to-energy incinerators:	:	megawatts	5	
** <b>-</b> 56 !!!	6				

<sup>\*</sup>A Type B Solid Waste Transfer Facility is not designed to accept wastes from vehicles with mechanical compaction devices and accepts less than 200 uncompacted cubic yards per day.

### **Facility Descriptions**

Facility Type: Type A Transfer Station	n & Processing Plant	
Facility Name: Republic Services of To	oledo – Erie Transfer St	ation
County: Monroe Location: Town:	8S Range: 8E	Section(s):3 1
Map identifying location included in At	ttachment Section: $oxedsymbol{oxed}$	] Yes
		isposal site and location for Incinerator as established import/export authorizations
☐ Public ☐ Private	Owner: Allied Waste	Services of Michigan, LLC
Operating Status (check)  open  closed  licensed  unlicensed  construction permit  open, but closure pending  * Explanation of special wastes, including	resid com indu cons cont spec	truction & demolition aminated soils ial wastes * r: scrap metals, cardboard recycling
Site Size:	60	
Total area of facility property:	60	acres
Total area sited for use:	5	acres
Total area permitted: Operating:		acres
Not excavated:		acres acres
Current capacity:		$\boxtimes$ tons or $\square$ yds <sup>3</sup>
Estimated lifetime:		years
Estimated days open per year:	280	days
Estimated yearly disposal volume:	420,000	$\boxtimes$ tons or $\square$ yds <sup>3</sup>
(if applicable)		
Annual energy production:		
Landfill gas recovery projects: Waste-to-energy incinerators:		awatts awatts

### **Facility Descriptions**

Facility Type:	Type B Transfer Facility	<b>/</b> *		
Facility Name:	Kevin Butzin Recycling			
County: Monroe	Location: Town:	5S Range: 71	Section(s): 1	
Map identifying	location included in At	tachment Section:	☐ Yes ⊠ No	
· ·			al disposal site and locat rith established import/e	
Public	⊠ Private	Owner: Gasper R	ecycling	
open, b	d sed uction permit out closure pending special wastes, includi	ri	pes Received (check all tesidential ommercial ndustrial onstruction & demolition ontaminated soils pecial wastes * ther:	
Total area of factorial area sited Total area perm Operation Not excanded Current capacity Estimated lifetin	for use: itted: ng: avated: /: ne:	2.16 2.16 260 1,200	acres acres acres acres acres tons or years days tons or year	
(if applicable) Annual energy p Landfill (	production: gas recovery projects:	n	negawatts	
Waste-t	o-energy incinerators:	n	negawatts	

<sup>\*</sup>A Type B Solid Waste Transfer Facility is not designed to accept wastes from vehicles with mechanical compaction devices and accepts less than 200 uncompacted cubic yards per day.

Facility Type: Type A Transfer & Processing Plant  Facility Name: Stevens Disposal & Recycling Service, Inc.  County: Monroe	Facility Descrip	<u>tions</u>							
County: Monroe Location: Town: 75 Range:6E Section(s):2  Map identifying location included in Attachment Section:	Facility Type:	Type A Transfer & Processing Plant							
Map identifying location included in Attachment Section: Yes No  If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: various locations consistent with established import/export authorizations.  Public Private Owner: Stevens Disposal & Recycling Services, Inc.  Operating Status (check) Waste Types Received (check all that apply)  open	Facility Name:	Stevens Disposal & Rec	cycling Se	ervice, Inc.					
If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: various locations consistent with established import/export authorizations.  Public Private Owner: Stevens Disposal & Recycling Services, Inc.  Operating Status (check) Waste Types Received (check all that apply)  open residential closed commercial licensed industrial unlicensed construction & demolition construction permit contaminated soils open, but closure pending special wastes * other: scrap metals, cardboard recycling  * Explanation of special wastes, including a specific list and/or conditions: Transfer limited to materials collected by Stevens Disposal only as per agreement included in this plan.  Site Size: Total area of facility property: 56 acres Total area sited for use: 56 acres Operating: 100x120 feet Not excavated: acres Operating: 100x120 feet Not excavated: acres Current capacity: 72,000/yr cons or yds³ Estimated difetime: n/a years Estimated days open per year: 240 days Estimated vaerly disposal volume: 144,000/yr cons or yds³ (if applicable) Annual energy production: Landfill gas recovery projects: megawatts	County: Monro	e Location: Town:	<b>7</b> S	Range:6E		Section(	(s):2		
or Transfer Station wastes: various locations consistent with established import/export authorizations.    Public   Private   Owner: Stevens Disposal & Recycling Services, Inc.	Map identifying	g location included in At	tachmen	t Section:	X Y	es	□No		
Operating Status (check)  open  closed  closed  licensed  unlicensed  open, but closure pending  * Explanation of special wastes, including a specific list and/or conditions:  Transfer limited to materials collected by Stevens Disposal only as per agreement included in this plan.  Site Size:  Total area of facility property:  Total area permitted:  Operating:  Not excavated:  Operating:  Not excavated:  Current capacity:  Estimated disposal volume:  I and fill gas recovery projects:  megawatts  residential  commercial  industrial  construction & demolition  contaminated soils  special wastes *  other: scrap metals, cardboard recycling  * Explanation of special wastes, including a specific list and/or conditions:  Transfer limited to materials collected by Stevens Disposal only as per agreement included in this plan.  Site Size:  Total area of facility property:  56	•								
open	Public		Owner:	Stevens [	Disposa	al & Recy	cling Services, Inc.		
Transfer limited to materials collected by Stevens Disposal only as per agreement included in this plan.  Site Size:  Total area of facility property: 56 acres Total area sited for use: 56 acres Total area permitted: 56 acres Operating: 100x120 feet Not excavated: acres  Current capacity: 72,000/yr  tons or yds³ Estimated lifetime: n/a years Estimated days open per year: 240 days Estimated yearly disposal volume: 144,000/yr  tons or yds³ (if applicable) Annual energy production:  Landfill gas recovery projects: megawatts	open closed license unlicen constr	ed <u></u> nsed ruction permit			esiden omme ndustri onstru ontam pecial	tial rcial ial rction & c inated so wastes *	demolition pils		
Total area of facility property:  Total area sited for use:  Total area permitted:  Operating: Not excavated:  Current capacity:  Estimated lifetime:  Estimated days open per year:  Estimated yearly disposal volume:  Landfill gas recovery projects:  Total area of facility property:  56	·	•	•						
Total area sited for use:  Total area permitted:  Operating: Not excavated:  Current capacity:  Estimated lifetime:  Estimated days open per year:  Estimated yearly disposal volume:  Landfill gas recovery projects:  56 acres  100x120 feet acres  72,000/yr  nos or  yds³  240 days  44,000/yr  tons or  yds³  144,000/yr  tons or  yds³  megawatts	Site Size:								
Total area permitted: Operating: Not excavated:  Current capacity:  Estimated lifetime:  Estimated days open per year:  Estimated yearly disposal volume:  Landfill gas recovery projects:  56 acres  100x120 feet acres  72,000/yr  n/a tons or ⋈ yds³  44,000/yr  tons or ⋈ yds³  144,000/yr  tons or ⋈ yds³  megawatts	Total area of fa	cility property:		56		acres			
Operating: Not excavated:  Current capacity:  Estimated lifetime:  India years  Estimated days open per year:  Estimated yearly disposal volume:  Landfill gas recovery projects:  100x120  feet  acres  72,000/yr  n/a  years  240  days  144,000/yr  tons or  yds³  (if applicable)  Annual energy production:  megawatts				56		acres			
Not excavated:  Current capacity:  72,000/yr	Total area perm	nitted:		56		acres			
Current capacity: 72,000/yr ☐ tons or ☐ yds³ Estimated lifetime: n/a years Estimated days open per year: 240 days Estimated yearly disposal volume: 144,000/yr ☐ tons or ☐ yds³  (if applicable) Annual energy production:  Landfill gas recovery projects: megawatts	Operat	ing:		100x120		feet			
Estimated lifetime:  In a years  Estimated days open per year:  Estimated yearly disposal volume:  Itons or years  Itons or ye	Not exc	cavated:				acres			
Estimated days open per year:  Estimated yearly disposal volume:  144,000/yr  tons or yds³  (if applicable)  Annual energy production:  Landfill gas recovery projects: megawatts	Current capacity:			72,000/yr		tons	or 🔀 yds³		
Estimated yearly disposal volume: 144,000/yr  tons or  yds³  (if applicable)  Annual energy production:  Landfill gas recovery projects: megawatts	Estimated lifetime:			n/a		years			
(if applicable) Annual energy production:  Landfill gas recovery projects: megawatts	Estimated days open per year:			240		days			
Annual energy production:  Landfill gas recovery projects: megawatts	Estimated year	ly disposal volume:		144,000/	yr	tons	or 🛛 yds³		
		production:							
	Landfill	gas recovery projects:		r	negaw	atts			
		- , , ,							

#### III-5 SOLID WASTE COLLECTION SERVICES & TRANSPORTATION

The following describes the solid waste collection services and transportation infrastructure which will be utilized within the County to collect and transport solid waste.

Solid waste collection and disposal services in Monroe County are provided primarily by private sector entrepreneurs through individual agreement with individual waste generators.

Only a few of the County's municipalities choose to manage the provision of solid waste services for at least a portion of the solid waste generators within their jurisdiction. This is generally accomplished by the award of very specific contracts for the collection, processing, and disposal of wastes to final selected vendors after a receipt of bids.

Beyond the single family residential waste generator, few other solid waste generators are offered services under the guise of the municipal programs. Those not being offered services must make such arrangements on their own. Local government involvement beyond adoption of basic health, safety, and welfare ordinances or beyond the oversight of management of municipal solid waste service contracts is very limited.

Nothing in this section is intended to prohibit the transport of solid waste generated in Monroe County out of the State of Michigan as provided by federal or state law.

The following is the current status of these services in municipalities in Monroe County.

MUNICIPALITY	TYPE OF COLLECTION	SPECIAL SERVICES/ COLLECTIONS
Ash Township	Subscription	Annual waste collection event
Bedford Township	Subscription	Annual waste collection event
Berlin Charter Township	Subscription	Annual waste collection event
Village of Carleton	Subscription	
Dundee Township	Subscription	
Village of Dundee	Subscription	
Erie Township	Subscription	Annual waste collection event
Village of Estral Beach	Subscription	
Exeter Township	Subscription	Annual waste collection event
Frenchtown Charter Township	Municipal Contract	
Ida Township	Subscription	
LaSalle Township	Subscription	Annual waste collection event
London Township	Subscription	
City of Luna Pier	Municipal Contract	Annual waste collection event
Village of Maybee	Subscription	
City of Milan	Municipal Contract	
Milan Township	Subscription	Annual waste collection event
City of Monroe	Municipal Contract	
Monroe Charter Township	Subscription	Annual waste collection event
City of Petersburg	Subscription	
Village of Raisinville	Subscription	Annual waste collection event
Village of South Rockwood	Municipal Contract	
Summerfield Township	Subscription	Annual waste collection event

	T	
Whiteford Township	Subscription	
p		

#### **SOLID WASTE HAULERS**

There are 11 identified solid waste haulers serving Monroe County as of June 2015.

Allied Waste Industries/	Fairway Refuse	We Haul Refuse
Republic Services	11360 S. Stoney Creek Rd.	2939 Geiger Rd.
6749 Dixie Hwy.	Carleton, MI 48117	Ida, MI 48140
Erie, MI 48133	734-587-2119	Jeff Miller
1-734-848-3633		Ph - 734-269-276

Ph – 734-269-2767 Fax – 734-269-2879

Countryside Disposal Action Disposal Republic Waste
6920 Memorial Hwy. 2510 W. Temperance Rd. 36850 VanBorn Rd.
Ottawa Lake, MI 49267 Temperance, MI 48182 PO Box 68

 Amy Stevens
 Carl Stevens
 Wayne, MI 48184

 Ph – 734-854-7695
 Ph – (734) 847-7163
 734-641-3555

Fax - 734-854-3038 Fax - (734) 847-8314

Republic Waste Services Waste Management Stevens Disposal
1970 Ogden of MI & Recycling Services
Adrian, MI 49221 5800 Inkster Rd. 16929 Ida West Rd.
517-266-8589 Romulus, MI 48174 Petersburg, MI 49270

866-729-6476 734-279-2611

Midwest Disposal 1032 W. Samaria Rd. Temperance, MI 48182 734-497-5988 Eric Savett, Kyle Savett

### **CONTAINER ONLY SOLID WASTE HAULERS**

There are the identified container only solid waste haulers serving Monroe County as of June 2015.

### **Container Only Solid Waste Haulers**

ABC Refuse Daily Recycling of MI H.A.I
670 Smith Rd. 200 Matlin Rd. P.O. Box 23321
Temperance, MI 48182 Carleton, MI 48117 Toledo, OH 43623
Tom Stevens Nick Straub Ken Gall
734-847-9625 734-654-9800 419-474-4854

 C.S. Burge Inc.
 D-K Enterprises
 Advantage Hauling

 451 E. State Line Rd.
 12505 E. Gypsy Lane
 2716 Vienna Rd.

 Toledo, OH 43612
 Bowling Green, OH 43402
 Erie, MI 48133

 Ph - 419-476-7073
 888-353-8163
 734-848-5122

 Fax - 419-476-1525
 www.d-kenterprises.com
 Ron McClain

Email – <u>csburgeinc@aol.com</u>

www.csburgeinc.com

 Metro Waste Services
 Calvert's Roll Off Containers
 Arrow Waste

 29131 Michigan Ave.
 78191 Jackson Rd.
 4890 Dennison Rd

 Inkster, MI 48141
 Ann Arbor, MI 48103
 Dundee, MI 48131

 Ph – 734-728-1263
 Ph – 734-426-2280
 734-216-1193

 Fax – 734-728-8219
 Fax - 734-426-2482

Email – <u>sales@metrowastesvc.com</u>

APC Dumpsters 11111 Telegraph Rd Carleton, MI 48117 Ph – 734-654-2600

### **III-6 RESOURCE CONSERVATION EFFORTS:**

The following describes the selected system's proposed conservation efforts to reduce the amount of solid waste generated throughout the County. The annual amount of solid waste currently or proposed to be diverted from landfills and incinerators are estimated for each effort to be used, if possible. Since conservation efforts are provided voluntarily and change with technologies and public awareness, it is not this Plan update's intention to limit the efforts to only what is listed. Instead citizens, businesses, and industries are encouraged to explore the options available to their lifestyles, practices, and processes which will reduce the amount of materials requiring disposal.

The Resource Conservation Efforts will rely on education and incentives to encourage source reduction, reuse and recycling with the following projected impact in measurable programs and additional impact in source reduction that cannot be measured.

Monroe County supports the basic concepts of resource conservation (reduced resource use per product, increased product life, product reuse and decreased consumption of products which become solid waste); of waste reduction (changes in manufacturing or other processes which generate solid waste so that a reduced amount of waste is created); and of pollution prevention (changes in manufacturing or other processes or changes that may be made directly to the waste stream to produce waste that contains less potential for environmental pollution). Monroe County seeks the benefits that may be achieved from such efforts. This Plan encourages all waste generators to explore means to increase resource conservation, to reduce the amount of waste generated and to minimize the environmental pollutants contained in the final stream.

Successful resource conservation, waste reduction, and pollution prevention efforts are driven by knowledgeable waste generators. A considerable amount of educational, informational, and promotional effort is needed on a regular basis to sustain and increase interest in these concepts. It is believed that the responsibility of providing education lies within the local, state and federal government. Educational efforts must be very broad based and be aimed at every waste generator, state and nation-wide. The state and federal governments should provide educational, informational and promotional materials on these subjects. Educational efforts could not only be directed to commercial and industrial waste generators but towards individual consumers on such items as the purchase of reusable items rather than disposable, selecting products that are manufactured using recycled materials, that are packaged in recyclable containers, or by purchasing goods in the bulk to reduce the amount of packaging waste. The state level material should be widely promoted in every forum and distributed to all educational institutions and local governmental units from where it may additionally be transmitted to the individual generators and consumers. The County will promote resource conservation, waste reduction and pollution prevention through the sponsorship of local events, such as household hazardous waste collection days and by the adoption of county-wide or community-wide regulations. Since resource conservation, waste reduction and pollution prevention efforts are provided voluntarily and will change with technologies and public awareness, and since it is extremely difficult to measure the current success levels being achieved, this plan does not assign a specific volume reduction goal for these items or establish a value on the amount of wastes currently diverted from landfill disposal.

Description	Est. Div	version Ton	s/Yr
	<u>2015</u>	<u>2020</u>	<u>2025</u>
Educational Programs (schools, local government,	*		
residents, commercial)			
County website and Ecoville website	*		
Printed materials (Resource Guide, newsletters, mailings,	*		
etc.)			
Clean Community Programs (HHW, Electronics,	*		
Medications, Clean Sweep, batteries, Mercury, Tires)			
% of waste stream diverted			

<sup>\*</sup>Since these types of efforts are encouraging behavior changes, reasonable estimates regarding diversion would be difficult to determine.

# III-7 WASTE REDUCTION, RECYCLING, & COMPOSTING:

### **VOLUME REDUCTION TECHNIQUES:**

The following describes the techniques utilized and proposed to be used throughout the County which reduces the volume of solid waste requiring disposal. Since volume reduction is practiced voluntarily and because technologies change and equipment may need replacing, it is not this Plan amendment's intention to limit the techniques to only what is listed. Persons within the County are encouraged to utilize the technique that provides the most efficient and practical volume reduction for their needs.

The Plan's Enforceable Program provides for high compaction waste transfer in order to increase the density of loads that are transported to landfills, thus lowering tip fees at those landfills and/or reducing transportation costs. This will reduce the gate yards taken in at these landfills but will not impact bank yards (i.e.: estimated air space conserved in cubic yards) since the final compaction density at landfills is not expected to change. Landfills will use less energy, fuel, etc. to reach those densities, however, which does provide some economic benefit to the landfill owner.

### **RESOURCE RECOVERY PROGRAMS:**

Monroe County believes that resource recovery programs must be a continued part of the ongoing solid waste management system.

- Partnerships with service providers, commercial and industrial sector firms, and area non-profits
  will continue to be forged to provide recovery opportunities to all waste generators for
  materials such as tires, electronic waste, and household recyclables through recycling drop-off
  locations.
- Technical assistance would be offered to local municipalities to work to increase services and lower resident costs for solid waste services.
- The County strives to provide additional opportunities to assist all waste generators in achieving higher waste reduction and diversion levels where possible. Outreach and education provided through the Solid Waste Coordinator include a technical assistance library that provide information to all generators in the County on how to start a business or school recycling program, steps to reduce waste, and manage yard waste through backyard composting, a comprehensive Resource Guide and on-line information among others.
- The County will continue to provide technical assistance to schools, commercial entities and municipalities, and initiate program opportunities in partnership with private sector service providers to increase the availability and effectiveness of recycling options.

**Table III-C: Resource Conservation Effort** 

Description	Est. Diversion Tons/Yr						
	<u>2015</u>	<u>2020</u>	<u>2025</u>				
Residential Yard Waste	3,438	3,475	3,557				
Residential Recycling	3,556	3,595	3,681				
Commercial Yard Waste	638	655	666				
Commercial & Industrial Recycling	15,956	16,413	16,800				
C&D Recycling	998	1,198	1,214				
Industrial Special Waste Recycling	521	500	485				
Monroe County Totals (after deducting process residue)	25,108	25,835	26,404				
% of waste stream diverted	10.3%	10.3%	10.3%				

#### OVERVIEW OF RESOURCE RECOVERY AND RECYCLING PROGRAMS

Table III-C above identifies the anticipated recovery and diversion from on-going County programs. Utilizing the available and emerging technologies for incentives, recycling processing, and continued technical assistance the County can achieve significantly higher recovery rates, which could be documented in the future utilizing the County's increasingly robust reporting and licensing system once implemented. Impediments to recycling or composting programs which exist or which may exist in the future are listed, followed by a discussion regarding reducing or eliminating such impediments.

### **RECYCLING AND COMPOSTING**

The following is a brief analysis of the recycling and composting programs selected for the County in this Plan. Additional information on operation of recycling and composting programs is included in Appendix A. The analysis covers various factors within the County and the impacts of these factors on recycling and composting. Following the written analysis, the tables III-1, III-2 and III-3 list the existing recycling, composting, and source separation of hazardous materials programs that are currently active in the County and which will be continued as part of this Plan. The second group of three tables, III-4, III-5, III-6, list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

The County supports and will work to achieve the recycling, composting, and waste reduction goals identified in the State's Solid Waste Policy. To support this effort, the County established the office of the Solid Waste Coordinator. This person provides assistance to other local units of government, residents, schools, businesses, and industries.

### Recycling

- XX Recycling programs within the County are feasible. Details of existing and planned programs are included on the following pages.
- Recycling programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

The following recycling systems would be developed:

### **Recycling Incentives:**

Proactive education and promotion strategies would encourage responsible solid waste management and strong reduce/reuse/recycle behavior. Through continued monitoring of program performance, the County will determine whether waste reduction and recovery goals are being met, and may evaluate traditional incentive programs. Pilot programs would be encouraged if feasible to assess effectiveness in applicable areas around the County.

## **Drop-Off Residential Recycling:**

The existing network of drop-off sites will continue to be developed to improve visibility and user convenience especially for those generators not serviced by curbside recycling programs. Efforts would be directed at increasing the range of materials handled at all drop-offs and standardizing those materials to provide consistent service throughout the County. A permanent drop-off site would also provide consistent services for recyclables in addition to other difficult to dispose of items like tires, household hazardous wastes, and bulky items if deemed financially feasible for the County.

### **Curbside Residential Recycling:**

Curbside collection of recyclables would be provided in all the more densely populated areas of the County, preferably through municipally arranged contracts in order to provide for the most cost effective service. In other areas, subscription curbside recycling would be available to residents that were willing to make their own arrangements for the service with area haulers. The increased availability of material markets and advanced processing makes curbside collection increasingly effective when advanced at the appropriate scale. Continued willingness of communities to create community wide and even multi-community efforts will increase recycling and reduce costs.

### **Multi-Family Residential Recycling:**

Residents of two- and three-family multi-family housing could be serviced by municipally contracted curbside recycling services where available or by subscription based curbside services. Four or more unit multi-family housing could be serviced with a recycling depot system at dumpster locations within each multi-family complex by a recycling service provider under contract with facility management. If larger, high-rise multi-family housing is established, residents could be provided with recycling services as part of the trash chute system in each facility. The increased availability of material markets and advanced processing makes cart collection increasingly effective when advanced at the appropriate scale. Continued willingness of residential communities to create community wide and even multi-community efforts will increase recycling and reduce costs. Participation will occur voluntarily either through municipal contracts or individual subscription, unless local ordinance mandates otherwise.

### **Commercial Recycling:**

Small businesses would be encouraged to use the drop-off recycling network for smaller volumes of paper and containers or use curbside recycling services if they already use curbside trash collection services. Larger commercial, institutional and industrial generators would arrange with their own service providers to have recycling service provided at a level of accessibility matching that of their solid waste service. The increased availability of material markets and advanced processing makes commercial collection increasingly effective. The County would provide technical assistance to interested businesses and act as a facilitator to assist commercial businesses to secure services through existing County contracts for recycling services. The County will consider developing a recognition program to highlight those businesses who take the necessary steps to divert waste through their recycling efforts.

## **Material Transfer and Processing:**

Ownership and operation of material recycling and transfer facilities will be maintained by the private sector. Arrangements would be made to provide access to such facilities convenient to all areas of the County. The County would provide tools for regular reporting of facilities and service providers, to track accurate information about generation and diversion rates. The County would also use its designation as a Certified Health Department to inspect and monitor waste and recycling activities occurring within the County and ensure compliance to County ordinances and the Plan.

## **Composting Programs within Monroe County – Existing**

- XX Composting programs within the County are feasible. Details of existing and planned programs are included on the following pages.
- Composting programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

### **Residential Yard Waste Composting:**

Yard waste collection would be provided in all the more densely populated areas of the County, preferably through municipally arranged contracts in order to provide for the most cost effective service. Education about alternatives to burning of yard waste would be promoted throughout the County including backyard composting and curbside collection of yard waste materials for residents who individually subscribe for services. The County would continue to facilitate the provision of yard waste collections at several locations throughout the county for all residents to utilize, as funding permits. The private sector will continue to offer for fee drop-off programs.

### **Clean Community**

- XX Programs for source separation of potentially hazardous materials are feasible and details are included on the following pages:
- Separation of potentially hazardous materials from the County's waste stream has been evaluated and it has been determined that it is not feasible to conduct any separation programs because of the following:

### **Clean Community Programs:**

The County would continue to provide access to programs to divert difficult to dispose of items such as tires, electronics, medications and household hazardous waste to reduce illegal dumping and protect the public health of the County including annual household hazardous waste collection days. The centralization of these activities at a drop-off site would greatly increase efficiency, convenience and effectiveness of both recycling and Clean Community efforts and could be examined in the future.

### **TABLE III-1: RECYCLING**

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected⁵	Program Development	Management Operation	Evaluation
1) Recycle NOW	(see next line)	Pub/Pri	d	w/b/m	ABCDEF	1,5	1,5	1,5
Four times pe	er month in M	Ionroe Cha	rter Townsh	ip & Bedford	l Township;	Monthly in Du	ndee & Erie/Lun	a Pier.
2)Voluntary Curbside Collection Programs (Contracted)	Milan, Monroe, Frenchtown Twp., S.Rockwood, Luna Pier	Private	С	w, b	ABCEFD	3,5	5	3,5
Frenchtown 1	Гwp. is collect	ted every of	ther week.					
3) Stevens Disposal	Monroe County	Private	d	b	ABCDEF	5	5	5
☐ Addit	ional program	ns and the a	above inform	nation for th	ose prograr	ns are listed on	an attached pag	ge.

<sup>&</sup>lt;sup>1</sup> Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

<sup>&</sup>lt;sup>3</sup> Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>&</sup>lt;sup>4</sup> Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

<sup>&</sup>lt;sup>5</sup> Identified by the materials collected by listing of the letter located by the 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 \_n/a\_

### **TABLE III-2: COMPOSTING:**

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected <sup>5</sup>	Program Development	Management Operation	Evalu- ation
1) City of Monroe	City of Monroe	<u>Private</u>	<u>C</u>	Sp, Su, Fa	<u>GL</u>	<u>3, 5</u>	<u>5</u>	<u>5,3</u>
2) City of Milan	City of Milan	Pri/Pub	<u>C</u>	Sp, Su, Fa	<u>G,L,W</u>	3, 5	<u>5</u>	<u>5,3</u>
3) Frenchtown Twp.	Frenchtown Twp.	<u>Private</u>	<u>C</u>	Sp, Su, Fa	GLW	3, 5	<u>5</u>	<u>5,3</u>
4) Village S. Rockwood	S. Rockwood	<u>Public</u>	<u>C</u>	Sp, Su, Fa	<u>GL</u>	3	3	3
5) Village of Carleton	Carleton	<u>Public</u>	<u>C</u>	Sp, Su	<u>BRUSH</u>	3	3	3_
6) Regulated Resource Recovery	Carleton	<u>Private</u>	<u>d</u>	<u>d</u>	<u>G,L,W</u>	<u>5</u>	<u>5</u>	<u>5</u>
7) Yard Waste Collection*	Monroe County	<u>Private</u>	<u>d</u>	Sp, Fa	<u>GL</u>	<u>1,5</u>	<u>1,5</u>	<u>1</u>
8) Christmas Tree Collection	Monroe County	<u>Public</u>	<u>d</u>	<u>d; Wi</u>	W (trees)	1	1	<u>1</u>

City of Milan offers curbside collection of Christmas trees, weekly in the winter. Bedford, Berlin and Monroe Charter Twps, Ida & Petersburg/Summerfield are collected after the season

## \*Available if funding exists

1 Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>4</sup> Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2, etc. = as identified on page \_\_\_\_\_\_ check page numbers

9) City of Luna Pier	City of Luna Pier	<u>Public</u>	<u>d</u>	<u>d</u>	<u>W</u>	<u>3</u>	<u>3</u>	<u>3</u>
10) City of Luna Pier	City of Luna Pier	<u>Public</u>	<u>C</u>	<u>w</u> (Mon/Tue s); Fa	<u>G,L</u>	<u>3</u>	<u>3</u>	<u>3</u>

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

### TABLE III-3: SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Since improper disposal of non-regulated 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.

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected <sup>5</sup>	Program Development	Management Operation	Evalua- tion
1) Household Battery	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>d</u>	<u>B2</u>	1_	<u>1,5</u>	<u>1,2</u>
2) Household Hazardous Waste	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>Sp - Fa</u>	ALL	1_	<u>1,5</u>	1,2,5
3) Clean Sweep	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>d</u>	<u>PS</u>	1_	<u>1,5</u>	<u>1,2,5,</u> <u>State</u>

1 Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

4 Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

<sup>3</sup> Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>&</sup>lt;sup>5</sup> Identified by the materials collected by listing of the letter located by the material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil; PS = Pesticides

### **TABLE III-4: PROPOSED RECYCLING**

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected⁵	Program Development	Management Operation	Evaluation
1) Recycle NOW	(see next line)	Pub/Pri	d	w/b/m	ABCDEF	1,5	1,5	1,5
Four times pe	er month in N	Ionroe Cha	rter Townsh	ip & Bedford	l Township;	Monthly in Du	ndee & Erie/Lun	a Pier.
2)Voluntary Curbside Collection Programs (Contracted)	Milan, Monroe, Frenchtown Twp., S.Rockwood, Luna Pier	Private	С	w, b	ABCEFD	3,5	5	3,5
Frenchtown T	wp. is collect	ed every of	ther week.					
3) Stevens Disposal	Monroe County	Private	d	b	ABCDEF	5	5	5
□ Additi	ional program	ns and the a	bove inform	nation for th	ose prograr	ns are listed on	an attached pag	ze.

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

<sup>&</sup>lt;sup>1</sup> Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

<sup>&</sup>lt;sup>3</sup> Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>&</sup>lt;sup>4</sup> Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

<sup>&</sup>lt;sup>5</sup> Identified by the materials collected by listing of the letter located by the 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 \_n/a\_

### TABLE III-5: PROPOSED COMPOSTING:

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected <sup>5</sup>	Program Development	Management Operation	Evalu- ation
1) City of Monroe	City of Monroe	<u>Private</u>	<u>C</u>	Sp, Su, Fa	<u>GL</u>	<u>3, 5</u>	<u>5</u>	<u>5,3</u>
2) City of Milan	City of Milan	<u>Pri/Pub</u>	<u>C</u>	Sp, Su, Fa	<u>G,L,W</u>	<u>3, 5</u>	<u>5</u>	<u>5,3</u>
3) Frenchtown Twp.	Frenchtown Twp.	<u>Private</u>	<u>C</u>	Sp, Su, Fa	GLW	<u>3, 5</u>	<u>5</u>	<u>5,3</u>
4) Village S. Rockwood	S. Rockwood	<u>Public</u>	<u>C</u>	Sp, Su, Fa	<u>GL</u>	3	3	3
5) Village of Carleton	Carleton	<u>Public</u>	<u>c</u>	Sp, Su	<u>BRUSH</u>	3_	3	<u>3</u>
6) Regulated Resource Recovery	Carleton	<u>Private</u>	<u>d</u>	<u>d</u>	<u>G,L,W</u>	<u>5</u>	<u>5</u>	<u>5</u>
7) Yard Waste Collection*	Monroe County	<u>Private</u>	<u>d</u>	Sp, Fa	GL	<u>1,5</u>	<u>1,5</u>	<u>1</u>
8) Christmas Tree Collection	Monroe County	<u>Public</u>	<u>d</u>	<u>d; Wi</u>	W (trees)	1	1	<u>1</u>

<sup>1</sup> Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

 $<sup>^{3}</sup>$  Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>4</sup> Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2, etc. = as identified on page \_\_\_\_\_\_ check page numbers

City of Milan offers curbside collection of Christmas trees, weekly in the winter. Bedford, Berlin and Monroe Charter Twps, Ida & Petersburg/Summerfield are collected daily in the winter

*Available if fund	ling exists							
9) City of Luna Pier	City of Luna Pier	<u>Public</u>	<u>d</u>	<u>d</u>	<u>W</u> _	<u>3</u>	<u>3</u>	<u>3</u>
10) City of Luna Pier	City of Luna Pier	<u>Public</u>	<u>C</u>	<u>w</u> (Mon/Tue <u>s)</u> ; Fa	<u>G,L</u>	<u>3</u>	<u>3</u>	<u>3</u>

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

### TABLE III-6: PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Since improper disposal of non-regulated 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.

Program Name Responsibilities <sup>1</sup>	Service Area <sup>2</sup>	Public or Private	Collection Point <sup>3</sup>	Collection Frequency <sup>4</sup>	Materials Collected⁵	Program Development	Management Operation	Evalua- tion
1) Household Battery	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>d</u>	<u>B2</u>	1_	<u>1,5</u>	1,2

<sup>1</sup> Identified by 1=Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page \_n/a\_); 5 = Private owner/operator; 6 = Other (Identified on page \_n/a\_).

<sup>&</sup>lt;sup>2</sup> Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

<sup>3</sup> Identified by c = curbside; d = drop-off; o = onsite; and if other explained.

<sup>4</sup> Identified by d = daily; w = weekly; b = biweekly; m = monthly; and if seasonal service also indicated by Sp = Spring; Su = Summer; Fa = Fall; Wi = Winter

<sup>&</sup>lt;sup>5</sup> Identified by the materials collected by listing of the letter located by the material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil; PS = Pesticides

2) Household Hazardous Waste	Monroe County	Pub/Pri	<u>d</u>	Sp - Fa	ALL	1_	<u>1,5</u>	1,2,5
3) Clean Sweep	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>d</u>	<u>PS</u>	1_	<u>1,5</u>	<u>1,2,5,</u> <u>State</u>
4)Red Med Boxes	Monroe County	<u>Pri</u>	<u>d</u>	<u>d</u>	<u>*</u>	<u>1,2</u>	<u>1</u>	<u>1,2</u>
5)Ewaste	Monroe County	<u>Pub/Pri</u>	<u>d</u>	<u>d</u>	**	<u>1</u>	<u>1,5</u>	<u>1,2</u>

 $<sup>{}^{*}</sup>$ Prescription and over the counter medications.

<sup>\*\*</sup>Electronic Waste

### **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.

### **Monroe County:**

The County's continuing role on solid waste management plan issues will to guide the ongoing Act 451 solid waste planning efforts, to monitor and report data collected by service providers and handled at facilities operating within the county; to offer technical assistance to municipalities and commercial entities to expand program efforts to fulfill noted voids; to continually monitor the availability of handling, processing and disposal facilities to ensure that sufficient capacity continues to exist to handle the County's entire waste stream; to support clean community programming; to provide ongoing educational and outreach efforts to county waste generators about programs and opportunities.

### **Various Service Providers**

Private sector and non-profit sector service providers will deliver solid waste and recycling services under the terms of the Plan's Enforceable Program. The county will continue to contract with a service provider to offer the RecycleNOW drop-off program and Stevens Disposal & Recycle Services, Inc.will continue to serve as a drop-off location for recyclables.

## **Various Service Providers for Construction and Demolition Material Collection:**

Private sector and non-profit sector service providers may deliver on-site collection of construction and demolition material throughout the county.

### **Various Landscaping/Nursery Companies:**

Private sector and non-profit sector service providers may deliver yard waste collection services and serve as hosts for yard waste drop-off sites.

### Cities, Villages and Townships:

Monroe County's municipalities are urged to provide specialized solid waste services requested by many waste generators if such services as offered by the private sector are not readily or conveniently available. For example, such services would include the establishment of drop-off locations for recyclable materials, yard clippings and/or bulky household items; Freon removal programs; or mixed-waste drop-off points. Additionally, basic education and information efforts aimed directly at the services locally available would be periodically provided. Municipalities are encouraged to participate in joint efforts. Opportunities for cost reduction and program improvements are well documented when municipalities are able to provide community wide and multi-community services through competitive bidding processes. Cities, Villages and Townships are encouraged to partner with the County to provide and promote services.

### **Environmental Groups:**

The County will continue to partner with existing community organizations involved with protecting water and land resources, as well as leading organizations which increasingly understand the connection between the environment and economically vibrant communities.

## **PROJECTED DIVERSION RATES:**

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

### **Projected Diversion Rates:**

The projected diversion rates shown in the table below are based on the volume of materials diverted as shown in Table III-C: Resource Conservation Effort. They are calculated as a fraction of the total waste stream which includes both diverted and non-diverted materials.

#### **EXISTING AND PROJECTED DIVERSION RATES**

(Percentage of the Waste Stream Not Destined for Final Disposal)

	Year	Year	Year
Waste Stream Category	<u>2015</u>	<u>2020</u>	<u>2025</u>
Residential Yard Wastes	4.3%	4.3%	4.3%
Residential Recycling	4.5%	4.5%	4.5%
Commercial Yard Wastes	0.5%	0.5%	0.5%
Commercial & Industrial Recycling	12.1%	12.3%	12.2%
CDD Recycling	4.8%	4.8%	4.8%
ISW Recycling	4.8%	4.8%	4.8%
Net After Inclusion of Process Residues	10.3%	10.3%	10.3%

Collected Material:	Projected Annual Tons Diverted:			Collected Material:	Projected Annual Tons <u>Diverted:</u>		
	Year 2015	Year 2020	Year 2025		Year 2015	Year 2020	Year 2025
A. TOTAL PLASTICS	740	759	776	G. GRASS AND LEAVES	3,791	3,840	3,928
B. NEWSPAPER	2,642	2,709	2,773	H. WOOD WASTE	285	289	296
C. CARDBOARD	7,753	7,949	8,136	I. CONSTR. & DEMO.	998	1,198	1,214
D. OTHER PAPER	4,296	4,404	4,507	J. FOOD PROCESSING	*	*	*
E. GLASS	1,442	1,477	1,509	K. TIRES	*	*	*
F. OTHER MATERIALS *	1,193	1,190	1,196	L. TOTAL METALS	1,968	2,019	2,069
				M. TOTAL ALL MATERIALS	25,108	25,835	26,404

<sup>\*</sup>Other material category includes tires, food, wood waste and industrial special waste recycling

### 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. Note that recyclable materials are commodity products and that the actual movement of these materials to end-markets will fluctuate during the course of the plan. In some cases these commodities will only be used in-state due to the weight of the material, high transportation costs and relatively low value per ton. This is frequently the case for yard waste, wood waste and other similar materials. Other materials that have higher levels of demand worldwide will, from time to time, be shipped out-of-state and in some cases out of the country and overseas, as market conditions dictate.

Collected Material:	Out-of- In-State State Markets Markets	Collected Material	Out-of- In-State State Markets Markets
A. TOTAL PLASTICS	100%	G. GRASS AND LEAVES	100%
B. NEWSPAPER	100%	H. WOOD WASTE	100%
C. CARDBOARD	100%	I. CONSTR. & DEMO.	100%
D. OTHER PAPER	100%	J. FOOD PROCESSING	
E. GLASS	100%	K. TIRES	100%
F. OTHER MATERIALS	100%	L. TOTAL METALS	100%

Market availability for recovered recyclable materials is the key to the success level that can be achieved with recycling programs. If there is no market for a collected material, there is little reason to collect such materials since they would ultimately have to be disposed of to clear storage areas. At present, the operators of the material recovery facilities which handle the Monroe County recyclables have been successful in moving the materials back into the manufacturing stream. Monroe County is fortunate to be served by multiple markets and processors both within Michigan and the broader region. Markets for a broader range of recyclables including mixed plastics, papers and other packaging are increasingly available and at reliable prices.

The market for recovered materials, whether located within Michigan or elsewhere, changes frequently and is dependent even upon world economics. It is anticipated that these successes will continue to exist.

## **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 Monroe County, Appendix E contains a complete list and samples can be obtained online or from the County.

## **Educational and Informational Programs:**

The County Solid Waste Coordinator provides regular communications and information to the general public regarding solid waste and recycling.

- To provide the details of the drop-off recycling, Recycle NOW, a newsletter is produced and distributed to residents via the elementary schools three times per year. It is also distributed through the local libraries, municipalities, mail list and on-line.
- The County hosts a website containing all governmental services available to residents in the
  county, one page is dedicated to solid waste. In addition, the County hosts an "Eco-ville"
  website that provides one-stop for all environmental information throughout the county. In
  addition to solid waste and recycling, water quality issues, sustainability programs, and other
  environmental programs are represented on this site.
- Semi-annual or annual mailings to residents about upcoming collection events for household hazardous waste, tires, medications, secure documents and other events and activities.
- Annual events such as Earth Day Fair, hosting a variety of information booths and information for the county each April.
- Participating in events such as America Recycles Day, NACO Green Counties Challenge.
- Presentations to community groups and schools.
- School and Commercial recycling program start-up materials.
- Printed Resource Guide and other educational pamphlets
- Coordination of Michigan Green Schools Program
- Utilization of available social media (Green Monroe County on Facebook)

## III-8 TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

This timetable is a guideline to implement components of the Plan's Enforceable Program. The timeline gives a range of time in which the component will be implemented such as "Current/On-going" or "Future". Timelines may be adjusted later, if necessary.

All elements of the selected management plan may essentially be considered as on-going components. In terms of volume reduction achievement levels, it is anticipated that most Monroe County municipalities will have ensured that a full range of "curb-side" collection services is provided by the private sector or is offered through special efforts of the municipality to each residential waste generator by the year 5 of the planning period. By Year 10 of the planning period, it is anticipated that a full and continuous public awareness of the benefits of waste reduction and resource recovery will have made a dramatic difference in the amount of materials recovered and allow the County to meet its year 10 planning period goals.

Management Components	Timeline
1) Recycle NOW Recycling Program	Current/Ongoing
2) Voluntary Curbside Collection Recycling Program	Current/Ongoing
3) Stevens Disposal Recycling Program	Current/Ongoing
4) City of Monroe Composting Program	Current/Ongoing
5) City of Milan Composting Program	Current/Ongoing
6) Frenchtown Twp. Composting Program	Current/Ongoing
7) Village of S. Rockwood Composting Program	Current/Ongoing
8) Village of Carleton Composting Program	Current/Ongoing
9) Regulated Resource Recovery Composting Program	Current/Ongoing
10) Christmas Tree Collection Composting Program	Current/Ongoing
11) City of Luna Pier Composting Program	Current/Ongoing
12) Household Battery Collection Program	Current/Ongoing
13) Household Hazardous Waste Collection Program	Current/Ongoing
14) Clean Sweep Collection Program	Current/Ongoing
15) Educational and Informational Programs	Current/Ongoing
16) Commercial and Schools Recycling Assistance	Current/Ongoing
17) Clean Community Program	Current/Ongoing
18) Red Med Box Program	Current/Ongoing
19) Electronic Waste Recycling Program	Current Ongoing
19) Solid Waste Hauler Licensing	Future
20) Solid Waste Facility Reporting	Future
21) Expanded Drop Off Capacity	Future

# **III-9 SITING REVIEW PROCEDURES**

The Siting Review Procedures contained in this Plan begins with a description of Unauthorized Disposal Area Types followed by a description of Authorized Disposal Area Types and Siting Criteria and Process.

Per the requirements of Part 115 Section 11533 of NREPA, this Plan includes an Enforceable Program and Process that assures that the nonhazardous solid waste to be generated in the planning area over the next 10 years will be collected and recovered, processed, and disposed of at disposal areas that comply with state law and rules promulgated by the Michigan Department of Environmental Quality (MDEQ) governing the location, design and operation of the disposal areas.

As provided for in Part 115 Section 11537 (a) of NREPA, this Plan demonstrates that the planning area has in excess of 66 months of available disposal capacity and will have in excess of 66 months of available disposal capacity for the duration of the 5 year planning period for which this Plan is provided. As a result, the County may refuse to utilize the siting mechanism contained herein until the County is no longer able to demonstrate 66 months of disposal capacity or until the County amends this Plan to provide for annual certification process described in Part 115 Section 11538 (4) of NREPA.

This Plan does not include an annual certification process, as provided for in Part 115 Section 11538 (2) of NREPA, since specific disposal areas are identified in this *Plan* for the ten year period after approval of the Plan and, as such, is not required to provide the annual certification process described in Part 115 Section 11538 (4) of NREPA, or the interim siting mechanism described in Part 115 Section 11538 (3) of NREPA.

### UNAUTHORIZED DISPOSAL AREA TYPES

The following types of solid waste disposal areas are specifically excluded from this Plan and will not be allowed to be sited by this Plan. Any proposal to construct a facility listed herein shall be deemed inconsistent with this Plan.



- Non-selected Waste Systems
- Sanitary Landfill

Siting of new landfills or incinerators of any type, or expansions of existing landfills will only be considered for determination of consistency as part of a 5-year update process or as a free standing plan amendment.

### AUTHORIZED DISPOSAL AREA TYPES

This Plan's Enforceable Program and Process, per the requirements of Part 115 Section 11533 of NREPA, includes existing and new disposal areas within the County as described below. Disposal areas at specific sites identified in this Plan are automatically included in the Plan and do not have to be processed through any Plan siting mechanism.

Disposal areas at specific sites are identified on pages 86-88 and listed according to the type of disposal area activity that is authorized by this Plan.

A siting mechanism is included within this Plan to site mixed waste processing and transfer station facilities regulated under Part 115.

A facility shall be considered a sponsored facility only if it is sponsored by County agencies or local municipalities or their authorities. Sponsorship is defined to mean, at a minimum, ownership or long term lease (20 years or more) of the land on which the proposed facility is located. Such facilities will be reviewed for siting following the Plan's siting mechanisms as provided for in this in this plan.

Facilities regulated under Part 115 include commercial operations that only dispose of waste that is generated on site. Such proposed commercial operations are consistent with the Plan and are not subject to the siting process.

## Exemptions

- **A. Source Separated Processing Facilities - Processing** facilities that process only source separated materials are not subject to siting control under County solid waste plans. In the event that a source separated processing facility is proposed it can be located with the approval of the local municipal government.
- B. Expansions of Existing Transfer Stations and Mixed Waste Processing Facilities Expansions of existing transfer stations and mixed waste processing facilities are required to follow the siting process outlined herein unless the expansion will increase the existing physical size of the facility by 20% or less.
- C. Type B Transfer Facilities- Type B Transfer Stations are defined in Part 115 as facilities that accept less than 200 uncompacted cubic yards of solid waste per day or that are not designed to accept waste with mechanical compaction devices.

Type B Transfer Stations designed to accept less than 60 uncompacted cubic gate yards of waste per day are not subject to this siting process. Facilities proposed to accept 60 uncompacted cubic gate yards per day or less are required to give notice to the

municipality in which the facility resides and the Monroe County Health Department-Solid Waste program to be considered consistent with this Plan.

Facilities capable of accepting over 60 uncompacted gate yards per day must follow the standard siting process outlined herein.

If the conditions described above are met, expansions of existing mixed waste processing and transfer station facilities will be automatically considered consistent with this Plan.

# **FACILITIES INCLUDED IN THIS PLAN**

A.1: <u>Type III Landfill Disposal Areas</u>: This disposal area designation is for a sanitary landfill which will not handle municipal solid wastes or hazardous wastes but will accept construction and demolition debris, industrial special wastes, and other Type III wastes.

Name of	New or	Address	Area Approved for Which Siting is Not
Facility	Existing		Required
	Designation		
Matlin Road	Existing	200 Matlin Rd.	Current
		Carleton, MI 48117	
DTE Energy	Existing	3500 E. Front St.	Current
Monroe PP Ash		Monroe, MI 48161	
Basin			
Consumers	Existing	4525 East Erie Rd.	Current
JR Whiting		Erie, MI 48133	
Holcim	Existing	15215 Day Rd.	Current
		Dundee, MI 48131	
Standard	Existing	9450 US Turnpike Rd.	Current
Rockwood		Newport, MI 48166	
Landfill			



These sites have been set aside for use as Type III Landfill disposal areas and are automatically included in the Plan and do not have to be processed through any Plan siting mechanism.

A.2: Type II Landfill Disposal Areas: This disposal area designation is for a sanitary landfill which will handle municipal solid waste and/or municipal solid waste incinerator ash. Municipal solid wastes are generally defined as household waste from single and multiple dwellings, hotels, motels, and other residential sources, or this household waste together with solid waste from commercial, institutional, municipal, county, or industrial sources that, if disposed of would not be required to be placed in a hazardous wastes disposal facility. These facilities may also receive other types of solid waste, such as nonhazardous sludges, industrial wastes, and all wastes which may be legally disposed of in a Type III landfill.

Type II Landfill disposal areas as described in the Plan's Enforceable Program are included in the Plan for the following sites. Type II landfill designations are applicable to all acreage of the named sites and the site's total disposal capacity and disposal area footprint sizes may be maximized to the extent permitted by Act 451. Any limitations to this basic designation approach are specifically identified.

Name of	New or	Address	Area Approved for Which Siting is Not
Facility	Existing		Required
	Designation		
Vienna Junction	Existing	6196 Hagman Rd. Toledo, OH 43612	current

These sites have been set aside for use as Type II Landfill disposal areas and are automatically included in the Plan and do not have to be processed through any Plan siting mechanism.

A.3: Solid Waste Processing Facility Disposal Areas: This disposal area designation is for processing plants or manufacturing or industrial operations which are designed for the purpose of recovering materials from a solid waste stream which is not generated onsite. Recycling facilities or yard waste composting facilities that process only source separated materials do not require Act 451 designation unless process residues equal or exceed 10% of the total volume of material received. Several Material Recovery Facilities (MRF's) in the County do not strictly require such a designation as a Solid Waste Processing Facility Disposal Area. However, maximum flexibility is sought for the projects in case ultimately, some recyclables might best be processed from mixed-wastes. Should that eventuality occur, the owners or operators of the MRF involved may choose to apply for construction and/or operating permits from the Michigan Department of Environmental Quality. Otherwise, the facilities must be operated as source separated MRFs.

Name of Facility	New or Existing	Address	Area Approved for Which Siting is Not Required
	Designation		
Stevens Disposal & Recycling Services, Inc	Existing MWP	16929 Ida West Road Petersburg, MI 49270	current
Republic Services of Toledo – Erie Transfer Station	New	Dixie Highway Erie, MI 48133	current

These sites have been set aside for use as Solid Waste Processing Facility Disposal Areas and are automatically included in the Plan and do not have to be processed through any Plan siting mechanism.

A.4: Solid Waste Transfer Station Disposal Area: This disposal area designation is for a tract of land, a building and any appurtenances, or a container, or any combination of land, buildings, or containers that is used or intended for use in the re-handling or storage of solid waste incidental to the transportation of the solid waste, but is not located at the site of generation or the site of disposal of the solid waste.

Following are the designated sites for the Solid Waste Transfer Station Disposal Areas within Monroe County.

Name of Facility	New or Existing Designation	Address	Area Approved for Which Siting is Not Required
Stevens Disposal & Recycling Services, Inc	Existing Type A	16929 Ida West Road Petersburg, MI 49270	current
Gasper Recycling	Existing Type B	9248 Oakville Waltz Willis, MI 48191	current

SELECTED SYSTEM Letter

Action	Existing	2510 W. Temperance Rd.	current
Disposal	Туре В	Temperance, MI 48182	
Republic Services of Toledo – Erie Transfer Station	New	Dixie Highway Erie, MI 48133	current

These sites have been set aside for use as Solid Waste Transfer Facility Disposal Areas and are automatically included in the Plan and do not have to be processed through any Plan siting mechanism or notification requirement. Act 451 defines these as Type A and Type B Solid Waste Transfer Station Disposal Areas.

It should be noted that transfer stations not designed to accept wastes from vehicles with mechanical compaction devices or those that accept less than 200 uncompacted cubic yards of solid wastes per day, are labeled as Type B transfer facilities and are not subject to the construction and operating license requirements of Act 451. However, these facilities must comply with the operating requirements and rules of Act 451. Additionally, transfer stations that are designed and operated to receive domestic and commercial solid wastes from vehicles unloaded by hand are labeled as Type B transfer facilities.

Monroe County chooses to site and inventory Type B transfer facilities and to declare that all Type B transfer facilities that exist within the County but are not defined above or within this plan are not consistent with the Plan. New Type B transfer facilities which become operational after this date and which propose to accept less than 60 yards of waste per day, and which give notice to the host municipality and the Monroe County Health Department-Solid Waste Program, will automatically be consistent with the plan. Any other Type B transfer facility is not consistent with the Plan and will not be allowed to be sited prior to successful review through the siting mechanism contained herein.

## B: Facilities Not Included in this Plan:

A proposal for any other disposal area as defined in Part 115 or NREPA, whether a solid waste transfer facility, incinerator, sanitary landfill, processing plant or other solid waste handling or disposal area utilized in the disposal of solid waste is specifically excluded from the Plan and will not be allowed to be sited prior to an appropriate amendment to this Plan.

# C: <u>Plan Amendment to Include a Facility Not Included in this Plan:</u>



New disposal area facilities not previously designated within this Chapter may be considered for plan consistency as part of a future 5-year plan update process or as a free-standing plan amendment, depending upon where in the planning cycle such applications are received by the County. If a proposed facility is not consistent with, or in compliance with this Plan, the facility proposer can request that the County amend the Plan. The procedure to amend this Plan is the same as the process for updating and adopting this Plan, as provided for in Section 115 of NREPA. A request to amend the Plan should be made to the County Board of Commissioners. Upon receipt of such a request to amend the Plan and authorization to initiate the Plan Amendment process the preliminary fee listed in the approved Fee Schedule shall be charged to consider a proposed amendment to the Plan. The actual cost of the Plan amendment will be charged against this preliminary fee with unused funds returned to the applicant, or a revised budget will prepared by the County if the preliminary fee appears insufficient with an additional fee equal to the revised budget charged to continue consideration of a proposed amendment. Initiation of the Plan Amendment process does not guarantee that the applicant's proposed facility will be found to be consistent with the Plan and thus may not be included in any Plan Update or amendment.

## D: Other Facilities Not Requiring Designation:

This Plan Update purposely does not designate a variety of other solid waste facilities, including the following, inasmuch as these are permissible under Act 451 (or other laws and regulations) without specific designation. Specifically, Monroe County chooses to let the location of such facilities to be controlled by the host municipalities through their normal zoning and site plan approval processes.

- A. Recycling drop-off centers
- B. Source separated compost sites
- C. Source separated recyclable materials processing plants
- D. Household Hazardous Waste drop-off centers or sites
- E. Medical waste incinerators (regulated under Act 23, P.A. of 1990 and the Michigan Public Health Codes.)

### SITING CRITERIA AND PROCESS

The following four sections describe the application process and site review criteria to be used to site solid waste disposal facilities and determine consistency with this Plan.

- Section A: Site Review Procedures
- Section B: Selection and Role of the Solid Waste Facility Siting Committee
- Section C: Application Guidelines
- Section D: Proposal Evaluation Criteria

## **Section A: Site Review Procedures**

#### Overview

Requests for determinations of consistency for sponsored facilities may be submitted at any time, following the procedures identified in the following pages. Proposals for new facilities will be found consistent with the Plan should they meet a set of minimum objective criteria, as defined in Section D.

Proposals should be submitted to the Monroe County Solid Waste Coordinator who will determine if the proposal is administratively complete. Upon the determination of administrative completeness, a Solid Waste Technical Review Panel (TRP), appointed by the Monroe County Board of Commissioners (BOC), will evaluate the project for its compliance with the criteria established in the Plan. The TRP shall evaluate the proposal for consistency and forward their findings and recommendations to the Designated Planning Agency (DPA).

The DPA is responsible for verifying that the TRP reviewed the proposal in accordance with the siting mechanism contained in the Plan. The TRP then forwards a recommendation to the BOC. The BOC will make a determination, based solely on the criteria contained within the Plan, and forward a recommendation regarding consistency to the Michigan Department of Environmental Quality (MDEQ) and the applicant. The MDEQ makes the final consistency determination.

A listing of specific steps and associated timelines are included in the following pages.

### **Suggested Timeline for Standard Review Process**

The following timeline is estimation and is intended to be a general guidance. Efforts will be taken to adhere to the timeline as closely as possible. However, deviations may be required at any step in the process. If deviations should occur, in no case will the term of the entire process exceed 240 days. If the BOC does not submit a recommendation to the MDEQ by the end of day 240, the proposal will be considered consistent with this plan from the standpoint of the County. A final determination of consistency will be made by the MDEQ.

Step	Suggested Cumulative	Action
	Time	Note: The following will commence once the County BOC has
	(days)	officially agreed to open the Plan to review the proposed
		amendment.
1.		Applicant submits application materials to the Solid Waste
		Coordinator (SWC) including 12 copies of the proposal,

		printed double sided on recycled paper, and the appropriate fee.
2.	7	Within seven days of its receipt, the SWC determines whether or not the application is administratively complete. If the application is not administratively complete, the SWC shall notify the applicant and the process ends. If the SWC does not notify the applicant within 14 days, the application will be considered administratively complete and the process will continue.
3.	17	Within ten days of the determination of completeness, the SWC shall notify the local host community and forward a copy of the proposal. The SWC will also notify the BOC, SW Planning Committee, other County agencies and the chief elected official of all County municipalities.
4.	31	Local municipality(s) selects representatives to TRP (see Section B).
5.	55	BOC appoints TRP with membership as identified in Section B; SWC sends copy of application to each appointed member and establishes organizational meeting of the TRP.
6.	60	TRP makes proposal available to the public, begins review, and sets date for first public meeting to be held within 15 days.
7.	75	First public meeting and review.  At least 10 days prior to the first meeting of the TRP a public notice shall be published in the local newspaper of record for the municipality where the proposed facility is to be located which identifies the meeting place and time, the applicant and a description of the proposed facility. The public notice shall also be mailed to the routine list of recipients of County meeting notices as well as:  i) The applicant;  ii) the owners of the property within 300 feet of the boundary of the property for which approval is being considered, as shown by the latest equalization roll;  iii) All occupants of structures within 300 feet of the property in question. If the name of an occupant is not known, the term "occupant" may be used in the notice. Notification need not be given to more than one (1) occupant of a structure, except that, if a structure contains more than one (1) dwelling

		unit or spatial area owned or leased by different individuals, partnerships, businesses or organizations, one (1) occupant of each unit or spatial area shall receive notice. In the case of a single structure containing more than four (4) dwelling units or other distinct spatial areas owned or leased by different individuals, partnerships, businesses, or organizations, notice may be given to the manager or owner of the structure who shall be requested to post the notice at the primary entrance to the structure; iv) The chief elected official of each municipality in the County; v) Members of the TRP; vi) Any other notification required by the Michigan Open Meeting Act; P.A. 267 of 1976, as amended; and vii) Any other notification required by Part 115 of NREPA.  At the first meeting, the TRP will develop the initial evaluation of the proposed facility according to proposal evaluation criteria (see Section D). The public may submit comments on the application at the meeting or to the SWC up to three calendar days following the public meeting.
		If, after the first public meeting, the following two conditions are met, the applicant may advance to step 10.  1) The applicant submits no changes to the initial proposal.
		1) The applicant submits no changes to the initial proposal,
		and
0	00	2) There is minimal public opposition.
8.	90	Applicant may submit changes to the proposal in response to the first public meeting up to fifteen (15) days following the public meeting. Any changes will be resubmitted to the SWC, who will forward copies to the TRP and make them available to the public.
9.	120	Second public meeting is held.
		Public notice shall occur similarly as with the first public meeting.
		At the second public meeting any changes to the initial proposal will be discussed and the TRP will present its final

		decision. If deemed necessary, the committee may call for an
		additional public meeting at this time.*
10.	130	The TRP will submit its recommendations, based solely on the
		established criteria, to the DPA.
11.	150	DPA verifies that the proposal was reviewed according to the
		established criteria and submits recommendations to the BOC.
12.	180	BOC makes final determination of consistency, based solely on
		the established criteria. If an Application is found to be
		consistent with the Plan, formal notice will be forwarded to the
		MDEQ with a copy to the Applicant. If an Application is found
		to be not consistent with the Plan, formal notice will be
		forwarded to the Applicant.
13.	At MDEQ	Application Review - Follow-up: The TRP shall receive formal
	Action	written notice from the DPA at the time that the Applicant
		receives its Construction Permit from the MDEQ or is rejected
		for that Construction Permit and at the time that the Applicant
		receives its Operating License. At the discretion of the chair or
		a simple majority of the members of the TRP, it will reconvene
		as needed within 15 days of the MDEQ action. The TRP shall
		officially dissolve after this 15 day period.
		END

<sup>\*</sup> If the committee deems an additional meeting necessary, the timeline will be extended from this point by thirty (30) days.

## Section B: Selection and Role of the Technical Review Panel

The purpose of Technical Review Panel (TRP) is to review proposals for solid waste Facilities, inspect the proposed site, and report a recommendation regarding consistency with the Solid Waste Management Plan to the DPA. The TRP will be dissolved when either the proposal is deemed inconsistent with the SWMP or the MDEQ has issued a facility construction permit.

When a proposal for facility development is submitted for review, the Solid Waste Coordinator shall notify the BOC who will appoint a TRP with the following representation:

- One member from the County Board of Commissioners whose district shall include the host community in which the facility is proposed;
- The Monroe County Drain Commissioner or designee;
- The Monroe County Planning Department Director or designee;
- The Monroe County Road Commission Director or designee;
- The Monroe County Environmental Health Division Director or designee;
- The chief elected official of the municipality in which the facility site is proposed or designee;
- A representative of the SE Michigan Council of Governments (SEMCOG) or Toledo Metropolitan Area Council of Governments (TMACOG), whose organization represents the municipality in which the site is proposed. (It is preferred that the representative from SEMCOG/TMACOG be the member who most recently sat on the Monroe County Solid Waste Planning Committee. In the event that this person is not available, the Director of SEMCOG/TMACOG shall appoint a representative.);
- One member of the Monroe County Solid Waste Planning Committee representing the environmental or public interest. (It is preferred that the environmental/public representative be a member who most recently sat on the Monroe County Solid Waste Planning Committee.);
- The chief elected official from a non-host Monroe County municipality located within three (3) miles of the proposed site or designee\*.
- \* In the event that more than one Monroe County non-host municipality is located within three (3) miles of the proposed site, these municipalities will together choose only one person to be a voting member to represent those non-host municipalities, and then each municipality without a voting member will designate one (1) non-voting member. Non-voting members will be allowed a full voice in all TRP proceedings and access to all materials available to voting members, but will not be permitted to vote on matters before the committee.

The representatives from the Board of Commissioners, the County Drain and Road Commissions, the Planning and Environmental Health Departments and from the local

municipality(s) will be selected by those governments and agencies, respectively. The names of the selected individuals will be submitted to the County Board of Commissioners (BOC) for confirmation of appointment.

The County Solid Waste Coordinator shall call for the first meeting of the TRP, preside as Chair, and officially convene the first meeting of the TRP. The first order of business shall be to elect a Chairperson to the TRP. The Panel shall abide by *Robert's Rules of Order* for all formal proceedings.

# **Section C: Application Guidelines**

The applicant shall submit a minimum of 12 copies of the proposal, printed double sided, along with an application deposit as determined by the established fee schedule to the DPA. The deposit will cover costs associated with the application review, including but not limited to:

- 1. Staff time and indirect costs spent on review-related activities
- 2. Conducting required public meetings and related services
- 3. Publication and mailing of notices and printing of documents
- 4. Consultant fees for specialized services relating to project review

Costs incurred above and beyond the initial deposit will be charged to the applicant and any remainder will be refunded.

At the time of proposal submittal, all documentation needed to demonstrate compliance with the application guidelines and evaluation criteria must be submitted. The Solid Waste Coordinator will review the application to determine whether it is administratively complete.

### An Administratively Complete Application:

An administratively complete application shall include all the items identified below. The required information shall be used in this Site Review Process to apply the minimum siting criteria as provided for in Part 115 Section 11538 (3) of NREPA. Some of the requirements for an administratively complete application are for informational purposes in order to assist in completing the Siting Review Process.

- 1. Type of Facility (processing facility, transfer station)
- 2. Legal description of all parcels included in the proposed disposal area.
- 3. Name, address, email and telephone number for:
  - a) The applicant and its parent company, if any;
  - b) Property owner of the site (if different);
  - c) Operator of the proposed disposal area (if different);
  - d) Designer/Engineer and other consultants for the proposed disposal area; and
  - e) Designated contact for the Siting Review Process.
- 4. A statement that the applicant is the owner of all the parcels involved in the application or, if the owner of any of the parcels is different than the applicant, documentation in the form of land contracts, purchase agreements, or other binding legal instruments which substantiate the applicant's ability to proceed with development and operation of all parcels involved in the application.
- 5. General site location map(s). The general site location map(s) shall include more than one drawing where required for clarity. One set of the general site location map(s) shall be drawn at a scale and of such accuracy that one can readily interpret the general site location map(s). Another set of the general site location map(s) shall be reduced so each sheet shall fit on 8 1/2 by 11 inch, or 8 1/2 by 14 inch, paper. Such general site location map(s) shall be designed and prepared by a registered professional architect, landscape architect, engineer, land surveyor, or community planner. The general site location map(s) shall include the following information:
  - a) The parcel(s) within the general site location map, identified by parcel lines and location including dimensions, angles and size, correlated with the legal description of said parcel(s).
  - b) The scale, north point, boundary dimensions, topography, and natural features such as woodlots, streams, rivers, lakes, drainage and similar features.
  - c) Existing man-made features such as roads, buildings, structures, high tension towers, pipelines, existing utilities such as water and sewer lines, excavations, bridges, culverts, drains and easements, and shall identify adjacent properties and their existing uses including:
    - 1. Access roads to the site along with all highways and County Roads;
    - 2. Proposed access point(s) to the site;
    - 3. Location of any public use airports licensed by the Bureau of Aeronautics Michigan Department of Transportation that are within ten thousand (10,000) feet of the proposed active disposal area;

- 4. Location of public and private water wells within one mile of the proposed active disposal area and showing established/approved wellhead protection areas;
- 5. Residences, commercial establishments, industries, institutions including schools, churches, hospitals and historic or archaeological sites within one mile of the proposed active disposal area; and
- 6. Surface drainage patterns, including all drains regulated by the Monroe County Drain Commissioner's office within one-mile radius of site boundaries.
- d) Current zoning at the site and for adjacent land uses.
- e) Boundaries of all local units of government.
- 6. A detailed site plan or plans describing 1) the site as it exists, and 2) the site in use as a solid waste disposal area. The site plan shall include more than one drawing where required for clarity. One set of the site plans shall be drawn at a scale not to be greater than one (1) inch equals twenty (20) feet nor less than one (1) inch equals two hundred (200) feet, and of such accuracy one can readily interpret the site plan. Another set of the site plan shall be reduced so each sheet shall fit on 8 1/2 by 11 inch, or 8 1/2 by 14 inch, paper. Such site plan shall be designed and prepared by a registered professional architect, landscape architect, engineer, land surveyor, or community planner. The site plan shall include the following information:
  - a) The parcel(s), identified by parcel lines and location including dimensions, angles and size correlated with the legal description of said parcel(s).
  - b) The scale, north point, boundary dimensions, existing topography (at least two (2) feet contour intervals), and existing natural features including woodlots, streams, rivers, ponds, lakes, wetlands, high risk erosion areas, slopes over 25%, beach, sand dunes, Karst formations, drainage and similar features, including:
    - One hundred year flood plains (as identified by DNR flood plain maps and as defined in the Part 115 Administrative Rules) within the boundaries of the site;
    - ii. Lands regulated under the Farmland and Open Space Preservation Act, 1974, Part 361 of NREPA, as emended, that are within the boundaries of the site:
    - iii. Location of surface water within the boundaries of the site;
    - iv. All wetlands (regulated and non-regulated) within the boundaries of the site;
    - v. Delineation of any Karst formations within the boundaries of the site.
    - vi. Delineation of any Oak Openings natural areas within the boundaries of the site.

- vii. Location of drains within the boundaries of the site;
- viii. Topography information based on USGS datum, or selected on-site elevations; and
  - ix. Soil analysis based on a Modern Progressive Soil Survey of the County. If such survey is not completed for the site, then generalized soil analysis data regarding the soils and their adaptability to the use must be submitted.
- c) Location and boundary dimensions of existing man-made features within the boundaries of the site including buildings, structures, high tension towers, pipelines, water wells, existing utilities including water and sewer lines, excavations, bridges, culverts, drains, easements and any known existing contamination.
- d) The location and boundary dimensions of proposed changes within the boundaries of the site including.
  - i. Solid waste processing and disposal areas;
  - ii. On site roads, driveways, sidewalks and other vehicular and pedestrian circulation features within and adjacent to the site including staging area for trucks waiting to use the facility, parking spaces in the off-street parking areas and the identification of service lanes and service parking;
  - iii. Main and accessory buildings, their relation one to another and to any existing structures on the site, the height of all buildings and square footage of floor space, finished floor and grade line elevations;
  - iv. Open spaces, landscaping and buffering and security features, greenbelts, fences and walls;
  - v. Connections to existing utilities and proposed extensions thereof;
  - vi. Soil erosion and sediment control measures including preventative soil erosion devices or measures, both during and after any site work related to the development, when required;
  - vii. Interior and exterior areas and structures to be used for storage, use, loading/unloading, recycling, or disposal of hazardous substances;
  - viii. Underground and above ground storage tanks for such uses as fuel storage, waste oil holding tanks, chemical storage, hazardous waste storage, collection of contaminated stormwater or wash water, and all similar uses;
  - ix. Exterior and interior drains, on-site sewage systems, dry wells; catch basins; retention/detention areas; sumps and other facilities designed to collect, store or transport stormwater or wastewater including point of discharge for all drains; and
  - x. Any other man-made features not specifically described above.
- e) Conceptual engineering plans for construction of the facility.

- 7. A written narrative that shall include the following information:
  - a) Name and type of solid waste facility.
  - b) General description of the facility and how it functions (for informational purposes in the Permit Review Process) including the types and quantities of waste to be delivered to the facility, the targeted service area (to include specific communities, major commercial and industrial establishments, institutions, and waste haulers potentially served by the facility), useful life and capacities of the facility, description of how each type of material will be handled at the facility, the eventual disposition of the materials to be handled by the facility, the proposed operating schedules (days and hours), a description of any resource recovery, recycling and composting activity planned for the site, the expected employment of the facility, a discussion of the economic and engineering feasibility of the final use plan for the site, and the applicant's rationale for developing the facility.
  - c) Summary of the results of the MDEQ advisory analysis (if completed), with responses to any points raised in the advisory analysis and a copy of the advisory analysis attached as an exhibit.
  - d) Summary of the results of an Environmental Permits Checklist (with a copy attached as an exhibit), with discussion regarding any required permits along with current permit status documentation including either copies of received permits attached as exhibits, letters of intent to approve and issue a permit, letters of understanding for concurrent approval (issuing a permit) from those agencies or summary of discussions held with authorities responsible for issuing those permits. The site plans should be drawn to show design/placement as required for compliance with each of the applicable permits. Permits to be covered where applicable include:
    - i. Well permit,
    - ii. Type II water supply permit,
    - iii. Type III water supply permit,
    - iv. On-site sewage disposal permit,
    - v. Soil erosion permit,
    - vi. Land division or subdivision approval,
    - vii. Waste disposal or storage or monitor wells permit(s),
    - viii. Sand dune mining permit,
      - ix. Permit to cut forest products,
      - x. Forestry use or special use permit,
      - xi. Easements for utilities and public agencies (on state or federal lands),
    - xii. Dam construction permit,
    - xiii. Certificate of Public Convenience and necessity for pipelines,

- xiv. Air quality installation permit, operating permit,
- xv. National Pollutant Discharge Elimination System permit,
- xvi. Groundwater discharge permit,
- xvii. Wastewater collection and treatment facilities construction permit,
- xviii. Great Lakes Shorelands permit,
  - xix. Inland Lakes and Streams permit, and
  - xx. Wetlands permit.
- e) An inventory of public services (fire protection, sewer, water, sanitation, emergency services/response, quasi-public utility companies (gas, electric, telephone)) showing:
  - i. Public services which are required by the solid waste facility,
  - ii. Public services which exist to service the site of the solid waste facility.
- f) Statements relative to the impact of the proposed development on soil erosion, shoreline protection, wildlife habitat, air pollution, water pollution (ground and surface), noise and the scale of development in terms of the surrounding environment.
- g) Other narrative statements necessary which specifically address the siting standards listed above.
- h) Other narrative statements necessary regarding design and operation of the proposed facility in response to applicable requirements of County and local ordinances and rules/regulations.
- i) Nuisance Mitigation Plan in the form of a detailed narrative to address planned mitigation steps for the following:
  - i. Litter;
  - ii. Odor;
  - iii. Dust;
  - iv. Noise;
  - v. Vibration;
  - vi. Pests and diseases;
  - vii. Flammable or explosive materials;
  - viii. Emergency response;
    - ix. Limiting access (inc. fencing, gates, natural barriers, or other methods);
    - x. Restricting access in loading, unloading, and handling areas;
    - xi. Handling bulky items;
  - xii. Collecting, storing, and removing liquid waste;
  - xiii. Removing or confining salvaged materials at the end of each business day;
  - xiv. Contingency in the event of a plant malfunction or facility breakdown;
  - xv. Facility/equipment maintenance and cleanup.

xvi.	Storm water management plan and maintenance schedule.

# Section D: Minimum Standard Siting Criteria

Minimum Standard Siting Criteria are considered minimum standards that any proposed facility must meet. Each criterion listed below must be answered in the affirmative in order for a facility to fulfill the Minimum Standard Siting Criteria requirements. Detailed descriptions of each criterion follow the yes/no checklist below.

# MINIMUM STANDARD SITING CRITERIA EVALUATION CHECKLIST

	YES	NO	CRITERION (See detailed descriptions following checklist)
A			Site Ownership
В			Frontage on Appropriate Roads
С			Distance from Wetlands
D			Distance from Karst Formation
E			Distance from Farmland and Open Space Part 361 NREPA Lands
F			Distance from Designated Historic Sites
G			Distance from 100 Year Flood Plains
Н			Distance from Water, Beaches
Ι			Distance from Water Well Serving a Dwelling
J			Distance from Specified Building Types
K			Distance from Land Conservancy Parcels
L			Distance from Schools and Education Establishments
M			Distance from Certain Recreational Facilities
N			Distance from MDNR Natural Features Inventory Lands
О			Distance from Specified Types of Natural Resource Lands
P			Distance from Certain Additional Recreational Lands
Q			Design Incorporates Woodland Protection Plan with Signed Statement
R			Design Incorporates Nuisance Mitigation Plan with Signed Statement
S			Design Incorporates Certain Setback Requirements with Signed Statement
T			Analysis Submitted Documenting Availability of Required Public Services
U			Signed Statement to Abide by Certain Regulatory Requirements
V			Signed Statement to Abide by Certain Non-locational Zoning Requirements

# MINIMUM STANDARD SITING CRITERIA DETAILED DESCRIPTIONS

A. The proposed applicant is the owner of all parcels involved in the application or has documented through binding legal instruments the ability to proceed with the development and operation of all parcels involved in the application.

- B. The proposed site frontage is on or has direct access to a paved county primary road or state trunk line.
- C. No part of the site and respective parcel(s) is located within or less than 100 feet from a regulated wetland as defined by Part 303 of P.A. 451 of 1994, as amended (being the Wetlands part of the Michigan NREPA, M.C.L. 324.30301 *et. seq.*).
- D. No part of the site and respective parcels(s) is located within or less than 100 feet from a known Karst formation as determined by the Monroe County Health Department.
- E. No part of the site and respective parcel(s) is located within or less than 100 feet from land enrolled under the Farmland and Open Space Preservation Act, 1974, Part 361 of NREPA.
- F. No part of the site and respective parcel(s) is located within or less than 100 feet from land that is a designated historic or archaeological area as defined by the State Historic Preservation Officer (SHPO) or by local historic preservation districts.
- G. No part of the site and respective parcel(s) is located within or less than 100 feet from one hundred year flood plains (as identified by Michigan DNR flood plain maps and as defined in the Part 115 Administrative Rules).
- H. No part of the site and respective parcel(s) is located within or less than 300 feet from the boundary edge of:
  - Any surface water (as identified by Michigan DNR surface water maps and as defined in the Part 115 Administrative Rules); and
  - 2. Beach contiguous to a lake or stream
- I. No part of the site and respective parcel(s) is located within or less than 100 feet from a water well which services a dwelling (which is drilled by a licensed well driller and a well log is filed with the Geological Survey Division of the MDEQ and County Health Department) in existence on the date the disposal area application was found complete.
- J. No part of the site and respective parcel(s) is located within or less than 300 feet from dwellings, duplexes, apartment buildings, hospital, medical care facilities and foster care facilities in existence on the date the disposal area application was found complete.
- K. No part of the site and respective parcel(s) is located within or less than 300 feet from lands which are held by a land conservancy or which have development restrictions held by a land conservancy, either of which were in existence on the date the disposal area application was found complete.

- L. No part of the site and respective parcel(s) is located less than 1000 feet from the boundary edge of schools and education establishments in existence on the date the disposal area application was found complete.
- M. No part of the site and respective parcel(s) is located less than 300 feet from the boundary edge of certain recreation facilities identified below:
  - 1. Snowmobile and all terrain vehicle trails which are marked and signed and receive care, grooming with public funds;
  - 2. Horse, bicycle, hiking and ski trails which are marked and signed and receive care, grooming with public funds;
  - 3. Abandoned rail road right-of-ways when owned by a railroad company or a public agency;
  - 4. The parcel boundary of state game area;
  - 5. The parcel boundary of municipal and county parks with recreation facility improvements;
  - A national park or recreation area designated by the U.S. Department of Interior;
  - 7. A national scenic river designated by the U.S. Department of Interior; and
  - 8. A special interest area as designated by the U.S. Forest Service.
- N. No part of the site and respective parcel(s) is located within or less than 300 feet from land listed on the MDNRE Natural Features Inventory, as determined by the MDNRE through the Environmental Review process for compliance with Act 365, Endangered Species Protection, of the NREPA as amended.
- O. No part of the site and respective parcel(s) is located within or less than 300 feet from land regulated under parts 351 through 361 of P.A. 451 of 1994, as amended (being the Wilderness and Natural Areas, Sand Dunes, Biological Diversity, Natural Beauty Roads, Sanctuaries, Farmland and Open Space preservation part of the Michigan NREPA, M.C.L. 324.35101 *et. seq.* through 324.35101 *et. seq.*) and part 511 of P.A. 451 of 1994, as amended (being the Commercial Forests part of the Michigan NREPA, M.C.L. 324.51101 *et seq.*), or the delineated boundaries of the Oak Openings.
- P. No part of the site and respective parcel(s) is located less than 300 feet from the boundary edge of certain recreation lands:
  - 1. The parcel boundary of a state park;
  - 2. The parcel boundary of day, summer and retreat camps;
  - 3. Federally designated wild and scenic river corridors;

- 4. State designated natural river's water's edge; and
- 5. The parcel boundary of arboretums, sanctuaries established under statute.
- Q. Applicant's Proposal includes a Woodland Protection Plan designed to protect woodlands and other trees on site and includes a written and signed statement from the Applicant indicating that they will abide by and remain in compliance with the Woodland Protection Plan at all times. Submittal by the applicant of this Woodland Protection Plan and the signed statement is required to meet this criterion. The adequacy of the submittal will not be used to determine if this criterion has been satisfied.
- R. Applicant's Proposal includes a Nuisance Mitigation Plan designed to mitigate nuisances identified under Administratively Complete application; Section 6.i and includes a written and signed statement from the Applicant indicating that they will abide by and remain in compliance with the Nuisance Mitigation Plan at all times. Submittal by the applicant of this Nuisance Mitigation Plan and the signed statement is required to meet this criterion. The adequacy of the submittal will not be used to determine if this criterion has been satisfied.
- S. Applicant's Proposal demonstrates that the facility as designed and constructed will incorporate the following setback, buffering, screening and service access requirements and includes a written and signed statement from the Applicant indicating that they will abide by and remain in compliance with these requirements at all times. Submittal by the applicant of this signed statement is required to meet this criterion. Vegetation belt, buffer, screening and service access area shall meet standards which are not less than:
  - 1. Vegetation Belt: A vegetation belt of five (5) feet from the parcel line toward the center of the parcel will be maintained in woody plant vegetation to provide visual screening from roads and adjacent property. The vegetation belt will not include any improvements, buildings or fences except for an entrance drive(s), utilities and identification signs.
  - 2. Buffers: Measuring toward the center of the disposal area property, but not within the 5 foot vegetation belt, a buffer shall be established which:
    - Shall not be occupied by any structure, storage of equipment, materials, operations, or by similar activities.
    - b. Shall consist of the following for any side of the parcel that is adjacent to an industrial or commercial zoned area:
      - a buffer area setback of fifty (50) feet, or
      - a berm four (4) feet or more high, not sloped greater than (1) vertical for each of the same two units horizontal, or

- a solid wall four (4) feet, or more, in height, or
- a proportionately adjusted combination of the above.
- c. Shall consist of the following for any side of the parcel that is adjacent to all other uses:
  - a buffer area setback of one hundred (100) feet, or
  - a buffer area setback of fifty (50) feet followed by a berm four (4) feet, or more high not sloped greater than (1) vertical for each of the same two units horizontal, or - a buffer area setback of twenty-five (25) feet followed by a solid wall four (4) feet, or more, in height.
- T. An analysis has been submitted that defines the public services which are required by the solid waste disposal area, that inventories existing public services (fire protection, sewer, water, sanitation, County emergency services/response, and utilities including gas, electric, telephone) available at the site boundaries and that documents that the existing public services are the same as or exceed the public services required by the solid waste disposal area. Submittal by the Applicant of this analysis is required to satisfy this criterion. The adequacy of the submittal will not be used to determine if this criterion has been satisfied.
- U. Applicant has submitted a written and signed statement that the disposal area will abide by and remain in compliance with applicable parts of the Michigan Subdivision Control Act; Michigan Soil Erosion and Sedimentation Control Act; Michigan Construction Code; applicable state air and water pollution standards; local wellhead protection ordinances, applicable building codes, state and local health codes, local noise ordinances and local junk ordinances as determined with the advice of appropriate state and local officials and as specified in Section III of the Solid Waste Plan, Local Ordinances and Regulations. Submittal by the Applicant of this signed statement is required to satisfy this criterion. The adequacy of the submittal will not be used to determine if this criterion has been satisfied.
- V. Applicant has submitted a written and signed statement that the disposal area will abide by and remain in compliance with any applicable part of the respective zoning ordinances regulations dealing with: parcel size, road frontage, setback requirements, buffering and screening, off street parking, signs, as specified in Section III of the Solid Waste Plan, Local Ordinances and Regulations but not subject to zoning regulation of location of a solid waste disposal area as a land use. Submittal by the Applicant of this signed statement is required to satisfy this criterion. The adequacy of the submittal will not be used to determine if this criterion has been satisfied.

## **III-10 SOLID WASTE MANAGEMENT COMPONENTS**

The following identifies the management responsibilities and institutional arrangements necessary for the implementation of the Plan's Enforceable Program (as described in this document's 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.

The Monroe County Board of Commissioners has the overall responsibility for solid waste planning, implementation and enforcement. These responsibilities are executed through the Monroe County Health Department, Environmental Division and the Monroe County Planning Department. Specific activities are conducted through the Office of the Solid Waste Coordinator and the Certified Health Department. The County supports solid waste planning and management activities through the collection of a facility fee which is described in the Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance found in the section on ordinances and Appendix D. The County will continue to explore any additional mechanisms as deemed beneficial to the County by the County Board of Commissioners to implement, enforce and advance the goals, objectives and criteria of this Plan. Enforcement of the Plan will be in cooperation with the Michigan Department of Environmental Quality which has the ultimate responsibility for enforcing the environmental laws of the State.

## STRENGTHS OF THE CURRENT MANAGEMENT SYSTEM

Monroe County benefits from having an established infrastructure for solid waste management and recovery from which to build on. This includes 1) existing landfill/hauling operations in the county and in adjacent counties, 2) a network of recycling service providers including public sector as well as private sector operations, 3) recycling processing facilities in the county and in adjacent counties with an interest in servicing the County.

This system is organized and managed through a combination of public and private sector efforts that include dedicated staff and resources within the County, and within private firms providing waste management and material recovery services. These entities work together through a combination of contracts, ordinances, intergovernmental agreements and service specifications. This Plan Amendment will be a part of this organization and management system also.

The current organizational and management structure as just described is deemed to be consistent with the Plan and is authorized as the basis for further development of the Plan's Management Component with all the assignment of powers able to be provided for by the Plan.

## **NEEDS OF THE MANAGEMENT COMPONENT**

There are three principal gaps that need to be addressed in the Plan's Enforceable Program and in developing a management component capable of implementing the selected alternative.

- 1) Strengthening incentives for developing new programs within the selected system is a critical element of the necessary management component. This is especially critical given the potential need for additional recycling and material recovery capabilities.
- 2) Strengthening the funding mechanism for "value added" programs is a critical element of the necessary management component. The "value added" programs are the services and program functions that are difficult to link to a particular user under a typical system and include household hazardous waste services, overall education/promotion of the programs, drop-off recycling programs, overall program management, planning and development costs, selected program capital and operating costs and other services as deemed necessary.
- Implementing an organizational mechanism that provides local units of government, businesses and other generators, with the necessary organizational and management tools and appropriate incentives such that households and businesses within their jurisdiction will have access to cost effective disposal and material recovery services needed to further develop the selected alternative.

The Management Components that are authorized by this Plan's Enforceable Program include all organizational mechanisms deemed necessary to enable the above funding and organizational mechanisms to work, further developed as described below.

#### FURTHER DEVELOPMENT OF THE MANAGEMENT COMPONENT

The Authorized Management Component builds on the County's current organizational and management structure and addresses the gaps identified in this section. Future enhancements to the existing Management Component are identified in the following paragraphs and are considered part of the Plan's enforceable program.

Further development of the Plan's Authorized Management Component is provided for as part of the Plan's Enforceable Program, as deemed necessary to enable development of organizational mechanisms that are required for plan implementation.

These developments may take a number of forms and will only be initiated after an evaluation of the best steps that can be taken to build on the strengths of the current system already in place. The DPA will coordinate development in order to provide the necessary details required to carry out the Plan's Enforceable Program, which will provide for a method of implementing the selected alternative, including all aspects of the Plan's Enforceable Program.

Components of the Management System will include:

• A County program for recycling and related solid waste management services, if necessary, will be developed that meets the requirements of this Plan and that meets any import requirements of County Plans where landfills used by Monroe County are located.

- Local units of government within the County will be asked to take steps to implement, within
  their jurisdictions, the types of collection, disposal and material recovery services called for in
  the selected alternative.
- A legal/ordinance framework will be evaluated if necessary, to help establish necessary controls for funding mechanisms and the delegation of authority.
- Contracts and intergovernmental agreements between the various participants in the system
  will be evaluated and developed as needed in order to specify services, exchange of resources,
  and establish funding mechanisms.
- The County will establish the role of a designated implementation agency with necessary staffing/administrative capability to reach project goals.
- The County will play a supporting role in encouraging economically healthy businesses, industries and communities with minimal environmental impact.

#### IMPLEMENTATION OF THE MANAGEMENT COMPONENT

In evaluating options and making final decisions, the Management Component of the Plan's Enforceable Program provides for the County to take steps required for implementing the selected alternative, both organizationally and legally. These steps are expected to follow some, if not all, of the following more detailed description of a management system that will provide for a method of funding the Selected Alternative.

Key components of the organizational and management structure required to develop a suitable funding mechanism to implement the Selected Alternative include:

- A. Designation of the County Solid Waste Coordinator, within the Monroe County Health
  Department, under the direction of the County Administrator and Board of Commissioners as
  the designated implementation agency.
- B. Development of an Implementation Strategy/Work Plan by the Coordinator of the County Solid Waste Division, including details of development and operation of the selected components of the Plan's Enforceable Program and also including responsibility for development of an annual strategic plan and preparation of an annual budget for adoption by the Board of Commissioners. The format will provide for a means to be updated on a regular basis based on monitoring of progress towards plan goals, and a mechanism for evaluating underserved areas of the County.
- C. The establishment of a Solid Waste Program Administration Task Force to oversee management and recommend approval of an annual budget to the Monroe County Board of Commissioners. The Task Force shall meet at least once annually to review program budget and establish goals for each fiscal year. Membership shall include Chair of Board of Commissioners Physical Resources Committee, Administrator, Health Officer/Director, Director of Environmental Health Division, Solid Waste Coordinator and Chair of Solid Waste Management Planning Committee (if one is appointed at the time). This Task Force will evaluate budget scenarios and provide recommendations to the Board of Commissioners on future funding issues.

- D. Utilize the statutory authorities and powers of the County as provided for by Michigan law, enabling support for implementation by local units of government of the selected alternative and the Plan's Enforceable Program with appropriate legal, management and financial capabilities.
- E. Full utilization of the service contracting capability of the County and local units of government as needed to arrange for funding and operation of solid waste collection, disposal and material recovery programs as needed to implement the selected alternative.

These organizational and management structures as just described are deemed to be consistent with the Plan and authorized as the basis for further development of the Plan's Management Component with all the assignment of powers able to be provided for by the Plan.

Other steps that may be taken as part of the Management Component include:

- F. System improvements, new services, contracts, intergovernmental agreements and ordinance structures would be further evaluated, detailed, incorporated into the Action Plan and then implemented.
- G. Upon implementation, progress will be tracked through methodical data compilation and analysis in order to track program performance, benchmark performance against goals, and target future implementation planning. Steps will be taken to ensure that mechanisms are available and supported to implement additional data reporting as need to ensure quality information is available. Regular updates of system performance and new goals will be incorporated into the continuously updated Implementation Plan as they develop. Programs and services will be evaluated to meet the needs of underserved areas of the County, as well as centers of waste generation that are not currently receiving services, such as small businesses, construction and demolition contractors or special waste generators.
- H. Leveraging of contributed resources will be encouraged in order to reduce program budget requirements and build community support for the waste management and material recovery system development. These approaches will be used to build the perception for residents and businesses that the "community recycling program" is theirs run for their benefit and for an improved quality of life and better business climate. Public and private service agencies as well as school groups will be involved as much as practical.
- I. Private bank financing will be expected to be available for capital improvements made by private companies and non-profits that are involved in the system.
- J. The development of alternative funding to augment the current waste generation fee basis is authorized by this plan and may include existing legislative authority or future authority granted by the Michigan legislature or local ordinance. Such a funding mechanism would endeavor to be performance and incentive based and to broadly require financial support to support the management of waste and resources in a manner that is protective of the public health and contributes to a vital and sustainable economy.

# **III-11 IDENTIFICATION OF RESPONSIBLE PARTIES**

<u>Monroe County Board of Commissioners</u>: The Monroe County Board of Commissioners is the legislative and policy-making body of Monroe County government. The County Board is responsible for approval of the Solid Waste Management Plan

<u>Designated Planning Agency-Solid Waste Coordinator</u>: The Solid Waste Program is part of the Public Health Department, Environmental Health Division, a certified health department with responsibility for overseeing and enforcing the solid waste plan and program. The Solid Waste Coordinator is responsible for the overall supervision of the solid waste management system for the county, acting as the DPA.

<u>Solid Waste Program Administration Task Force</u>: The Task Force shall meet at least once annually to review program budget and establish goals for each fiscal year and will oversee the management and recommend approval of an annual budget to the Monroe County Board of Commissioners. Membership shall include: Chair of Board of Commissioners Physical Resources Committee, County Administrator, Health Officer/Director, Director of Environmental Health Division, Solid Waste Coordinator and Chair of Solid Waste Management Planning Committee.

<u>Solid Waste Management Planning Committee</u> (SWMPC): The Monroe County SWMPC will be responsible for advising the County on updating the County five-year and 10-year Solid Waste Management Plan.

<u>Municipal and Township Governments</u>: The City Councils of the County's cities, the Village Boards of the County's villages and the Board of Trustees of the County's townships are the legislative and policymaking bodies of Monroe County's 24 municipalities. Local units of government will be responsible for certain solid waste management tasks.

<u>Private Solid Waste Companies</u>: Private sector waste companies will provide for collection of solid waste unless provided for through municipal services. Private sector entities also will operate various recovery systems.

The following lists which entities within the County that will have management responsibilities over various areas of the Plan:

Resource Conservation: Responsible Parties

Source or Waste Reduction - Waste generators and product manufacturers
Product Reuse - Waste generators and product manufacturers
Reduced Material Volume - Waste generators and product manufacturers
Increased Product Lifetime - Waste generators and product manufacturers
Decreased Consumption - Waste generators and product manufacturers

Resource Recovery Programs Responsible Parties

Composting - County, Municipalities, and private firms

Recycling - County, Municipalities, and private firms

Energy Production - not applicable

**Volume Reduction Techniques:** County, municipalities and private firms

<u>Collection Processes:</u> County, municipalities and private firms

**Transportation:** County, municipalities and private firms

**Disposal Areas**:

Processing Plants - County, municipalities and private firms

Incineration - not applicable

Transfer Stations - County, municipalities and private firms
Sanitary Landfills - County, municipalities and private firms

<u>Ultimate Disposal Area Uses:</u> Private Firms in cooperation with Host Community,

MDEQ

<u>Local Responsibility for Plan:</u> County Board of Commissioners, Health Department-

**SW Coordinator** 

**Update Monitoring & Enforcement:** Health Department-SW Coordinator and Inspector

**Educational and Informational Programs:** County, municipalities and private firms

# III-12 LOCAL ORDINANCES AND REGULATIONS AFFECTING SOLID WASTE DISPOSAL

Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance: An ordinance which enables the County to collect a fee for waste disposed of at landfills in Monroe County; to require the payment of fees at Solid Waste Disposal Facilities located outside of Monroe County which accept waste generated in Monroe County; to establish reporting for Solid Waste Disposal Facilities; to regulate solid waste hauler licensing and reporting; to establish a waste generator fee and collection of waste generator fees; to provide penalties for violations of this Ordinance; to establish a process to set the amount of fees; to set the method of payment of fees; and to require that the use of such fees will promote resource recovery activities which promote the general health, safety and welfare of the community. A copy of the ordinance can be found in the attachment section.

Monroe County authorizes all local municipal solid waste ordinances and regulations as enforceable provided that they are not in conflict with the goals of this Plan or Part 115 of PA 451 of 1994, as amended.



This Plan recognizes, and incorporates as enforceable, the following specific provisions based on any currently approved and existing zoning ordinances:

Regulations concerning the allowable areas of local regulation, beyond those specified elsewhere in this document, include:

- a. Certain ancillary construction details,
- b. Hours of operation,
- c. Noise, litter, odor and dust controls as well as other site nuisances,
- d. Operating records and reports,
- e. Facility security and safety,
- f. Monitoring requirements for wastes accepted, banned or prohibited, and
- g. Volume reduction, recycling and composting requirements.

X 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.

The County Board of Commissioners may at any time, at its own discretion implement additional Ordinances and Regulations which further the goals of this 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. Allowable areas of local regulation, beyond those specified elsewhere in this document, include:

- a. Certain ancillary construction details,
- b. Hours of operation,
- c. Noise, litter, odor and dust controls as well as other site nuisances,
- d. Operating records and reports,
- e. Facility security and safety,
- f. Monitoring requirements for wastes accepted, banned or prohibited, and
- g. Volume reduction, recycling and composting requirements.

# **III-13 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.

X	_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:

The table below identifies landfill disposal areas, their expected life, and historical usage rates expressed as years of remaining life which are commonly utilized by Monroe waste generators. These facilities have all been included in the Plan, along with all Michigan Counties and US territories.

Identified Disposal Area Capacity By Landfill Company	Remaining Capacity (CY)	Projected Years of Remaining Capacity (Reported by Landfill)
Vienna Junction	10,000,000	15-18
Adrian Landfill, Inc	2,002,000	19
Arbor Hills Landfill	17,104,550	10.9
Carleton Farms Landfill	52,693,996	23
Sauk Trail Hills Landfill	11,246,000	10
Woodland Meadows Recycling & Disposal Facility	24,700,000	16.5
Riverview Land Preserve	15,000,000	17
Standard Environmental Services, Inc., Rockwood Landfill	16,100,000	16
Matlin Road Landfill	1,884,000	17
Consumers Energy J.R. Whiting Fly Ash Fill	n/a	n/a
DTE Monroe Power Plant Fly Ash Basin	n/a	n/a
Holcim (US), Inc.	n/a	n/a

Available air space and delivery rates are based on information provided by landfills either to the State of Michigan or directly to Monroe County and its agents. Where additional calculations of landfill life were completed, it was assumed that 20% of available air space is lost to cover and liner components. Whenever conflicts in reported values arose, the more conservative estimate was utilized.

Not including landfills within Oakland County and Wood County Ohio, there currently exists more than the required capacity to dispose of 10 years worth of Monroe generated wastes within the region. The six primary landfills identified in the plan have an average lifespan of 15.8 years.

Monroe County's Selected Alternative, which relies on regional access to landfill capacity, also includes designation in the Plan Update of a review mechanism which can accommodate the addition of additional transfer and resource recovery facilities which will minimize the needs for landfill or provide cost effective access to a larger regional network of landfill capacity.

Monroe County also is able to access landfill capacity in out-of-state landfills.

Finally, this Plan Update includes all Michigan Counties as authorized for export from Monroe County conditional upon a signed Agreement between the accepting solid waste disposal facility and Monroe County. Waste generated in Monroe County is authorized for import in the Plan Updates of Michigan Counties with existing and planned landfill capacity sufficient to accommodate Monroe County's disposal requirements during the 10 year planning period.

For all of the reasons above, Monroe has clearly demonstrated capacity for well beyond the 10 year planning period.

## **CAPACITY CERTIFICATION PROCESS**

As demonstrated above Monroe County will have access to more than a sufficient amount of disposal capacity to meet disposal needs to some point well beyond the Year 2030. This capacity is currently available at facilities located both within Monroe County and at facilities located within other Michigan counties (and later only at facilities located elsewhere) where the host county solid waste management plan has provided for the reception of wastes generated within Monroe County and where the facility operators are willing to receive Monroe County wastes. Therefore, an annual certification process is not included within this plan.

# **INTERIM SITING MECHANISM PROCESS**

As previously indicated, Monroe County will have access to more than a sufficient amount of disposal capacity to meet disposal needs to some point beyond the Year 2022. Therefore, an interim siting mechanism which contains objective criteria and procedures for the selection of additional disposal area landfills is not included within this plan.

## **APPENDICES**

APPENDIX A: ADDITIONAL INFORMATION REGARDING THE SELECTED SYSTEM

APPENDIX B: ADDITIONAL INFORMATION REGARDING THE NON-SELECTED SYSTEMS

APPENDIX C: PUBLIC PARTICIPATION AND APPROVAL

APPENDIX D: PLAN IMPLEMENTATION STRATEGY

APPENDIX E: RESOLUTIONS REGARDING PLANNING AREA

APPENDIX A

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# 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.

## DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS

The following table shows estimated waste composition and volumes by material type. Nearly all materials in the waste stream are available for recycling or composting, however it is not at this time practical to recycle or compost the entire waste stream in Monroe County.

	Percent of	2015 Tons	2020 Tons
	MSW Waste		
Newsprint (ONP)	4%	6,701	6,886
Mixed Office	2%	4,607	4,734
Old Corrugated Containers (OCC)	12%	22,623	23,249
Mixed Other Paper	13%	25,022	25,714
All Metals	8%	15,877	16,316
All Textiles	5%	9,419	9,680
All Glass	5%	9,252	9,508
All Plastic	12%	22,882	23,515
All Yard Waste	13%	25,052	25,745
Food Waste	13%	24,207	24,877
Wood Waste	6%	12,480	12,826
Misc. Bio-degradable	3%	4,835	4,969
Misc. Non Bio-degradable	4%	7,112	7,309
Totals	100%	190,070	195,328
Construction & Demolition	-	23,956	24,281
Industrial Special Wastes	-	9,997	9,702

# **PROGRAM RECOVERY ESTIMATES (tons per year)**

	2015 Tons	2020 Tons
Drop-off system	464	475
Curbside recycling	3,131	3,206
Commercial/Industrial MSW		
recycling	16,413	16,800
Yard waste	4,129	4,223
Construction/Demolition	1,198	1,214
Industrial Special Waste Recovery	500	485
Total Recovery	25,835	26,404
% of waste diverted*	10.3%	10.3%

<sup>\*</sup>net after inclusion of process residues

Description	Est. Diversion Tons/Yr		s/Yr
	<u>2015</u>	<u>2020</u>	
Residential Yard Waste	3,475	3,557	
Residential Recycling	3,595	3,681	
Commercial Yard Waste	655	666	
Commercial & Industrial Recycling	16,413	16,800	
C&D Recycling	1,198	1,214	
Industrial Special Waste Recycling	500	485	
Monroe County Totals (after deducting process residue)	25,835	26,404	
% of waste stream diverted	10.3%	10.3%	

# **EQUIPMENT SELECTION**

The following briefly describes the processes used or to be used to select the equipment of the recycling and composting programs included in the Selected System.

# • Existing Programs

**Drop-off Recycling Stations** - Equipment at drop-off sites located in Monroe vary by location and operator, which includes municipal and private operations. Generally those municipalities without curbside collection have access to some level of drop-off recycling services.

**Recycling Processing/Transfer** - Material recovery facilities operating in Monroe County will continue to operate as usual. Private sector operators also process commercial and industrial recyclables, primarily paper and scrap metals.

**Composting** - Composting facilities operating in Monroe County will continue to operate as usual and be encouraged to expand. Private sector operators also process commercial and industrial materials and will procure new equipment as required.

## • Proposed Programs

**Drop-Off Recycling Stations** - Equipment that is compatible with existing programs elsewhere in the County will be evaluated, including roll-off containers that can service rural areas 24-hours per day. The equipment must also be able to handle the newly standardized increase in range of materials to be handled at all drop-off sites. Provision of actual service and final site and equipment selection will be undertaken by municipalities and private sector operators.

The County will assess the visibility and convenience of the existing network of drop-off sites with a focus for those generators not serviced by curbside recycling programs. A permanent drop-off site, if considered a viable option by the County, will include these additional materials collected as well as other difficult to dispose of items, such as tires, household hazardous wastes and bulky items.

**Curbside/Commercial Collections** - Provision of service and final equipment selection will be undertaken by municipalities and private sector operators.

**Recycling Processing/Transfer** - Equipment selection will be made by private sector operators at the sites, which are identified elsewhere in this plan.

**Composting** - Yard waste collection will be provided in the more densely populated areas of the County as contracted by municipalities through a single hauler, but also may be available to those residents who individually subscribe for services. Provision of actual service and final equipment selection will be undertaken by municipalities and private sector operators.

## SITE AVAILABILITY & SELECTION

#### Existing Programs

**Drop-Offs** - Existing sites will continue to operate.

**Recycling Processing/Transfer** - The existing sites will continue to operate.

**Composting** - Existing programs will continue to operate.

# • Proposed Programs

**Drop-Offs** - Existing sites will continue to operate. New sites will be added to provide more access to those generators not serviced by curbside recycling programs. One site could be expanded and converted to collect difficult to dispose of items in addition to the expanded range of materials for the Monroe County standard sites.

**Recycling Processing/Transfer** - Future improvements will occur on existing site as deemed needed after evaluation.

**Composting** - New sites would be evaluated to include areas of the County underserved by current composting programs. Additional sites will be added by agreement between local entities and private operators, and will be consistent with all State of Michigan regulations and established best management practices.

### **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.

Implementation of the selected alternative will be completed in full compliance with the state and federal laws and in coordination with both local and regional public health, planning and environmental agencies. Section III of the Plan provides detail on the Management Component of the Plan as well as Ordinances and Siting Requirements.

The Monroe County Solid Waste Division will have responsibility for program implementation as the designated implementation agency. The County Office of the Administrator will oversee the Department. Fiduciary responsibility for the County solid waste management system is shared by numerous entities, including municipal and private sector service providers and waste generators. The County Solid Waste Division will work to track performance against planned milestones contained in both the Solid Waste Plan and in the Implementation Action Plan.

The County will facilitate expansions and improvements in a comprehensive solid waste management system. Participating communities as well as private solid waste management companies will work with the County in developing and operating the selected alternative.

# **COSTS & FUNDING**

Monroe County utilizes the "Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance" to provide funds to implement the Solid Waste Management Plan. The Solid Waste Management Planning Committee fully supports and recommends that the Monroe County Board of Commissioners continue to maintain the above ordinance to fund the Solid Waste Program, maintain all current programming and expand program offerings as decided by the Solid Waste Program Administration Task Force to meet new demands and provide adequate protection to the health and welfare of Monroe County citizens.

The Solid Waste Management Committee also supports adoption of additional funding mechanisms by the Monroe County Board of Commissioners, these include, but are not limited to adoption of additional ordinances, enactment of Public Act 138 of 1989 or Public Act 69 of 2005, special assessments, volume based fee structures, ordinances, or other funding mechanisms as identified necessary by the Solid Waste Program Administration Task Force.

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.

## **Clean Community:**

Program Description	Estimated Costs Per Year	Timeline	Potential Funding Sources
Solid waste collection services: provided to all households and businesses in the County.  Illegal dumping and litter would be policed with enforcement of violations.	Status quo (residents contract with service provider, or township/ municipality provides collection)	Ongoing	Municipal or individual contract
Household hazardous waste collection services: Collection arranged four times per year at a mobile site, with services provided by private vendor.	Variable; average estimated at \$20-\$40 per participant per use and hauler assumes site liability	Ongoing	Monroe County Solid Waste Disposal Fee
Collection of electronics and medications at established collection sites.	Variable, estimated at \$20,000 per year	Ongoing	Monroe County Solid Waste Disposal Fee

Funding of environmental projects through the Monroe County Environmental Fund Grant Program.	Estimated at \$30,000 per year	Ongoing	Monroe County Solid Waste Disposal Fee
Collection event(s) for tires.	Estimated at \$15,000 per year	Ongoing	Monroe County Solid Waste Disposal Fee
RecycleNOW Drop-off Recycling Program	Estimated at \$42,000 per year	Ongoing	Monroe County Solid Waste Disposal Fee

# **Recycling Incentives:**

Program Description	Estimated Costs Per Year	Timeline	Potential Funding Sources
Promotion and Education: a range of outreach efforts would support all system programs, including recycling, composting, household hazardous waste collection and businesses waste reduction; county-wide general information campaigns; radio ads, newspaper ads, presentations and public displays	Target range of \$2-\$4 per household per year with costs shared by a range of public, private and County programs	Ongoing	Monroe County Solid Waste Disposal Fee
Pay as You Throw (PAYT): residents pay for solid waste collection depending on the volume they put at curb, including option for pay by the bag or Recyclebank	Varies by program, with average \$1-\$1.50 per bag (paid by resident); other rates for curb cart service	Future	Municipal or individual contract

# **Residential Recycling:**

Program Description	Estimated Costs Per Year	Timeline	Potential Funding Sources
Expanded Drop-off Sites: existing drop-off sites would be upgraded to include a wider range of materials; satellite sites would be added where service currently lacking; all County residents and small businesses would have reasonable access; special events collection  Recovery Estimate: 500 tons/year	Servicing: estimated at \$150 per pull per roll-off container; variable costs for other collection systems; Processing: \$25-45/ton (varies by program and material); Capital: 30-yd-roll-off containers at \$5,500 ea.; site improvements (fencing, signage, additional); 105-gal carts @\$50/ea;	Future	Private/public partnership
Drop-off Site: One or more central sites becomes permanent, flagship site with some staffing, added materials such as textiles, batteries, construction and demolition (C&D) Recovery Estimate: 5-8,000 tons/year	Servicing: \$150 per pull Processing: \$30-45/ton Capital: roll-offs @\$4,500 ea. Staffing/cleanup: \$10-\$30,000 per site	TBD if financially fiscal	Private/public partnership
Subscription Curbside Recycling: residents in a more urban district would be urged to subscribe for curbside recycling Recovery Estimate: 2,000 tons per year (year one)	\$4-6/hh/month - paid by subscriber	Ongoing/ TBD	Municipal or individual contract
Contracted Curbside Recycling: all residents in county would receive weekly curbside recycling Recovery Estimate: 8,000 tons/yr	\$3-5/hh/month; varies by municipality and type of contract/service provider – paid by subscriber	Ongoing/ TBD	Municipal or individual contract
Multi-family Recycling: all residents of multi- family housing units (more than 5 units per building) could receive on-site recycling services	Servicing Costs: \$60-100/ton (including collection, processing); variable depending on service provider and type of system – paid by subscriber	Ongoing/ TBD	Municipal or individual contract

# **Yard Waste Recovery:**

Program Description	Estimated Costs / Year	Timeline	Potential Funding Sources
Yard Waste Drop-off Sites: add yard waste collection bins at one or more recycling drop-off sites  Recovery Estimate: 2000 tons/year	Servicing: \$30-\$50/ton	TBD based on funding	Monroe County Solid Waste Disposal Fee or private service provider
Backyard Composting: Education would focus on alternatives to collecting organic wastes. Composting bins and mulching mower blades are available at low cost to residents through other agencies. Target all households in county	Variable	Ongoing	Monroe County Solid Waste Disposal Fee for education, individuals for equipment
Seasonal Collection of Yard Waste: all residents in the County would have weekly pick-up of leaves, grass and brush by a contractor or municipal crew during the growing season	\$1-\$2/bag paid by resident to cover collection costs, or through municipal contract	TBD – based on availability of service provider	Municipal or individual contractor pays for service
Yard Waste Processing: development of compost processing site(s) as needed to process/prepare finished compost from underserved parts of the County and from landscapers, businesses and other yard waste generators	Range of \$20-25 per ton capital/operating, depending on equipment, size of site, technology	TBD – based on availability of service provider	Private Service provider offers service for fee

# **Commercial Recycling:**

Program Description	Estimated Costs / Year	Timeline	Potential Funding Sources
Expanded Commercial OCC/paper routes/industrial recovery: development of a service district, with "bundled" contracted service would lure service provider to bid on coordinated route to service multiple businesses with curbcart, bins, bags and/or other system; education effort to encourage other commercial/industrial recovery; Recovery Estimate: 5-10,000 tons/year	\$30 -60 per week for collection	Ongoing	Subscriber pays for service

#### **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 collected materials and the transportation network were also considered. Impediments to implementing the solid waste management system are indentified 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.

#### 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. Current programs are very well supported by the public and achieve excellent utilization rates.
- 2. Continued support for the position of solid waste coordinator and county solid waste programs are a resource available to all residents.
- 3. Increased waste reduction goals will reduce the amount of waste which needs to be transported to and disposed in landfills both inside and outside of the County.
- 4. Provision of new solid waste funding mechanisms would stabilize funding and provide greater equity in the system while serving to incentivize recycling.
- 5. Greater emphasis on recycling and waste reduction will help to prepare communities and businesses for changing business climate focused on sustainable practices.
- 6. Clean community and education/promotion create stronger interest in responsible practices.
- 7. Implementation of a data collection system would provide valuable data for future solid waste planning.
- 8. Illegal dumping activity will be minimized.
- 9. Unregulated hazardous wastes will be diverted from landfill disposal.
- 10. Recycling/composting encouraged and facilitated to become the dominant method of waste management.

- 11. Organics management system is an effective alternative to landfilling.
- 12. Recycling processing/marketing system has a growing number of service providers and new technologies.
- 13. Less reliance on landfills for disposal especially with an increase of commercial/C&D recycling.
- 14. Reduced overall solid waste collection costs begin to be realized.

# **DISADVANTAGES**

- 1. Landfilling is still the dominant form of waste management.
- 2. System costs may not yet be optimized despite increased recovery.
- 3. Services available in the rural areas of the County are still limited.

# APPENDIX B: 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.

## ALTERNATIVE #1: LARGE SCALE INCINERATION OR WASTE TO ENERGY

One alternative that was considered and subsequently discarded was large-scale incineration. This option is not viable in Monroe County for various reasons, but primarily because the environmental degradation and human health risks associated with the operation of incinerators far outweigh the benefits.

The incineration of municipal solid waste can cause adverse health and environmental effects through air emissions, toxic ash residue, and the destruction of materials that could be recycled. Carcinogenic and toxic chemicals are often released through incineration, and may include: heavy metals (arsenic, lead, cadmium, mercury, chromium and beryllium), acid gases (hydrogen fluoride), partially-burned organic material (polyvinyl chloride [PVC], herbicide residues, and wood preservatives), other organic chemicals (polycyclic aromatic hydrocarbons [PAHs]), dioxins, and furans. Dioxins, for example, were recognized as "known" human carcinogens by the World Health Organization in 1997. Recent analysis identified 192 volatile organic compounds being emitted by a single solid waste incinerator.

The ash by-product from incineration still requires landfilling, and may compose up to 10% of the solid waste stream by volume. This ash requires special handling and disposal due to its toxic nature. Air pollution and odor problems can be marginally reduced with the use of pollution control equipment, but this equipment is expensive and only reduces pollution to legally acceptable levels.

## **Advantages**

- · Electricity or steam is produced, helping to offset operational and maintenance costs
- Minimal land requirements

# **Disadvantages**

- Although sophisticated, mechanical systems have demonstrated operating difficulties
- · Utilizes natural resources
- The cost-effectiveness of energy generation has not been proven
- · Particulates and toxic fume emissions contribute to air pollution
- Environmental hazards associated with the disposal of bottom and fly ash from incinerators
- Design, operational procedures, and site development are complex under present regulations
- Public sentiment against incinerators can make siting and development difficult
- · High maintenance requirements

## **SYSTEM COMPONENTS:**

The following briefly describes the various components of the non-selected system.

## **RESOURCE CONSERVATION EFFORTS:**

This system's primary focus is on incineration and no additional conservation efforts are proposed.

# **VOLUME REDUCTION TECHNIQUES:**

This system utilizes incineration as a volume reduction technique. Incineration is viewed as a very effective way to reduce the volume of municipal solid waste.

# **RESOURCE RECOVERY PROGRAMS:**

This system does not utilize resource recovery. Although the incineration of waste can be utilized to capture energy, practices such as reduction, reuse, and recycling are not put to use.

## **COLLECTION PROCESSES:**

Each municipality in the County is responsible for coordinating its own collection of disposable and recyclable materials. This can be done by either the municipality itself, or through a private waste hauler.

## TRANSPORTATION:

Municipalities and/or individuals coordinate transportation of municipal solid waste. Transportation can be provided by the municipality, or by the contracted private waste hauler. Large-scale incineration eliminates the need for transportation to locations other than the incinerator.

# **DISPOSAL AREAS:**

The majority of Monroe County's municipal solid waste is disposed of at the Carleton Farms Landfill in Wayne County. However, disposal areas in Monroe County and various other counties are also utilized. This system would create lower disposal requirements because of the large-scale waste reduction provided by incineration.

## **INSTITUTIONAL ARRANGEMENTS:**

Currently, solid waste management is shared between the public, private, and non-profit sectors. In the case of this alternative, current collection, processing, and disposal infrastructure will need to be reduced and/or modified to accommodate an incineration system.

# **EDUCATIONAL AND INFORMATIONAL PROGRAMS:**

Educational efforts, focused primarily on recycling and composting, are in practice throughout the County. Because the non-selected system does not utilize recycling and composting, current educational programs need to be modified to reflect the new incineration program component.

# **CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:**

There are currently no large scale, licensed, and permitted municipal solid waste incinerators operating within the County. Siting, developing, and operating a new facility would be cost prohibitive.

# **EVALUATION SUMMARY OF NON-SELECTED SYSTEM:**

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation for why this system was not chosen for implementation.

# **Human and Environmental Health:**

The non-selected system is based on incineration, which diverts items from landfill disposal. The decrease in landfilled items reduces the need for additional landfill space. However, incineration has raised concerns about the levels of toxic materials emitted by incinerator smokestacks and the levels of heavy metals found in incinerator ash, and the resulting decrease in ambient air quality.

## **Economics:**

The non-selected system is not an economically feasible option for the County due to the high cost of siting, constructing, and operating a new incinerator facility. Incineration also greatly reduces the market for recovered materials, causing this sector of the County's economy to weaken.

# **Transportation:**

The non-selected system will not demand an increase in the County's transportation infrastructure.

# Siting:

The non-selected system will require the siting and development of a new facility.

# **Energy Resources:**

The non-selected system has the potential to harness energy from the burning of waste. However, the non-selected system will also decrease the amount of resource recovery and reuse occurring within the County, both of which reduce the amount of energy put into production of new goods.

# **Technical Feasibility:**

The design and construction of a new incinerator/waste-to-energy facility is a technically feasible option for County solid waste disposal.

# **Public Acceptance:**

Monroe County has long been viewed as progressive concerning matters of the environment, and residents within the County expect a certain level of environmental improvement. However, large-scale incineration does not achieve this level because it does not provide any enhancements to the current system and because it is expected to degrade air, water, and land quality throughout the County. Therefore, this system would most likely be met with skepticism and strong opposition.

# ALTERNATIVE #2: LARGE SCALE INCINERATION OR WASTE TO ENERGY

Another alternative that was considered and subsequently discarded was plasma arc destruction of waste. This option is not viable in Monroe County for various reasons, but primarily because the commercial capability of this technology to achieve the ongoing destruction of the waste at the suggested tip fee has not been proven at a representative scale.

Plasma arc technology uses electrical energy to heat plasma gases to super hot temperatures to decompose solid material into solid material (slag) and gases. Temperatures can range from 1000 to 15,000 degrees Celsius. Although there have been many attempts to commercialize this technology for use in solid waste management in the U.S. there are no full scale plasma arc facilities yet operating here.

SunCrest's arguments for siting their facility in Monroe (indeed anywhere in Michigan) focus primarily on utilizing trash as a renewable resource and producing green power from "syn" gas. The June 28, 2008 article in the Monroe Evening News suggests that the primary obstacle to development of the half a billion dollar, 500 MW plant in Monroe County is the lack of a power purchase agreement which would supply an essential part of the revenue stream for the plant.

The primary problem with this technology is that plasma arc is still largely a laboratory experiment and unproven in "real" world situations. There is indication that contrary to its developers' claims, plasma actually produces the same toxic air emissions that occur with incineration. For instance, dioxin will form in stacks where chlorine is present, regardless of whether the process is fueled by combustion or electricity. Furthermore, the reported intense heat will not destroy heavy metals, such as lead, cadmium, mercury or chromium. Instead and perhaps worse, they will be vaporized, making them far more difficult to capture with pollution control devices. Similarly, leaching tests have not been performed on the slag, leaving observers wondering how "encapsulated" the contaminants contained within remains.

The slag by-product from plasma destruction will most likely require landfilling, and will compose a substantial fraction of solid waste stream by volume. Air pollution and odor problems can be further reduced through more technology refinement and testing at a commercially viable scale.

# Advantages

- Electricity or steam is produced, helping to offset operational and maintenance costs
- · Minimal land requirements

# Disadvantages

- · Insufficient commercial operation history
- · Particulates and toxic fume emissions contribute to air pollution

#### APPENDIX

- The cost-effectiveness of energy generation has not been proven
- · Public sentiment against burners of all types can make siting and development difficult
- · Environmental hazards associated with the slag
- · Design, operational procedures, and site development are complex under present regulations

#### **SYSTEM COMPONENTS:**

The following briefly describes the various components of the non-selected system.

# **RESOURCE CONSERVATION EFFORTS:**

This system's primary focus is on plasma arc destruction, but some green power and/or syn fuel is produced.

# **VOLUME REDUCTION TECHNIQUES:**

This system utilizes plasma arc destruction as a volume reduction technique. Plasma arc destruction is viewed as a very effective way to reduce the volume of municipal solid waste.

# **RESOURCE RECOVERY PROGRAMS:**

Although the plasma destruction of waste can be utilized to capture energy, higher value end use practices such as reduction, reuse, and recycling are not utilized.

# **COLLECTION PROCESSES:**

Each municipality in the County is responsible for coordinating its own collection of disposable and recyclable materials. This can be done by either the municipality itself, or through a private waste hauler.

# TRANSPORTATION:

Municipalities and/or individuals coordinate transportation of municipal solid waste. Transportation can be provided by the municipality, or by the contracted private waste hauler. Large-scale plasma arc destruction eliminates the need for transportation to locations other than the facility.

# **DISPOSAL AREAS:**

The majority of Monroe County's municipal solid waste is disposed of at the Carleton Farms Landfill in Wayne County. However, disposal areas in various other counties are also utilized. This system would create lower disposal requirements because of the large-scale waste reduction provided by plasma arc destruction.

# **INSTITUTIONAL ARRANGEMENTS:**

Currently, solid waste management is shared between the public, private, and non-profit sectors. In the case of this alternative, current collection, processing, and disposal infrastructure will need to be reduced and/or modified to accommodate a plasma arc system.

# **EDUCATIONAL AND INFORMATIONAL PROGRAMS:**

Educational efforts, focused primarily on recycling and composting, are in practice throughout the County. Because the non-selected system does not utilize recycling and composting, current educational programs need to be modified to reflect the new plasma arc destruction program component.

# **CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:**

There are currently no large scale, licensed, and permitted plasma arc facilities operating within the County. Siting, developing, and operating a new facility would be cost prohibitive.

# **EVALUATION SUMMARY OF NON-SELECTED SYSTEM:**

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation for why this system was not chosen for implementation.

# **Human and Environmental Health:**

The non-selected system is based on plasma arc destruction, which diverts items from landfill disposal. The decrease in landfilled items reduces the need for additional landfill space. However, plasma arc destruction has raised concerns about the levels of toxic materials emitted by the process and the levels of heavy metals found in the slag, and the resulting decrease in ambient air quality.

# **Economics:**

The non-selected system has not been proven at a commercial operating scale to be an economically feasible option for the County due to the high cost of siting, constructing, and operating a new plasma facility. Plasma destruction also greatly reduces the market for recovered materials, causing this sector of the County's economy to weaken.

# **Transportation:**

The non-selected system will not demand an increase in the County's transportation infrastructure.

#### **APPENDIX**

# Siting:

The non-selected system will require the siting and development of a new facility.

# **Energy Resources:**

The non-selected system will harness energy from the burning of waste. However, the non-selected system will also decrease the amount of resource recovery and reuse occurring within the County, both of which reduce the amount of energy put into production of new goods. On balance, more energy would be saved in the system if a resource recovery and reuse approach were followed instead of a plasma destruction approach.

# **Technical Feasibility:**

The design and construction of a new plasma arc facility has not been proven to be a technically feasible option for County solid waste disposal.

# **Public Acceptance:**

Monroe County has long been viewed as progressive concerning matters of the environment, and residents within the County expect a certain level of environmental improvement. However, plasma arc destruction does not achieve this level because it does not provide any enhancements to the current system and because it is expected to degrade air, water, and land quality throughout the County. Therefore, this system would most likely be met with skepticism and strong opposition.

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# APPENDIX C: PUBLIC PARTICIPATION AND APPROVAL

The following summarizes the processes which were used in the development and local approval of the Plan including a summary of the public participation in those processed, 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.

Included are the minutes for each of the public meetings of the committee. Notices and agendas for each meeting were posted and sent to all Monroe County municipalities, local media and the individuals who requested to receive notification. Minutes of all meetings are on file within the plan repository. All information related to the development of the amendment and copies of the plan are publicly available at the Monroe County Health Department, 2353 South Custer Road, Monroe, MI 48161.

Notice of the Public Hearing was posted and published as required.

A copy of the draft plan was sent to the MDEQ, local municipalities, bordering counties and those who have expressed interest in receiving the plan.

The entire amendment process followed the process set forth by the state.

# PLANNING COMMITTEE APPOINTMENT PROCEDURE:



2353 South Custer Rd Monroe, MI 48161 Phone: (734) 240-7909 Fax: (734) 240-7948 Monroe County Health Department Solid Waste Coordinator

**TO:** Chair William Sisk, Monroe County Board of Commissioners

**FROM:** Rebecca A. Head, Health Officer/Director

**DATE:** March 16, 2009

**SUBJECT:** Request to consider Open and Update Monroe County's Solid Waste Management Plan

#### **REQUEST:**

By way of this memorandum, I am asking that the Board of Commissioners (BOC) formally consider opening the 2001 Monroe County Solid Waste Management Plan (the Plan) for update. Opening the Plan will begin the update process.

#### **BACKGROUND:**

The County's current Plan was adopted in 2001. Since that time, the Plan has been opened and amended two times to accommodate requests from solid waste companies, operating in the County, and upon direction of the Michigan Department of Environmental Quality (MDEQ) to do so. It is the opinion of staff that an update to the Plan is necessary, so to continue solid waste programming that addresses current conditions and prepares, efficiently and effectively, for the County's future solid waste management needs.

Budgetary and staffing circumstances within the State agency (Michigan Department of Environmental Quality/MDEQ) solid waste offices preclude knowing when official notification will occur, that directs counties to prepare and update solid waste plans. MDEQ is now significantly past the 5 year cycle of initiating regular plan updating. Therefore, our request is to commence updating the Plan on our own, again so to ensure that County current and future solid waste planning needs and conditions are met.

The chronological update process calls several steps in the following order:

- 1. review by the BOC-appointed,;
- 2. Solid Waste Planning Committee, Board approval of the update;
- 3. approval by at least two-thirds (2/3) of the municipalities; and
- 4. submission of the updated Plan document to the MDEQ for final review and approval.

Public forums, as required by law and regulations, will be scheduled during this process.

#### ACTION:

Hence, we request the BOC forward this to the Physical Resources Committee for review and recommendation so that this issue can then go to the full Board for its review. Thank you for your consideration in this matter.

C: Charles A. Londo, County Administrator/CFO



2353 South Custer Rd Monroe, MI 48161 Phone: (734) 240-7909 Fax: (734) 240-7948

# Monroe County Health Department Solid Waste Coordinator

**TO:** Chair William Sisk, Monroe County Board of Commissioners

FROM: Rebecca A. Head, Health Officer/Director

**DATE:** April 5, 2010

**SUBJECT:** Request to Reappoint Members to the Monroe County Solid Waste Management

Planning Committee

# **REQUEST:**

By way of this memorandum, I am asking that the Board of Commissioners (BOC) consider reappointment of past members to Monroe County Solid Waste Management Planning Committee (Committee). The attached document lists the individuals and/or represented organizations previously on the Committee. The Committee has been involved in and will continue to undertake the task of preparing an update to the 2001 Monroe County Solid Waste Management Plan (the Plan).

# **BACKGROUND:**

At its March 24, 2009 BOC meeting, the BOC approved to open the County's current Solid Waste Plan that was last updated in 2001. An update to the Plan was deemed necessary to assure that the County's solid waste programs would address present conditions while efficiently and effectively preparing for the future solid waste management needs of the County.

Per State of Michigan law and rules, the chronological revision process calls for review by the BOC-appointed, Solid Waste Planning Committee, Board approval of the amendments and approval by at least two-thirds (2/3) of the municipalities in the County. Throughout most of the process, public forums are required and scheduled.

The final, revised Plan document is submitted to the Michigan Department of Natural Resources & Environment/MDNRE for a final review and approval.

Solid Waste Planning Committee members, previously appointed by the BOC for terms soon to end, have accomplished much but not all of the work necessary to complete the Plan update.

# **ACTION:**

Hence, we request the BOC reappoint the past Committee members (refer to the attached list), therefore allowing the update process to continue. Thank you for your consideration in this matter.

C: Royce Maniko, County Administrator/CFO

# **Solid Waste Management Planning Committee**

# 2 Representatives Environmental Interest Group:

# 1. City of Monroe Council on the Environment -Dan Stefanski - Chair

2. IHM – Sister Janet Ryan

# 4 Representatives Solid Waste Management Industry:

- 1. Allied Waste/Republic David Vossmer, (alternate John Stark)
- 2. DTE Claire Jennings
- 3. Consumers Power Robert Strugarek (alternate Rose J Voss)
- 4. Regulated Resource Recovery Nick Straub

# **1 Representative County Government:**

Monroe County Commissioner - R. LaMar Frederick (alternate)

# 1 Representative City Government:

City of Monroe - Mayor (alternate - Barry LaRoy)

# 1 Representative Township Government:

Berlin Township Supervisor - Richard Reed (alternate)

# 1 Representative Regional Solid Waste Planning Agency:

SEMCOG - Bill Parkus (alternate)

# 1 Representative Industrial Waste Generator:

Global Engine Manufacturing Alliance - Gerald Greer

# 3 Representatives general public:

- 1. Jim Neorr Vice Chair
- 2. Bill Terry
- 3. Donna Lark

# **Ad Hoc Members:**

TMACOG - Kurt Erichsen

The Monroe County Board of Commissioners has appointed the members of this Committee. The State of Michigan, according to the requirements of Part 115, Solid Waste Management (Part 115), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) and rules promulgated thereunder determines the categories and number of representatives required to represent each category. For more information please visit <a href="https://www.deg.state.mi.us/documents/deg-wmd-swp-Part115.pdf">www.deg.state.mi.us/documents/deg-wmd-swp-Part115.pdf</a>.

Jamie Doan



# **Monroe County**

# **Board of Commissioners**

Monroe County Courthouse 125 East Second Street Monroe, Michigan 48161-2197 Telephone: 734.240,7003 – Fax: 734.240,7004 William Sisk, Chairman – Dale Zorn, Vice-Chairman Vickie Koczman, Deputy Clerk

May 3, 2010

Rebecca Head, Health Officer

Dear Rebecca:

At a Regular Meeting of the Monroe County Board of Commissioners held on Tuesday, April 13, 2010, the Board confirmed the appointment of members to the Monroe County Solid Waste Management Planning Committee.

Sincerely,

Vickie Koczman, Deputy Clerk

Monroe County Board of Commissioners



Kim Comerzan, R.N., B.S.N. Carl J. Schmidt, MD, MPH Health Officer/Director Chief Medical Examiner/Director

March 21, 2012

Chairman, R. LaMar Frederick Monroe County Board of Commissioners 125 E. Second St. Monroe, MI 48161

Dear Chairman Frederick:

By way of this letter, I am requesting that the Board of Commissioners (BOC) consider reappointment of members to the Monroe County Solid Waste Management Planning Committee (Committee) to a two year term. The attached document lists the individuals and/or represented organizations previously on the Committee. The Committee has been involved in and will continue to undertake the task of preparing an amendment to the 2001 Monroe County Solid Waste Management Plan (the Plan).

At its March 24, 2009 BCC meeting, the BOC approved to open the County's current Solid Waste Plan that was last updated in 2001. An amendment to the Plan was deemed necessary to assure that the County's solid waste programs would address present conditions while efficiently and effectively preparing for the future solid waste management needs of the County.

Per State of Michigan law and rules, the chronological revision process calls for review by the BOC-appointed, Solid Waste Planning Committee, Board approval of the amendments, and approval by at least two-thirds (2/3) of the municipalities in the County. Throughout the process, public forums are required and scheduled. The final, revised Plan document is submitted to the Michigan Department of Environmental Quality (MDEQ) for a final review and approval.

Solid Waste Planning Committee members, previously appointed by the BOC for terms soon to end, have accomplished much but not all of the work necessary to complete the Plan amendment.

Hence, we request to be added to the agenda for a Board of Commissioners meeting at your earliest convenience and that the BOC reappoint the Committee members (refer to the attached list) for a two year term, therefore allowing the amendment process to continue in an efficient manner. Thank you for your consideration in this matter.

Sincerely,

Kim Comerzan, R.N., B.S.N.

C: Royce Maniko, County Administrator/CFO

Commissioner Jason Sheppard

Attachment

2353 S. Custer Road Monroc, Michigan 48161-9769 · (734) 240-7800 · Toll Free (888) 354-5500 · Fax (734) 240-7816 · www.co.monroe.mi.us/publichealth

# Solid Waste Management Planning Committee

# 2 Representatives Environmental Interest Group:

- 1. City of Monroe Council on the Environment -Dan Stefanski
- 2. IHM Jeff Ceo (alternate Jackie Willis)

# 4 Representatives Solid Waste Management Industry:

- 1. Allied Waste Dave Vossmer (alternate John Stark)
- 2. DTE Claire Jennings
- 3. Consumers Power Robert Strugarek (alternate Rose J Voss)
- 4. Regulated Resource Recovery Nick Straub (alternate)

#### 1 Representative County Government:

Monroe County Commissioner - R. LaMar Frederick (alternate)

#### 1 Representative City Government:

City of Monroe - Mayor (alternate - Barry LaRoy)

# 1 Representative Township Government:

Berlin Township Supervisor - Richard Reed (alternate)

# 1 Representative Regional Solid Waste Planning Agency:

SEMCOG - Bill Parkus (alternate)

#### 1 Representative Industrial Waste Generator:

Chrysler Dundee Engine Plant - Kevin Sugar (alternate - Adessa Thomas)

# 3 Representatives general public:

- 1. Jim Neorr
- 2. Bill Terry
- 3. Donna Lark

# Ad Hoc Members:

TMACOG - Kurt Erichsen

The Monroe County Board of Commissioners has appointed the members of this Committee. The State of Michigan, according to the requirements of Part 115, Solid Waste Management (Part 115), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) and rules promulgated thereunder determines the categories and number of representatives required to represent each category. For more information please visit www.deq.state.mi.us/documents/deq-wmd-swp-Part115.pdf.

Committee Appointed 4/2012 - 4/2014

# AGENDA MONROE COUNTY BOARD OF COMMISSIONERS RESCHEDULED REGULAR MEETING

TUESDAY, APRIL 3, 2012 – 7:00 P.M. 125 E. SECOND STREET MONROE, MI 48161 (734) 240-7003

- I. CALL TO ORDER
- II. ROLL CALL
- III. PLEDGE OF ALLEGIANCE

Chairman R. LaMar Frederick

- IV. OPENING PRAYER
- V. APPROVAL OF AGENDA
- VI. APPROVAL OF MINUTES (03/13/12 Regular Meeting)
- VII. RESOLUTIONS, SPECIAL TRIBUTES & PRESENTATIONS
  - MSU Extension Program Updated Report Matthew Shane, District 12 Coordinator, MSU Extension.
  - Monroe County Central Dispatch 2011 Annual Report Alan D. Frank, Director, Monroe County Central Dispatch.
  - Presentation by Julie Montri, Director, Employment & Training and Rob Peven, Director, Planning regarding Comprehensive Employment Strategy for Monroe County, Michigan Report.

# VIII. CONSENT AGENDA

- 1. Finance Committee Report (03/13/12)
  - A. The Finance Committee recommends to the full board to transfer \$21,000 from the Retiree Health Care Fund for 2012 educational conferences, travel and MAPERS membership fees for the Retiree Health Care Board members.
  - B. The Finance Committee recommends to the full board to appropriate an additional \$6,544.00 to the Clerk's Office to hire a co-op student with funding from the General Fund Contingency Account.
  - C. The Finance Committee recommends to the full board to appropriate \$16,799.00 from the General Fund Contingency Account to fully fund the County's Drains at Large 2012 obligation.

- D. The Finance Committee recommends to the full board to approve the Sheriff's Office submitting a 2012 COPS Hiring Program Application to rehire three (3) laid off Deputy Sheriff's to increase community policing capacity, problem solving and crime preventions efforts through hiring and rehiring of full-time sworn law enforcement officers and if the grant is awarded to the County, the Sheriff's Office shall come back to the Finance Committee to consider appropriating the 25% matching portion of the grant.
- 2. Monroe Community Mental Health Authority Report (03/28/12)
  - A. The Monroe Community Mental Health Authority recommends to the full board to re-appoint Charles Londo, Sandy Libstorff and LaMar Frederick to the Monroe Community Mental Health Authority; terms expiring March 31, 2015.
- 3. Approval of Non-Claims:
  - A. Check Register dated 03/16/12 in the amount of \$1,179,412.84.
  - B. Check Register dated 03/23/12 in the amount of \$645,981.28.
  - C. Check Register lated 03/30/12 in the amount of \$971,775.11.

#### IX. COMMUNICATIONS

#### Board Action:

- Consideration of approving the 03/28/12 Accounts Payable Current Claims Report in the amount of \$842,556.58.
- Consideration of adopting a resolution to authorize payment to County Treasurer's Office in connection with General Obligation Limited Tax Notes, Series 2012, not to exceed \$8,000,000.
- Consideration of adopting a resolution to borrow against anticipated delinquent 2011 taxes.
- 4. Consideration of adopting a resolution authorizing the Board of County Road Commissioners to issue Michigan Transportation Fund Notes not to exceed \$700,000 to perform three road improvement projects for Whiteford Township: 1) Clark Road from Yankee Road to Old US 223, 2) Yankee Road from Clark Road to County Line Road and 3) Sterns Road from Whiteford Center Road to Adler Road.
- Letter from Michelle Dugan, Executive Director, Monroe County Chamber of Commerce requesting approval to appoint Patrick Ferguson, Manager, Safety and Human Resources, Ventower to the Southeastern Michigan Community Alliance (SEMCA) Workforce Board; term expiring December 31, 2014.
- Letter from Kim Comerzan, Health Officer/Director, Health Department requesting approval to re-appoint members for an additional two-year term to the Monroe County Solid Waste Management Planning Committee:

#### 2 Representatives Environmental Interest Group:

- City of Monroe Council on the Environment –Dan Stefanski
- 2. IHM Jeff Ceo (alternate Jackie Willis)

# 4 Representatives Solid Waste Management Industry:

- 1. Allied Waste Dave Vossmer (alternate John Stark)
- 2. DTE Claire Jennings
- 3. Consumers Power Robert Strugarek (alternate Rose J Voss)
- 4. Regulated Resource Recovery Nick Straub (alternate)

# 1 Representative County Government:

Monroe County Commissioner - R, LaMar Frederick (alternate)

#### 1 Representative City Government:

City of Monroe - Mayor (alternate - Barry LaRoy)

#### 1 Representative Township Government:

Berlin Township Supervisor - Richard Reed (alternate)

#### 1 Representative Regional Solid Waste Planning Agency:

SEMCOG - Bill Parkus (alternate)

#### 1 Representative Industrial Waste Generator:

Global Engine Manufacturing Alliance - Kevin Sugar (alternate - Adessa Thomas)

#### 3 Representatives general public:

- 1. Jim Neorr
- 2. Bill Terry
- Donna Lark

# Ad Hoc Members:

TMACOG - Kurt Erichsen

- Letter from Rob Peven, Director, Planning requesting approval to appoint Tim Lake, President, Monroe County Industrial Development Corporation as the Economic Development representative and Dan Swallow, Director of Community Development, City of Monroe to the Monroe County Comprehensive Economic Development Strategy Committee.
- Consideration of entering into the Monroe County Economic Development Corporation Streamlining Development Partnership Pledge to promote economic development in Monroe County.
- 9. Memorandum from Major David Thompson requesting approval to submit a U.S. Department of Homeland Security and FEMA FY2012 Operation Stonegarden grant application to enhance cooperation and coordination among international, federal, state, county and local law enforcement agencies to secure the United States northern border with no local match.

- Consideration of ratifying the County of Monroe, the Monroe County Prosecutor and the Monroe County Assistant Prosecutors Association (9 members) employment contract effective April 3, 2013 through December 31, 2014.
- Consideration of adopting County Policy 439.1 Wireless Access to Internet and discussion of security process.

# Information:

- Letter from Aundrea Armstrong, Deputy Director, Human Resources regarding the County sponsoring a Wellness Day on May 17, 2012.
- 2. First quarter 2012, Monroe County Wellness News.
- 3. Monroe County Planning Department and Commission 2011 Annual Report.

# X. PUBLIC HEARINGS

#### XI. OLD BUSINESS

- Proposed changes to the Solid Waste Hauler Licensing and Waste Generator Fee
  Ordinance and Solid Waste Funding Resolution referred to Physical Resources
  Committee.
- 2013 post retirement benefit (13<sup>th</sup> check) June, 2012.
- 3. Dental Clinic Agreement.
- 4. Self-Help Program.
- 5. Personal Property Tax Revenue.
- Privacy & Security Policies and Procedures Health Insurance Portability and Accountability Act of 1996 ("HIPPA").

#### XII. NEW BUSINESS

XIII. CITIZENS TIME

(Per Board resolution; effective April 3, 2012)

- Media presentations are prohibited, i.e., movies, etc.
- Shall deliver (12) printed copies of material to be distributed
- XIV. ANNOUNCEMENTS
- XV. ADMINISTRATOR'S REPORT
- XVI. MEMBERS TIME
- XVII. ADJOURNMENT

The County of Monroe will provide necessary auxiliary aids and services, such as signers for the learning impaired and audiotapes of printed materials being considered at the meeting to individuals with disabilities at the meeting upon one week's notice to the County of Monroe. Individuals with disabilities requiring auxiliary aids or services should contact the County of Monroe by writing or calling the following:

Hurnan Resources - 125 East Second Street, Monroe, MT 48161 - Voice (734) 240-7295 and TDD (734) 240-7300



Kim Comerzan, MSN, RN, CNS Health Officer/Director Carl J. Schmidt, MD, MPH Chief Medical/Examiner/Director

March 26, 2014

Chairman, Jerry Oley Monroe County Board of Commissioners 125 E. Second St. Monroe, MI 48161

Dear Chairman Oley:

By way of this letter, I am requesting that the Board of Commissioners (BOC) consider reappointment of members to the Monroe County Solid Waste Management Planning Committee (Committee) to a two year term. The attached document lists the individuals and/or represented organizations previously on the Committee. The Committee has been involved in and will continue to undertake the task of preparing an amendment to the 2001 Monroe County Solid Waste Management Plan (the Plan).

At its March 24, 2009 BOC meeting, the BOC approved to open the County's current Solid Waste Plan that was last updated in 2001. An amendment to the Plan was deemed necessary to assure that the County's solid waste programs would address present conditions while efficiently and effectively preparing for the future solid waste management needs of the County.

Per State of Michigan law and rules, the chronological revision process calls for review by the BOC-appointed, Solid Waste Planning Committee, Board approval of the amendments, and approval by at least two-thirds (2/3) of the municipalities in the County. Throughout the process, public forums are required and scheduled. The final, revised Plan document is submitted to the Michigan Department of Environmental Quality (MDEQ) for a final review and approval.

Solid Waste Planning Committee members, previously appointed by the BOC for terms soon to end, have accomplished much but not all of the work necessary to complete the Plan amendment.

Hence, we request to be added to the agenda for a Board of Commissioners meeting at your earliest convenience and that the BOC reappoint the Committee members (refer to the attached list) for a two year term, therefore allowing the amendment process to continue in an efficient manner. Thank you for your consideration in this matter.

Sincerely,

Kim Comerzan, MSN, RN, CNS Health Officer/Director

Attachment

2353 S. Custer Road Monroe, Michigan 48161-9769 · (734) 240-7800 · Toll Free (888)354-5500 · Fax (734) 240-7816 · www.co.monroe.mi.us/publichealth

# Solid Waste Management Planning Committee

# 2 Representatives Environmental Interest Group:

- City of Monroe Council on the Environment –Dan Stefanski
   IHM Jackie Willis

# 4 Representatives Solid Waste Management Industry:

- 1. Allied Waste John Stark (alternate Chris Jones)
- 2. DTE Atira Mabin (alternate Kelly Johnson)
- 3. Consumers Power Robert Strugarek (alternate Rose J Voss)
- 4. Regulated Resource Recovery Nick Straub (alternate)

# 1 Representative County Government:

Monroe County Commissioner - Gary Wilmoth (alternate)

# 1 Representative City Government:

City of Monroe - Mayor (alternate - Barry LaRoy)

# 1 Representative Township Government:

Berlin Township Supervisor - Karl Reaume (alternate)

# 1 Representative Regional Solid Waste Planning Agency:

SEMCOG - Bill Parkus (alternate)

# 1 Representative Industrial Waste Generator:

Chrysler Dundee Engine Plant - Shelly Elisech (alternate - Adessa Thomas)

# 3 Representatives general public:

- 1. Jim Neorr
- 2. Bill Terry
- 3. Donna Lark

#### Ad Hoc Members:

TMACOG - Kurt Erichsen

The Monroe County Board of Commissioners has appointed the members of this Committee. The State of Michigan, according to the requirements of Part 115, Solid Waste Management (Part 115), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) and rules promulgated thereunder determines the categories and number of representatives required to represent each category. For more information please visit www.deq.state.mi.us/documents/deq-wmd-swp-Part115.pdf.

Committee Appointed 4/2014 - 4/2016

5.2015

Monroe County Board of Commissioners
Regular Meeting Minutes
April 15, 2014
Page I

- I. A Regular Meeting of the Monroe County Board of Commissioners was held in the Board Chambers in the City of Monroe on Tuesday, April 15, 2014, the meeting was called to order by Chairman Oley at 7:05 p.m.
- II. Roll call by Clerk as follows:

PRESENT

ABSENT

David Hoffman Jerry Oley
Mark Brant Jon Cook
Al Potratz Jason Sheppard
Robert Lambert Henry Lievens
Jason Turner

A quorum being present, the Board proceeded to transact business.

- III. Commissioner Turner led the Pledge of Allegiance.
- Audrey Lewis, Deputy Clerk, Monroe County Board of Commissioners led the Opening Prayer.
- V. APPROVAL OF AGENDA

Motion by Commissioner Potratz to approve the agenda as presented. Supported by Commissioner Lambert to amend the agenda, removing item #3 listed under Communications / Board Action. Commissioner Potratz agreed to the amendment.

Commissioner Sheppard commented that if there was anyone that was in the audience that came to the meeting to speak on behalf of the item removed, that they would still like to hear the comments pertaining to that item.

Commissioner Lievens said that would be in first public comment section of the meeting.

Commissioner Lambert said that the item has been removed so that the commissioners can obtain more information and have time to review.

Roll call by Clerk as follows:

AYES

NAY ABSENT

David Hoffman Jerry Oley
Mark Brant Jon Cook
Al Potratz Jason Sheppard
Robert Lambert Henry Lievens
Jason Turner

 Motion by Commissioner Turner, Supported by Commissioner Sheppard to approve the minutes as presented for Tuesday, April 1, 2014 Regular Meeting and waive the reading of the minutes.

Oral vote as follows:

Motion carried.

Hoffman – Aye Lambert – Aye Cook – Aye
Brant – Aye Turner – Aye Sheppard – Aye
Potratz – Aye Oley – Aye Lievens – Aye
Motion carried.

VII. PUBLIC COMMENT – Paul Marks, Ida, MI – Representative / Farm Bureau, Tom Woelmer, Raisinville Twp, MI and Sharon Sahloff, Whiteford Twp all spoke on behalf of the 4H program.

Discussion followed pertaining to the 4H program and their thoughts regarding the program.

Monroe County Board of Commissioners Regular Meeting Minutes April 15, 2014

Jeanne Micka, extended invitation to the Commissioners regarding upcoming events in the community.

#### VIII. RESOLUTION, SPECIAL TRIBUTES & PRESENTATIONS

1. Resolution recognizing May as Motorcycle Awareness Month

Deputy Clerk read the resolution into record. Resolution presented to Adam 'Smash' Thorn / ABATE member, by Commissioner Lievens and Commissioner Lambert.

Mr. Thorn spoke on behalf of ABATE and accepted the resolution presented.

Motion by Commissioner Lievens, supported by Commissioner Lambert to approve the resolution recognizing May as Motorcycle Awareness Month.

Roll call by Clerk as follows:

AYES

NAY

ABSENT

David Hoffman Mark Brant Al Potratz

Jerry Oley Jon Cook Jason Sheppard

Robert Lambert Jason Turner

Henry Lievens

Motion carried.

2. Resolution recognizing the Milan High School Boys Varsity Basketball Team on winning the 2014 Class B State Championship.

Motion by Commissioner Brant, supported by Commissioner Potratz to approve the resolution recognizing the Milan High School Boys Varsity Basketball Team.

Roll call by Clerk as follows:

AYES

NAY

ABSENT

David Hoffman Mark Brant

Jerry Oley Jon Cook

Al Potratz Robert Lambert Jason Sheppard Henry Lievens

Jason Turner Motion carried.

Tribute from State Representative Bill LaVoy recognizing the Monroe County Library System on its 80<sup>th</sup> year of service.

Representative Lavoy presented Tribute recognizing the Monroe County Library System on its 80<sup>th</sup> year of service. Nancy Bellaire, Monroe County Library Director, Laurence Gregory, Vice Chairman, Monroe County Library Board, accepted the tribute and spoke on behalf of the library.

Motion by Commissioner Lambert, supported by Commissioner Sheppard to approve the tribute recognizing the Monroe County Library System on its 80th year of service.

Roll call by Clerk as follows:

AYES

NAY

ABSENT

David Hoffman

Jerry Oley

Mark Brant Al Potratz

Jon Cook Jason Sheppard Henry Lievens

Robert Lambert Jason Turner

Motion carried.

Monroe County Board of Commissioners Regular Meeting Minutes April 15, 2014 Page 3

#### IX. CONSENT AGENDA

- 1. Finance Committee Report (4/15/2014)
  - A. The Finance Committee recommends to the Full Board to approve the 4/16/2014 Accounts Payable Current Claims Report in the amount of \$586.260.33
- 2. Approval of Non-Claims
  - A. Check Register dated 04/04/2014 in the amount of \$1,599,203.38
  - B. Check Register dated 04/11/2014 in the amount of \$1,237,169.27

Motion by Commissioner Lambert, supported by Commissioner Sheppard to approve the Consent agenda as presented.

Roll call by Clerk as follows:

AYES

NAY

ABSENT

David Hoffman Jerry Oley
Mark Brant Jon Cook
Al Potratz Jason Sheppard
Robert Lambert Henry Lievens

Jason Turner Motion carried.

#### X. COMMUNICATIONS

Board Action:

 Letter from Chairman Oley dated April 9, 2014 recommending appointments to the Monroe County Solid Waste Planning Committee for two (2) year terms ending April 30, 2016.

Motion by Commissioner Lievens, supported by Commissioner Lambert to confirm the recommendation of appointments to the Monroe County Solid Waste Planning Committee for terms ending April 30, 2014.

Oral vote as follows:

Hoffman – Aye Lambert – Aye Cook – Aye
Brant – Aye Turner – Aye Sheppard – Aye
Potratz – Aye Oley – Aye Lievens – Aye
Motion carried.

 Letter from Chairman Oley dated April 9, 2014 recommending appointments to the Monroe County Community Mental Health Authority Board for three (3) year terms ending March 31, 2017

Motion by Commissioner Brant, supported by Commissioner Sheppard to confirm the recommendation of appointments to the Monroe County Community Mental Health Authority for terms ending April 30, 2014.

Oral vote as follows:

Oral vote as follows:

Hoffman – Aye

Brant – Aye

Potratz – Aye

Motion carried.

Lambert – Aye

Cook – Aye

Sheppard – Aye

Lievens – Aye

Lievens – Aye

# XI. PUBLIC HEARINGS - None

#### XII. OLD BUSINESS - None

XIII. NEW BUSINESS - Commissioner Lievens said that he would like to include discussion on options regarding the road commission on the next regularly scheduled Board Meeting.

Monroe County Board of Commissioners Regular Meeting Minutes April 15, 2014

- XIV. PUBLIC COMMENT William Mattson, Gloria Rafko and Susan Fortney, Monroe Community Mental Health Authority (MCMHA) all thanked the Board of Commissioners for their reappointments to the MCMHA Board.
- XV. ANNOUNCEMENTS None
- XVI. MEMBERS TIME Commissioner Hoffman - pass

Commissioner Sheppard - pass

Commissioner Cook -- pass

Commissioner Brant - pass

Commissioner Turner - said that there will be a lot of thought regarding 4H and the decisions that will be made. He also thanked Nancy Bellaire and everyone that supports our library system in the county.

Commissioner Potratz - pass

Commissioner Lievens - said that he is also dedicated to the 4H program.

Commissioner Lambert - also said that he has questions and concerns regarding the decisions that need to be made with the 4H program and he will be reviewing the information prior to the next Board meeting.

Chairman Oley - pass

XVII. Motion by Commissioner Turner, supported by Commissioner Sheppard to adjourn. Motion carried. The meeting was adjourned at 7:42 p.m.

Jerry A. Oley, Chairman

Sharon D. Lemasters, Monroe County Clerk

# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Welcome, Introductions, Determine Quorum and Call Meeting to Order:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

**PRESENT:** Kurt Erichsen, Gerald Greer, Roger Homrich, Claire Jennings,

Donna Lark, Barry LaRoy, Michelle Marion, Bill McDonough, Jim Neorr, Bill Parkus, Sister Janet Ryan, Richard Reed, Dan Stefanski,

Bill Terry, Commissioner Connie Velliquette

**ABSENT:** None

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Approve Minutes from February 4<sup>th</sup>, 2009 meeting -** Motion by Bill Terry to approve the February 4, 2009 Minutes as presented. Support by Connie Velliquette. Motion carried.
- **3. Update on Committee Activities** Jamie Dean notified the Board that the Solid Waste Management Plan was officially opened in April 2009, and therefore, has begun the process of updating the Plan.
- 4. Plan Review Process Maureen Pfund reviewed the process for updating the Plan. The first step is to develop an approved draft. This will most likely be accomplished in May, June and July 2009. Next, there will be a public comment period. Thereafter, the Plan will be "messaged" to incorporate considerations noted throughout the public comment period. The updated Plan will then go to the Monroe County Board of Commissioners for their approval, and then to each of the municipalities for their approval. We are seeking at least 67% approval from the municipalities. Lastly, it is anticipated in early 2010 that the Plan will be forwarded to the State of Michigan for final approval.
- **5. Draft Solid Waste Plan** Marty Seaman, Consultant from Resource Recycling Systems reviewed the current Plan to show the Committee where we currently are with the draft. Mr. Seaman will be forwarding a copy of the draft Plan to all Committee members electronically.

The main reason to amend the Plan is to include identify new goals, facilities, technologies and, in general, to pull together and clarify the information that is currently

in the old Plan. A fair amount of time was spent on the Executive Summary for this reason. Next he talked about the Data Base and the number of steps needed to update. To be taken into consideration are the demographics, numbers generated from current Plan, haulers and services. A questionnaire will be distributed to garner this information. Bill McDonough felt it would be helpful to include the actual construction permits in the new Plan. Mr. Seaman said the State doesn't want this included, however, it could be cited as an Appendix. The import/export process must be addressed. Mr. Seaman stated we want to verify at least where we're currently at and note any changes that have been made since the last Plan was approved. The Committee should try to make facility descriptions as detailed as possible, keeping in mind that the State does not want too much detail. Royce Maniko noted that this would include all <u>regulated</u> facilities.

Another major area to be updated is the site and review procedure. Last time the Plan was updated a technical review panel was included but rejected by the State. Maureen Pfund would like to try and include a provision for a technical review panel in the updated Plan. Roger Homrich asked if a "matrix" will be provided so that the Committee is consistent in its review process with what is and is not allowed by the State. Marty Seaman said this Committee can create By-Laws that allow for a "short cut" but still go through the process. Mr. Homrich again stated that this Committee is in need of a "prescreening" mechanism that they can be given up front so that they are aware of State requirements. Dan Stefanski reiterated the need for a technical review panel, noting it would be a shame to put a small user through a 2-3 year process, with the entire Committee. A technical review panel would eliminate that.

Next, Mr. Seaman talked about identification of responsible parties. He said the Committee will be formulating the same information as last time, but asked them to be "the same, but better" in their analysis.

Lastly, appendices and attachments were discussed. Mr. Seaman talked about how each appendix is valued and described the various attachments. At the conclusion of this presentation, Bill McDonough asked that the Committee be prepared to revisit the Wayne County to Monroe County issue from several years ago, as he felt this should be addressed.

6. Public Discussion/Comment - Chairman Stefanski called for any public discussion and/or comments. Jim Neorr stated his concern when citing a "host committee". Sometimes the host committee does not take into consideration the impact that an adjoining community may encounter. He would like the definition of "host committee" to be reviewed by this Committee and that consideration be given to adjacent communities and how they might be impacted.

Charles Bagwell, Zerwell Energy, introduced himself. He stated he is actively trying to construct a Waste-to-Energy plant in Erie Township at Sterns and Telegraph Roads. Currently, they are very close to wrapping up the financing of this project. It is their intent to come before this Committee once the financing is complete. He does not

believe this manufacturing facility will fit in the Solid Waste Plan, but would still like to review his project with this Committee in the next month or so. Royce Maniko said that a letter had been sent to the people heading this project asking for various information regarding technology, etc., and to date no response has been received. Mr. Bagwell said they did forward a reply to Bill Sisk, Chairman of the Monroe County Board of Commissioners. He stated that this is a private corporation and not open for review. Chairman Stefanski reminded Mr. Bagwell that "solid waste is solid waste" and this project will fall under the Plan. Mr. Bagwell stated he concurs and will look forward to coming before this Committee with his proposal as soon as financing is secured.

**7. Next Meeting Date -** The next meeting will be held June 10, 2009, at 3:30 p.m. at the Health Department.

There being no further business to come before the Solid Waste Management Committee, Chairman Stefanski called for a motion to adjourn. It was moved by Dick Reed and seconded by Claire Jennings, that this meeting be adjourned. Vote was unanimous. Meeting was adjourned at 4:20 p.m.

Signed: Daniel Stefanski, Chair



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Welcome and Introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

2.

**PRESENT:** Kurt Erichsen, Roger Homrich, Claire Jennings, Donna Lark, Barry

LaRoy, Michelle Marion, Jim Neorr, Bill Parkus, Sister Janet Ryan, Richard Reed, Dan Stefanski, Commissioner Connie Velliquette

**ABSENT:** Bill McDonough, Gerald Greer, Bill Terry

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Approve Minutes from May 6<sup>th</sup>, 2009 Meeting -** Motion by Bill Parkus to approve the May 6<sup>th</sup>, 2009, Minutes as presented. Support by Connie Velliquette. Motion carried.
- **3.** Correspondence and Committee Communications Two letters submitted: (1) Letter dated 5/26/09 from Dr. Rebecca Head to Tim Bell in response to Mr. Bell's FOIA request; (2) Violation letter dated 6/2/09 to Carl Stevens and Tim Bell, also from Dr. Head, indicating they are transferring/receiving Type II waste without license and permits from MDEQ. Copies of both letters were available to Committee members for their review. Also, Jamie Dean stated that a letter has been submitted to MDEQ regarding the opening of the Solid Waste Management Plan. Jim Neorr asked if Tim Bell had responded to the 5/26/09 letter from Dr. Head. Mr. Bell has contacted Dr. Head via phone more in response to the 6/2/09 violation letter, but was asked to respond in writing. No response has been received to date.
- 4. Draft Solid Waste Plan #2 Marty Seaman, Consultant from Resource Recycling Systems reviewed the updated Plan with the Committee, highlighting several sections. The revised plan has been sent to all Committee members electronically. Key changes have to do with completed hauler surveys, facility descriptions, and verification of import/export information, licensing, reporting and fees. Royce Maniko stated that SEMCOG is presently updating their demographics and suggested a possible partnership with them for the creation of a template. This will streamline the process, as well as create consistency. All agreed this was a good idea.
- **5. Licensing, Reporting and Fees Discussion –** Mr. Seaman had three items to review: (1) equity issues regarding surcharges; (2) equity issues regarding generation; and (3) the County's dilemma regarding significant fee changes. The current plan states that everything we do needs to be funded by fees and these fees must be set aside for Solid Waste activities. He suggested generation fees that may be adjusted from time-to-time by the Board of Commissioners. He also suggested licensing waste haulers as a means of generating dollars for the program. This

suggestion included establishment of an administrator. Also, an exemption would be created for home hauling. Quarterly reports, means of enforcement, audits and surcharge amounts were also discussed.

A discussion regarding generation of fees ensued. Jim Neorr expressed his concern that generation fees would ultimately be placed upon homeowners and his reservations about licensing refuse haulers. Marty Seaman said different counties use different approaches to licensing trucks. All scenarios could be visited. Richard Reed inquired as to what each individual household would pay? Marty Seaman said essentially it would be approximately \$.54 per household/per year to cover the generation fee. The benefit would be that all municipalities would be included in the programs offered by the Solid Waste office. Barry LaRoy asked how this would benefit the City of Monroe - they currently have contracts for their waste hauling. He was told if a fee was established by the County, it would be a new fee for the City. Dan Stefanski explained that the Committee has been bouncing several ideas around trying to come up with new ways to fund the Solid Waste programs now that the funding dollars have dwindled. Jim Neorr questioned if the \$.54 per household/per year would replace the lost revenue from closing Rockwood Landfill. The answer from Marty Seaman and Dan Stefanski is no. Maureen Pfund explained that budget and program adjustments will be made, residents may now be asked to pay for some services, etc. Marty Seaman reminded the Committee that the Board may change the \$.54 amount at anytime without reopening the Plan.

Discussion continued with suggestions of different ideas for ways to fund the various programs offered by the Solid Waste division. Everyone agreed that this was a very productive, informative and worthwhile discussion, offering several good ideas and suggestions. Marty Seaman will continue to review the different mechanisms available to raise revenue to fund the various programs.

**6. Public Discussion/Comment** – Jim Neorr asked for the status of the Holcim landfill as far as their responsibility to conduct tire recycling activities. Jamie Dean said she does know their current closure status, but does know that they are not bound to the tire recycling program. Royce Maniko said that Holcim does have a final closure plan in place.

Citizen Chuck Bagwell gave an update on the new program he is trying to bring to Erie. He said they are inching closer to completing their financing and that his proposed plan would address many of the problems/concerns this Committee expressed in their earlier discussion today. Jim Neorr reminded Mr. Bagwell that at this time Mr. Bagwell's proposal is not included in the current Plan. Mr. Bagwell inquired as to how long it takes for inclusion. Mr. Stefanski cited Stevens as an example. They have been working for over 2-1/2 years to become permitted and still are not.

Jamie Dean reminded the Committee of upcoming Solid Waste events: June 24, 2009, from 3-7 p.m. there will be a Household Hazardous Waste collection at Kroger in

Lambertville; August 26, 2009, from 3-7 p.m. there will be a Household Hazardous Waste collection at the Frenchtown Senior Center on Vivian Road in Monroe.

Ms. Dean also reported that the Monroe County Solid Waste program partnered with several other agencies and collected over 70,000 pills in their first ever Prescription Drug Collection. This successful event was held at the Monroe County Health Department from 8-noon on May 30, 2009.

7. Next Meeting Date - It was agreed that there will be no July 2009 meeting. The next scheduled meeting will be held August 12, 2009, at 3:30 p.m. at the Health Department. Mr. Stefanski reminded Committee members; however, that July 12<sup>th</sup>, 2009 is the deadline for comments regarding the current proposed amendment to the Plan. Please email any and all comments/concerns/changes to Jamie Dean before July 12<sup>th</sup>, 2009 at <a href="mailto:jamie dean@monroemi.org">jamie dean@monroemi.org</a>.

There being no further business to come before the Solid Waste Management Committee, Chairman Stefanski called for a motion to adjourn. It was moved by Barry LaRoy and seconded by Richard Reed, that this meeting be adjourned. Vote was unanimous. Meeting was adjourned at 5:00 p.m.

Signed: Daniel Stefanski, Chair



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Welcome and Introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

PRESENT: Kurt Erichsen, Gerald Greer, Roger Homrich, Claire Jennings,

Barry LaRoy, Michelle Marion, Jim Neorr, Bill Parkus, Sister Janet

Ryan, Dan Stefanski, Bill Terry

**ABSENT:** Bill McDonough, Donna Lark, Connie Velliquette

Chairman Stefanski welcomed everyone, thanked them for their attendance and asked for introductions.

- **2. Correspondence and Committee Communications** None.
- 3. Overview of Comments Received Marty Seaman, consultant from Resource Recycling Systems, said that most of the comments received were non-controversial. The comments that were more controversial will be reviewed at today's meeting. Roger Homrich finds the review process difficult because of the way the changes are presented. Currently, changes from a meeting are incorporated into the Plan and highlighted. After each meeting, the highlighting goes away and only "new changes" are highlighted. Mr. Homrich feels all changes and amendments should remain highlighted until the final document is drafted and presented for approval. Jamie Dean will see that committee members receive a copy that highlights all changes, additions and amendments.

Kurt Erichson asked that definitions be placed in the front of the new Plan, thus making it an easier read. Mr. Seaman said that definitions could be placed in an appendix. However, the format does not allow for definitions to be placed in the front of the Plan.

Roger Homrich noted that some changes need to be done from a facility standpoint, but he would like to know specifically what he is being asked to review. He believes a guidance document would help the facilities with their review. Marty Seaman said that he gave out the terms at the beginning of this process, in the solid waste primer. As far as specifics to facilities, all facilities have been contacted and asked to verify that all information is accurate. Facilities will be asked to sign off as to accuracy of content. Tim Bell, Stevens Disposal, said that he believes all haulers should be identified, notified and included in this process as well. He is aware of several haulers that are not on the current list, and as such, have not been notified. Mr.

Seaman asked Mr. Bell to prepare a list of anyone not currently identified and give it to Jamie Dean so that she can include them. The haulers that Mr. Bell forwarded to Jamie earlier have been contacted.

- 4. Plan Elements Siting Mechanism Mr. Seaman said the last time the Plan was opened, a siting mechanism (TRP technical review panel) was included by the County, only to ultimately be rejected by DEQ. It has been proposed that a review process be included with the new Plan. Including a review process in the Plan will give the County more flexibility and control to make changes and additions in a timely fashion. Gerald Greer asked why no scoring system is included with the proposed Plan. DEQ doesn't like a scoring system finds it too subjective, and prefers the "yes/no" approach to siting a new facility.
- **5. Plan Elements Alternatives –** This section is required and it appears that everyone feels a bit differently. The State says we need to consider three or four different scenarios and explain why one is chosen over another. Tim Bell asked if an alternative is discarded, could it be placed back in the Plan at a later date. Marty Seaman said yes.
- 6. Plan Elements Waste Generation Surcharge/Hauler Licensing The County currently has many good programs that they are in danger of losing because of the decrease in revenues to fund the programs. One way to deal with the declining revenues is to attach surcharges, licensing fees, etc., to the haulers or through a generation fee. This is done with regularity in Ohio, but not yet in Michigan. The Plan would describe it as something that is desirable, possibly as an "environmental fee". However, it is still a work in progress.

Maureen Pfund feels that more solid numbers are needed to present to the municipalities so that they know exactly what the costs are. Tim Bell and Roger Homrich both agreed that a tax on the haulers is not the answer. Mr. Homrich feels a more direct approach, one that wouldn't go to the hauler and then trickle down to the end user, would be more economical and makes more sense — it would cut out the middle man. After much discussion on the different means of generating the much needed revenue, Jamie Dean proposed that Item #6, "Plan Elements — Waste Generation Surcharge/Hauler Licensing" be placed on the next meeting's agenda and revisited in more detail.

7. Schedule for Plan Review and Public Comment — Dan Stefanski feels it is very important for a "timeline" to be prepared so that committee members know how long this process will take. He anticipates having a new Plan that can go out for public comment in September or October. Then, it must be taken to the Board of Commissioners for approval. Thereafter, it must go to all municipalities for approval. He believes next July or August is a viable forecast for wrapping up this Plan review process and approval. It was suggested that Jamie prepare a timeline that takes the committee members through the entire approval process. Marty Seaman said this was done at the first meeting, however, Ms. Dean will do so.

Marty Seaman stated that the surcharge/fee proposal appears to be a big issue for the committee and asked if there are any other comments. Dan Stefanski believes that our current County Solid Waste programs are viable and important to the communities and that we need to find a way to fund them so that they can continue. It appears that taxation is not the answer at this time, so this committee must look to alternative means for funding. He agrees that costs will ultimately go to the end user.

- 8. **Public Comment –** There being no comments from the public, Jamie Dean had a few items to share. Holcim is closing the landfill. The landfill is classified as a monofill (can only take one type of waste CKD) and their final use plan calls for passive recreation. They are currently trying to sell off all assets at the plant. There will be a tire collection on August 22, for which registration will continue through August 17. There will be a household hazardous waste collection August 26<sup>th</sup> at Frenchtown Senior Center from 3-7 PM.
- **9. Next Meeting Date** Chairman Dan Stefanski proposed September 16, 2009 as the next meeting date at approximately 3:30. All concurred. Jamie Dean will finalize location and send notice to all committee members.
- **10. Adjournment** It was moved by Michelle Marion and seconded by Sister Janet Ryan that this meeting be adjourned. Adjournment was at 4:55 p.m.

Signed: Daniel Stefanski, Chair



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:31 p.m.

**PRESENT:** Kurt Erichsen, Claire Jennings, Donna Lark, Barry LaRoy, Michelle

Marion, Bill McDonough, Jim Neorr, Sister Janet Ryan, Dan

Stefanski, Bill Terry, Connie Velliquette

**ABSENT:** Gerald Greer, Roger Homrich, Bill Parkus

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise agenda:** There being no changes, it was moved by Bill Terry and seconded by Connie Velliquette to adopt the agenda as presented.
- **3. Adopt minutes from August 12, 2009 meeting:** It was moved by Jim Neorr and seconded by Connie Velliquette, to adopt the minutes from the August 12, 2009 meeting, with correction to the **spelling of Kurt Erichsen's name.**
- 4. Correspondence and Committee Communications: Jamie Dean distributed four (4) handouts in regard to future funding of solid waste and recycling programs: (1) Public Act 138 of 1989; (2) Public Act 69 of 2005; (3) Hauler License Resource Recovery Fee (Eaton County, Michigan); and (4) Generator Surcharge & Hauler Licensing (Genesee County, Michigan).
- 5. Overview of Comments Received: Jim Neorr suggested the following recycling issues be addressed: recycling efforts at educational institutions (already doing), hauler portion, fees, and technical review panel (make sure its "makeup" is spelled out in the plan). Also, Mr. Neorr said that in several places it is states: "The Solid Waste Planning Committee (SWPD) has reviewed alternatives". Mr. Neorr is concerned that even though it is stated, it may not have been done and he would not vote for it. Marty Seeman answered that the Committee could review each page, section by section, and sign off on each if that is what the Committee wants. However, his approach has been to highlight the important and substantial issues. He is willing to do whatever the Committee prefers. Jim Neorr suggested replacing "SWPC" with "Monroe County (MC)". Chairman Dan Stefanski noted that most, if not all, of these items were touched upon in March, April and May though PowerPoint's and presentations. However, if there is anything that has not been touched upon, it can still be presented. Mr. Neorr will get back to Ms. Dean if there is anything further he would like to have reviewed.

Another section states "Metropolitan Planning Commission". He does not like the term "planning commission".

**6. Plan Elements – Waste Generation Surcharge/Hauler Licensing:** At this point, Mr. Seeman directed committee members to the four documents that were distributed earlier by Jamie Dean.

The first topic of discussion: Act 69 of 2005: Marty Seeman sees this funding source as the best source of funding for this program. Implementation of this Act would require a voter approval to allow the County to collect up to \$4 per month, or \$50 per year. Commercial businesses could be subject to the surcharge, also with voter approval. Mr. Seeman said that this Act is adopted many times by counties that do not have landfills.

The impact to the County would be: (1) potential Solid Waste program revenue of about \$2.8 million dollars (based on 56,000 households; (2) support current programs in budget and allow for County to conduct drop-off program similar to Recycle NOW, if option is discontinued; (3) revenue generated by all households in Monroe County instead of waste disposed in County (often out-of-county or out-of-state waste); (4) most successful if all local units pass the vote. Issues could arise if only part of the County supports the measure; and (5) opportunity to include businesses and extend services to that sector.

Next, Public Act 138 of 1989 was discussed. Act 138 allows counties to impose a fee, per resolution or agreement with local units of government of \$2.00 per month or up to \$25.00 per year in order to fund waste reduction programs. Mr. Stefanski asked if the amount could be reduced. Mr. Seeman was not sure, but would look into this. Jamie Dean noted that the municipalities must approve the plan, so really they are approving inclusion of this Act.

The next handout to be addressed was the Hauler License Resource Recovery Fee (Eaton County, Michigan). This would impose an annual hauler application or renewal licensing fee program. It also includes conditions (proof of minimum liability insurance, schedule of basic rates, semi-annual reports). The impact to Monroe County if it were to implement this fee would be: (1) potential Solid Waste program revenue of about 4400,000 per year for residential accounts; (2) support current programs in budget and allow for County to conduct a drop-off program similar to Recycle NOW; (3) revenue generated by all households in Monroe County instead of waste dispose in County (often out-of-county or out-of-state waste); and (4) opportunity to include businesses and extend services to that sector.

Mr. Seeman foresees problems with accounting accuracy and billing issues.

Lastly, Genesee County, Michigan's Generator Surcharge & Hauler Licensing was reviewed. Their surcharges on waste are one of the most common approaches used by counties in Michigan. These fees can be imposed by an ordinance/licensing mechanism, by contract, or as part of the budgets of publicly owned facilities. Like the Eaton County program, there would be conditions imposed with this surcharge: minimum liability insurance, basic rates for services schedule, description of the type of equipment to be used in the County, collection of the surcharge and filing of quarterly reports. The impact to Monroe County: (1) Monroe County has received between \$150,000 to \$200,000 per year; (2) at the current rate of \$0.18, adding hauling would yield \$30,000-\$50,000; (3) revenue generated by all households in Monroe County instead of waste disposed of in county (often out-of-county or out-of-state waste); and (4) Monroe County already utilizes data management system (Re-TRAC).

There was a lengthy discussion following presentation of each funding source. Jamie Dean explained that the purpose of exploration of several of these options was to plan for the future. The representative from Vienna Junction stated that he is opposed to the southern part of the county paying all the fees, whereas the northern part does not. He would like to see equality throughout the County. Bill McDonough agreed that if the County implemented this fee it could push people to the north for services. Royce Maniko said a reciprocal agreement can be negotiated with neighboring counties to avoid this from happening. It was stated that adding Act 138 to the County's Solid Waste Management plan would give the County more flexibility to fund its programs.

7. Schedule for Plan Review and Public Comment: Jamie Dean distributed a "Project Memo" as a means of showing how this process works. Mr. Stefanski, referring to this project memo, stated that revising the Solid Waste Management Plan is a work in progress and may go well into April or May of 2010.

Bill McDonough invited anyone interested in viewing a compost site to contact him and he can show the "work in progress" at Carleton Farms. Also, a representative of Vienna Junction invited the Committee to attend a tour to see what's at the bottom of the landfill.

Marty Seeman then referred Committee members to the "Section by Section Status Updates" distributed by Jamie Dean. He reviewed what has been done and what is ahead for the Committee.

Jamie Dean made a few announcements. First, she thanked Sister Janet Ryan for the today's tour of the IHM Motherhouse, as well as for use of the facilities for today's meeting. She next thanked the County Commissioners for recently passing a resolution proclaiming Monroe County as a Green County. There was an article in Bedford Now on September 12, 2009, detailing some of the initiatives for the County to earn some money. Lastly, there are two upcoming Solid Waste events on October 10, 2009: (1) household hazardous waste collection from 8-noon at Kroger in Lambertville; and (2) medical waste disposal event at Mt. Carmel Catholic Church in Temperance.

- **8. Public Comment:** Chairman Stefanski opened the floor to public comment. There being no one in the audience wishing to speak, he moved to the next agenda item.
- **9. Next Meeting Date** Chairman Dan Stefanski proposed October 21, 2009, as the next meeting date at approximately 3:30. All concurred. Jamie Dean will finalize location and send notice to all committee members.
- **10. Adjournment:** It was moved by Bill Terry and seconded by Jim Neorr that this meeting be adjourned. Adjournment was at 5:11 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:30 p.m.

**PRESENT:** Donna Lark, Barry LaRoy, Bill McDonough, Jim Neorr, Bill Parkus,

Sister Janet Ryan, Dan Stefanski, Bob Strugarek, Bill Terry

**ABSENT:** Kurt Erichsen, Gerald Greer, Roger Homrich, Claire Jennings,

Richard Reed, Connie Velliquette

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- 2. Adopt/Revise Agenda: Jamie Dean changed the agenda to add "Letter from City of Monroe regarding Senate Bill 725". This item was inserted as #6a, just before Public Comment. It was moved by Bill Terry and seconded by Jim Neorr to adopt the agenda as revised.
- Adopt Minutes from September 16, 2009 meeting: It was moved by Bill Terry and seconded by Bill Parkus, to adopt the minutes from the September 16, 2009 meeting, with the following changes: Donna Lark was not present, so place her name as absent; on Page 2, third paragraph, "(1) potential Solid Waste program revenue of about 4400,000" change to \$400,000".
- 4. Correspondence and Committee Communications: Jamie Dean distributed a copy of a fact sheet regarding Senate Bill #725. Dan Stefanski read a letter from Patrick Lewis, City of Monroe, seeking the Committee's recommendation in regard to the City's support of Senate Bill #725. Chairman Stefanski said discussion on this matter would be heard after agenda item #6.
- **5. Review Plan Elements:** Marty Seaman then proceeded to go through the entire plan, section-by-section, explaining how each section fits into the existing state format and what it means to Monroe County. Mr. Seaman explained each section and some minor corrections were noted. This review was presented so that Committee members are familiar with each section in the plan when they vote to adopt. Mr. Seaman said he is more inclined to send out the most contentious materials for review by the Committee, rather than send out the entire plan. Jamie Dean agreed and will be sending out sections relating to the ordinance, TRP and a list of what will be voted on at the next meeting.
- **Schedule for Plan Review:** This schedule was included in Mr. Seaman's review. As noted above, each section to be voted on will be forwarded to Committee members prior to review.

**6a. Yard Waste (Senate Bill #725):** Patrick Lewis, City of Monroe Engineer, has forwarded a letter to the Solid Waste Committee seeking its recommendation as to how the City of Monroe should proceed in regard to Senate Bill #725.

Senate Bill #725 would amend Part 115 (Solid Waste Management) of the National Resources and Environmental Protection Act to allow yard clippings to be disposed of in a landfill that has a landfill gas collection system in cells that receive yard waste and are designated as landfill energy production facilities by the Michigan Department of Environmental Quality.

Barry LaRoy, representative of the City of Monroe, stated that the City has been asked to support this Bill. The purpose of the Mr. Lewis's letter is to seek the recommendation of this Committee in regard to their position on yard waste disposal in the City of Monroe and take that recommendation to Monroe City Council.

Bill Parkus, SEMCOG representative, stated that it is the recommendation of SEMCOG to support Senate Bill #725.

The Committee, as a whole, had a very productive discussion on the pros and cons of supporting Senate Bill #725 and how it should proceed with the City's request. After this lengthy discussion, it was moved by Barry LaRoy that Chairman Stefanski and Jamie Dean create a written consensus stating that the Committee supports the City of Monroe and its efforts in regard to yard waste, but does not know enough about Senate Bill #725 at this time and will need more information to make a recommendation. This motion was supported by Sister Janet Ryan, and unanimously approved by the Committee.

## **7. Public Comment:** None

- **8. Next Meeting Date** Chairman Dan Stefanski proposed December 16, 2009, as the next meeting date at approximately 3:30 in Erie. All concurred. Jamie Dean will finalize location and send notice to all Committee members. Jamie Dean also took this opportunity to thank Sister Janet Ryan for again hosting the meeting at the I.H.M. campus, as well as for the lovely refreshments provided for those in attendance.
- **9. Adjournment:** It was moved by Bill Terry and seconded by Jim Neorr that this meeting be adjourned. Adjournment was at 5:12 p.m



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:34 p.m.

**PRESENT:** Kurt Erichsen, Claire Jennings, Barry LaRoy, Bill McDonough, Jim

Neorr, Richard Reed, Sister Janet Ryan, Dan Stefanski, Bob

Strugarek, Bill Terry, Connie Velliquette

**ABSENT:** Gerald Greer, Roger Homrich, Donna Lark, Bill Parkus

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Richard Reed and seconded by Connie Velliquette to adopt the agenda as presented
- **3. Adopt Minutes from October 21, 2009 meeting:** It was moved by Jim Neorr and seconded by Barry LaRoy, to adopt the minutes from the October 21, 2009 meeting as written.
- 4. Correspondence and Committee Communications: None.
- **5. Review Plan Elements:** Jamie Dean distributed three sections of the plan for review: Demographics (database), Non-Selected Systems (Appendix B), and Selected Systems. Marty Seaman then proceeded to review each section, noting that all three sections that are being reviewed today are pretty straight forward and non-controversial.

DEMOGRAPHICS: This section is a required element of the plan. The "numbers" were derived from SEMCOG's 2000-2020 forecast. Mr. Seaman asked the Committee to review the numbers, asking each member to pay close attention to his/her individual community, noting if anything looks really right or really wrong... that is the input that is needed. Also, it was noted that the Planning Department will review this section and will insert a few additional pieces of information.

NON-SELECTED SYSTEMS: This section lists two separate pieces that were not included: large scale waste-to-energy and plasma arc technology. There are no significant changes, and the language should be familiar. The plasma arc technology was not included because after a presentation, it was determined that it would not be viable to the Monroe County area at this time.

Jim Neorr asked if a mixed waste processing facility should be listed as a "non-selected item". Marty Seamen answered that his position is to be silent on that issue. Mr. Neorr asked if the State would approve our proposed plan with only two "non-selected systems" presented. Mr. Seaman said yes.

Charles Bagwell was presented and representing plasma arc technology. He cautioned that this technology should not be ruled out. His proposed facility, Suncrest, wants anything that cannot go to a landfill. However, they have not made a presentation to the Committee, and will not until they secure financing and have a plan worked out. He suggested adding the language "will consider". Dan Stefanski reminded Mr. Bagwell that Suncrest was asked to make a presentation to the Committee and has not; therefore, its viability is in question. Bill McDonough reminded Mr. Bagwell and the Committee that Suncrest, and any other entity the Committee chose to include may be included in the future with an amendment to the plan.

SELECTED SYSTEM – This section drew the most discussion in regard to inclusion of a Technical Review Panel (TRP) in the plan. The MDEQ rejected inclusion of a TRP from the last plan. Dan Stefanski said that inclusion this time is important. It takes a lot of time to reconvene the Board and a TRP expedites this process. Marty Seaman said that basically, he went back and used our intent from the original TRP and combined that with language from Wayne and Washtenaw counties in hopes that it will be viewed more favorably by MDEQ this time. Basically, this section describes the scoring mechanism, the application process and criteria required. He considers this section pretty straight forward. The inclusion of an application review flow chart, with timetable, shows that having a TRP expedites the process to approximately 150 days, and very much mimics the State's plan.

There was some discussion as to completion of the application and whether or not the "no's" should be explained to eliminate the need to go back to the person for explanation. After some discussion, it was decided that the "yes" and "no" answers should be removed and a space for explanation only will be provided.

Mr. Neorr asked who would comprise the TRP. Mr. Seaman said formerly it was appointed... and he took that out. He would like feedback from the Committee on this. Maureen Pfund read the list of who was to be included on the TRP as presented to the State in the 2001 Monroe County Solid Waste Management Plan, but was removed as the state would not approve with it included. The proposed TRP included the following:

The TRP will be appointed on an as-needed basis. The Board of Commissioners shall appoint the chief elected official. In addition, the Solid Waste Coordinator shall serve as staff to the TRP. The TRP shall elect its own chairman. The panel shall consist of seven members with the following representation:

- One member from the County Board of Commissioners whose district shall include the host community in which the facility is proposed;
- One chief elected official (or designee) from the same level of government, but not from the host community;
- The Director of the County Planning Department (or designee);
- The Director of the Monroe County Environmental Health Division (or designee);
- The Manager of the County Road Commission (or designee);
- The County Drain Commissioner (or designee); and
- A representative of the SE Michigan Council of Governments (SEMCOG).\*

It is preferred that the representative from SEMCOG be the member who was most recently sat on the Monroe County Solid Waste Planning Committee. In the event that this person is not available, the Director of SEMCOG shall appoint a representative.

Mr. Neorr suggested that a representative from each of the adjacent communities to the impacted municipality should be included as a TRP member. There was a lot of discussion on this. Many felt that the name "Technical Review Panel" indicates that those on the panel come to the panel with a certain level of expertise. It was suggested that the language a "standing TRP member" or "pre-selected citizen at large" be included in lieu of someone from each of the adjoining municipalities. Also suggested was including a representative from SEMCOG and/or TMACOG – depending upon where the municipality is located, and would exclude adjacent states. It was suggested that adding the language "notify chief elected officer in adjoining municipalities" to Step 3 of the Application Review Flow Chart on Page 108 of the draft plan, would take care of these concerns.

At the conclusion of discussion on each of the three sections, Marty Seaman indicated that it is his intention that the Committee makes a motion and vote on each of these sections at the next meeting.

- **Schedule for Plan Review:** Mr. Seaman would like the three sections noted above, as well as Program Elements, finalized and voted on at the next meeting in February. Jim Neorr asked that the Committee members receive the changes in a timelier manner than they did this time and Mr. Stefanski said he would see to it that that happens. Bill Terry asked how long Marty foresees that the plan will be complete. Mr. Seaman anticipates the Committee to be finished with their review within 3-4 months.
- **7. Public Comment:** None.
- **8. Next Meeting Date** Chairman Stefanski announced that the next meeting will be on February 17, 2010 at 3:30 p.m. location to be determined. Mr. Stefanski thanked the representatives from Republic Waste for the usage of their facility. Also, he announced that Republic was offering a tour of the landfill immediately after the meeting for anyone interested.
- **9. Adjournment:** It was moved by Bill Terry and seconded by Connie Velliquette that this meeting be adjourned. Adjournment was at 4:34 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:34 p.m.

PRESENT: Kurt Erichsen, Claire Jennings, Donna Lark, Barry LaRoy, Bill

McDonough, Jim Neorr, Richard Reed, Sister Janet Ryan, Dan

Stefanski, Nick Straub, Bob Strugarek, Bill Terry

**ABSENT:** Bill Parkus, Connie Velliquette, Gerald Greer,

Chairman Stefanski welcomed everyone; in particular, Nick Straub, Roger Homrich's designee; thanked them for their attendance and

asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Bill Terry and seconded by Donna Lark to adopt the agenda as presented.
- **3. Adopt Minutes from January 20, 2010 Meeting:** It was moved by Richard Reed and seconded by Claire Jennings, to adopt the Minutes from the January 20, 2010 meeting as written.
- **4. Correspondence and Communications:** Chairman Stefanski acknowledged a letter from Roger Homrich designating Nick Straub as his replacement on this Committee.
- **Seaman for discussion on review/approval of plan elements.** Today's discussion centers on three elements: Appendix B: Non-Selected Systems, Demographics, and Selection and Role of the Technical Review Panel. Before each of the three discussions, Mr. Seaman handed out his most up-to-date information to each Committee member.

**APPENDIX B: NON-SELECTED SYSTEMS:** Mr. Seaman explained that the only changes to this section were basically to "clean up" the language. He asked for guestions.

Jim Neorr had several questions. First, regarding the section entitled Collection Processes. Mr. Neorr does not believe the wording to be correct when stating that each municipality is responsible for coordinating its own collection. Marty Seaman said that state law says that counties are not responsible, that it is left to the municipalities to handle. It was suggested that the word "responsible" be changed to "authorized". After much discussion, it was decided to leave it as is. Lastly, Mr. Neorr asked for an explanation of Educational and Informational Programs. Marty Seaman's explanation satisfied him. This section was voted on and approved.

**DEMOGRAPHICS:** This section is a required element of the plan. Marty first explained that the handout has a lot of incorrect information – partly because the "numbers" that were used are in question and partly because of formatting errors. He questioned the "numbers" that were derived from SEMCOG's 2035 forecast, asking what numbers the Committee would like him to

use. After lengthy discussion, Rob Peven confirmed that perhaps the best numbers are available from SEMCOG's 2035 Regional Forecast. All agreed that this is quite reasonable. The tables will be reformatted and begin with 2010 information.

Thereafter, they discussed several individual statistics in the document, noting inaccuracies and wrong information. Several specific questions were asked in regard to the various aspects of the information stated. Marty Seaman answered questions about the wording and explained why the information was stated as one way or another. Also, the Committee requested that each municipality have its own page — making it easier to follow and read. Marty Seaman stated that right now there are pages and pages of information and documentation. Currently all this information is plugged into a template and sometimes what comes out isn't necessarily "pretty". He asked for the Committee's patience and to work with him through this, noting that all the correct information will be put into the final document before a vote, and in the end, the document will be correctly formatted. This section will be revisited at the next meeting.

**Section B: Selection and Role of the Technical Review Panel** - Jamie Dean explained that this handout was prepared basically to summarize the discussion at the last meeting, i.e., TMACOG has been added, all local municipalities within three miles were added, etc. A couple suggestions were made to this new wording:

- Where it states "active work" site, it was the opinion of the Committee to replace "active work" site with "proposed".
- Remove the third from the last paragraph completely.
- TRP representation guidelines were requested to be more specific, i.e., instead of "1 person representing the Monroe County Drain Commissioners office", it should be changed to say "Monroe County Drain Commissioner or his designee", and so on for each of the offices represented.
- The last bullet point talks about "Representative from any municipality located within three (3) miles". Requested it be changed to "Representative from a Monroe County non-host municipality located..."

Marty Seeman agreed to incorporate all changes requested and present a new, "cleaned-up" document for discussion at the next meeting.

**Facility Description:** Facility Descriptions were presented to the Committee. Marty explained that the process began some twelve months ago when letters were sent to all facilities. They received responses from about half, and sent out another mailing thereafter. They received some more responses, but not all. Each facility was reviewed and discussed by the Committee. Each description will be cleaned up and presented again at the next meeting.

5. **Public Comment:** None

- 7. Next Meeting Date: The next meeting is scheduled for March 10, 2010 at 3:30 p.m.
   location to be determined. The meeting will be held at the Monroe County Health Department.
- **8. Adjournment:** It was moved by Richard Reed and seconded by Jim Neorr that this meeting be adjourned. Adjournment was at 4:45 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:32 p.m.

PRESENT: Kurt Erichsen, Claire Jennings, Donna Lark, Barry LaRoy, Jim

Neorr, Bill Parkus, Sister Janet Ryan, Dan Stefanski, Nick Straub,

Bob Strugarek, Bill Terry

**ABSENT:** Bill McDonough, Richard Reed (excused), Connie Velliquette

(excused), Gerald Greer,

Chairman Stefanski welcomed everyone; thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Jim Neorr and seconded by Bill Parkus to adopt the agenda as presented.
- **3. Adopt Minutes from February 17, 2010 Meeting:** It was moved by Sister Janet Ryan and seconded by Donna Lark, to adopt the Minutes from the February 17, 2010 meeting as written.
- 4. Correspondence and Communications: There were two communications. The first was a letter from Marty Seaman to Chairman Dan Stefanski outlining correspondence to several facilities (Stevens, Gasper, Action and Edison) requesting information for their facility description. At the meeting, Tim Bell (Stevens) talked to Marty, so his information is complete. Also, Claire Jennings clarified the information for Edison Fly Ash Fill and they too are considered complete. The other facilities still either need to send more information or clarify what was already sent for finalization of that section of the Solid Waste Plan.

The second correspondence was a letter from Rita Fisher to Sister Janet Ryan. Ms. Fisher was requesting that her apartment building be given a dumpster for recycling.

Jamie Dean explained that currently the City and County do not provide for commercial recycling – it would be up to the owner of the complex to provide the service. Recently, a block grant was approved for Monroe County. This year's focus for that grant will be on getting recycling into the schools. Jamie felt with all the haulers now going to the schools, there would be more routes, and perhaps the cost to put recycling into commercial facilities would be more reasonable. There was a lengthy discussion in this regard.

**Seamon for discussion on review/approval of plan elements. Today's discussion centers on three** elements: Demographics, Selection and Role of the Technical Review Panel, and Appendix B: Non-Selected Systems. Before each of the three discussions, revised copies of each section had been provided to Committee members prior to the meeting.

**DEMOGRAPHICS:** This section is a required element of the plan. Revisions have taken into consideration the change in date – starting with 2010, and using the 2035 SEMCOG data. The Monroe County Planning Department is comfortable with the document, as is Jamie Dean. Jim Neorr made a motion to approve Section II-6 Demographics for inclusion in the Monroe County Solid Waste Management Plan; seconded by Bill Terry. Chairman Stefanski called for a vote. Unanimously it passed.

**SECTION B: SELECTION AND ROLE OF THE TECHNICAL REVIEW PANEL:** Marty believes he has captured all the requested changes in the document that was distributed to Committee members.

Topic of discussion centered around the Karst geology that is found in Monroe County, particularly if the current wording contains the criteria that addresses groundwater/Karst formations. Marty reminded the Committee that this is just the siting mechanism for inclusion in the plan – not for application. That is for the MDNRE to decide. Bill Parkus reminded Marty that everyplace in the Plan that refers to MDNR or MDEQ should be changed to MDNRE. After completion of discussion, Donna Lark made a motion to accept Section B: Selection and Role of the Technical Review Panel for inclusion in the Monroe County Solid Waste Management Plan. Seconded by Bill Parkus. Vote was unanimous for inclusion.

**III-9 SITING REVIEW PROCEDURES:** This document garnered the most discussion. After completion of discussion, it was decided that Marty would correct the following elements:

Remove "Non-sponsored facilities" from first page

- Under the "Timeline", #9 Change "Second public meeting IS held." To "Second public meeting MAY BE held AT THE DISCRETION OF THE BOARD."
- Correct "Minimum Standard Siting Criteria Evaluation Checklist" and "Minimum Standard Siting Criteria Detailed Descriptions" so that they correspond with each other.

Next there was discussion about leaving non-selected systems as unauthorized. Sister Janet Ryan made a motion (which was seconded by Jim Neorr) to require the full amendment process for all sanitary landfills. Motion passed unanimously.

Again, Bill Parkus asked that something be added to include Karst language in this section. Marty said it is already included – the application is quite comprehensive, but he would review, revise and bring finalized document to next meeting.

- **6. Public Comment:** None.
- **7. Next Meeting Date:** The next meeting is scheduled for April 21, 2010 at 3:30 p.m. at the Monroe County Health Department.
- **8. Adjournment:** It was moved by Sister Janet Ryan and seconded by Jim Neorr that this meeting be adjourned. Adjournment was at 4:55 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

**PRESENT:** Claire Jennings, Donna Lark, Barry LaRoy, Bill McDonough, Jim

Neorr, Bill Parkus, Richard Reed, Sister Janet Ryan, Dan Stefanski,

Nick Straub, Bob Strugarek, Bill Terry, Connie Velliquette

**ABSENT:** Kurt Erichsen, Gerald Greer

Chairman Stefanski welcomed everyone; thanked them for their

attendance and asked for introductions.

**2. Adopt/Revise Agenda:** It was moved by Jim Neorr and seconded by Barry LaRoy, to adopt the agenda as presented.

- **3. Adopt Minutes from March 10, 2010 Meeting:** It was moved by Bill Parkus and seconded by Connie Velliquette, to adopt the Minutes from the March 10, 2010 meeting as written.
- 4. Correspondence and Communications: None.
- 5. a. Siting Mechanism

**Review/Approve Plan Elements:** Mr. Stefanski turned the meeting over to Jamie Dean and Marty Seaman for discussion on review/approval of plan elements. Today's discussion centers on two elements: III-9 Siting Review Procedures and II-1 Data Base.

**III-9 SITING REVIEW PROCEDURES:** Marty reviewed the corrections that had been made with the Committee. He noted that this section had been talked about in depth at the last meeting and that all requested changes had been made. He believes he has captured all the requested changes in the document that was distributed to Committee members. After a brief review, a few additional changes were requested: In the FACILITIES INCLUDED IN THIS PLAN (change Edison-Monroe to DTE Energy and the zip code for Jefferson Smurfit from 48161 to 48162); in SECTION D: MINIMUM STANDARD SITING CRITERIA DETAILED DESCRIPTIONS (U. change Michigan Subdivision Control Act to Michigan Land Division Act); and throughout the entire III-9 change any references to MDEQ or DEQ to MDNRE.

### b. Solid Waste Tonnages

**II-1 DATA BASE:** Marty reminded the Committee that three different sets of criteria were used to calculate the numbers for this section. Marty noted that he matched everything from

2010 to 2035 going forward and that as far as the industrial waste was concerned, everything was rolled into manufacturing waste. That being said, there were several comments and some discussion regarding this section.

Sister Janet Ryan asked if recycling was figured into the numbers as presented. Marty said everything he had is there. Also, there are several sections that say "INSERT TEXT HERE". Marty will see that the descriptions get inserted. It was decided that the Committee will revisit and hopefully finalize this section at the next meeting after review of suggested changes.

**6. Public Comment:** None.

Jamie Dean reminded those present that an Earth Day celebration will be held this upcoming Saturday, April 24<sup>th</sup>, from 10-2, in Loranger Square (First Presbyterian Church if raining). She has arranged for a folk singer, awards, Binny the Recycling mascot, food, etc., and urged everyone to attend. Also, the first Household Hazardous Waste collection for 2010 will be held May 8<sup>th</sup> at the Drain Commission and a Medical Waste Disposal will be that same day (May 8<sup>th</sup>) at the Arthur Lesow Community Center in Monroe. Tire registrations are currently being taken for the collection to be held in June at the Monroe County Fairgrounds.

- **7. Next Meeting Date:** Marty told the Committee that three, possibly four, more meetings will be needed to finalize the Plan. After much discussion it was decided that the next meetings will be scheduled for May 26<sup>th</sup> and June 23<sup>rd</sup>, and July 21<sup>st</sup>, 2010 at 3:30 p.m. location to be determined.
- **8. Adjournment:** It was moved by Sister Janet Ryan and seconded by Jim Neorr that this meeting be adjourned. Adjournment was at 4:15 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

PRESENT: Kurt Erichsen, Claire Jennings, Donna Lark, Barry LaRoy, Bill

McDonough, Richard Reed, Dan Stefanski, Bob Strugarek, Bill

Terry

**ABSENT:** Gerald Greer, Jim Neorr, Bill Parkus, Sister Janet Ryan, Nick

Straub, Connie Velliquette

Chairman Stefanski welcomed everyone; thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** Jamie Dean requested that "Item 5. Review/Approve Plan Elements (d) Appendix D", be removed from the agenda as presented. It was then moved by Richard Reed and seconded by Donna Lark, to adopt the agenda as revised.
- **3. Adopt Minutes from April 21, 2010 Meeting:** It was moved by Richard Reed and seconded by Donna Lark, to adopt the Minutes from the April 21, 2010, meeting as written.
- 4. Correspondence and Communications: Jamie reported that there are three (3) items for discussions today: II-I Data Base; III-4 Continued: Solid Waste Facility Descriptions; and III-1 The Selected Solid Waste Management System. All three (3) documents were previously emailed to Committee Members and additional copies were available at the meeting for those who needed them.
- 5. Review/Approve Plan Elements: Mr. Stefanski turned the meeting over to Jamie Dean for discussion on review/approval of plan elements. Today's discussion centers on three elements: II-I Data Base; III-4 Continued: Solid Waste Facility Descriptions; and III-1 The Selected Solid Waste Management System.

**II-1 DATA BASE:** When previously reviewed, there were several instances where the document said "insert text". That has been done. There were a couple requested changes on Page 4 – last paragraph that begins "Waste generation is shown..." change the table numbers from II-6 and II-7 to II-5 and II-6. There being no further discussion or comments, a motion was made to accept II-1 DATA BASE, with the above changes. Motion was seconded by Claire Jennings. The vote was unanimous to accept II-1 DATA BASE.

**III-4 CONTINUED: SOLID WASTE FACILITY DESCRIPTIONS:** As with the first review, this section was reviewed extensively at previous meetings. Jamie stated that all requested updates have been made and she is open to proceeding to acceptance of this section as well. Motion was made by Claire Jennings to accept III-4 CONTINUED: SOLID WASTE FACILITY DESCRIPTIONS; seconded by Bob Strugarek. The vote was unanimous to accept III-4 CONTINUED: SOLID WASTE FACILITY DESCRIPTIONS.

**III-1 THE SELECTED SOLID WASTE MANAGEMENT SYSTEM:** Jamie Dean stated that this is the first time visiting this section. She noted that the sections of Genesee and Hillsdale need to be removed from Table 1-A. Also, a clarification sentence needs to be added regarding the total amount of waste that would be accepted as it is currently written. Bill McDonough asked if any other counties had asked to be included in the Plan. Jamie said no. Jamie said there is no need to vote today. She will see that the requested changes are made and bring it back to the Committee at the next meeting.

6. Budget Update: Jamie began this update by reminding the Committee that the Solid Waste program is funded by the 18 cent tipping fee charged at the landfills. Unfortunately, the closure of Rockwood Landfill, the overall economic impact and decrease in waste in general, has negatively impacted the budget by 74% since 2007. Also, she noted that Monroe County gets no revenue for waste generated within Monroe County that goes to a landfill in another county. Many important and popular Solid Waste programs are at severe risk of being eliminate, i.e., tire collections, household hazardous waste collections, Earth Day celebration, Green Schools, medical waste collections, to name a few. Also, the recently received Health Department certification could be taken away due to reduced staffing. The loss of these programs most likely would have a negative impact on the environment (illegal dumping, etc.).

Chairman Stefanski asked the committee for help. He stated he does not want to drag Committee members into additional meetings, so he asked for volunteers for a sub-committee to figure out how to bolster revenues and salvage some of these very important programs for County residents. He will be sending out an email to all Committee members asking them to donate some time for these sub-committees. He wants the sub-committee to conduct and conclude their meetings in July, August and September, developing a plan to bring back before the Solid Waste Planning Committee.

- **7. Public Comment:** The representative from Republic Waste asked if "outsiders" could sit on the sub-committee. Dan said yes.
- **8. Next Meeting:** Jamie said she sees "chunks" of the plan being reviewed and stamped approved by this Committee. Bill McDonough asked for a "score card" as to what has been reviewed and approved, and what remains for the Committee to discuss. Jamie will prepare something of this nature for Committee members. The next meeting will be held July 21, 2010 at 3:30 p.m. at the Monroe County Health Department.
- **9. Adjournment:** It was moved by Bob Strugarek, seconded by Barry LaRoy, that this meeting be adjourned. Adjournment was at 4:00 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:31 p.m.

PRESENT: Kurt Erichsen, Claire Jennings, Donna Lark, Barry LaRoy, Bill

McDonough, Richard Reed, Dan Stefanski, Bob Strugarek, Jim

Neorr, Nick Straub, Connie Velliquette

**EXCUSED:** Bill Terry, Bill Parkus, Sister Janet Ryan

**ABSENT:** Gerald Greer

Chairman Stefanski welcomed everyone; thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Jim Neorr, with support from Connie Velliquette to adopt the agenda.
- **3. Adopt Minutes from June 23, 2010 Meeting:** It was moved by Barry LaRoy, with support from Donna Lark to adopt the minutes from the June 23, 2010 meeting as written.
- **4. Correspondence and Communications:** Jamie Dean advised she will pass out sections of the plan as they are being reviewed. One section was sent and there is a new set she is passing out. She handed out the scorecard. It is used to keep tabs on where the plan is at and what sections have been approved.

She advised that some sections will be approved today and some will be brought back. She will keep updating and sending those updates to committee members.

**5. Review/Approve Plan Elements:** Mr. Stefanski turned the meeting over to Marty Seaman and Jamie Dean. Marty and Jamie suggested we start right from II-2 and go right down the list.

**II-2 SOLID WASTE DISPOSAL AREAS:** This section lists the facilities that exist currently and is reflective of facility descriptions. Marty advised it indicates that we will follow the law. Jim Neorr asked why Jefferson Smurfit and Holcim were still showing as Type III Landfills. It was explained that until those facilities are totally closed, they have to be kept on the list. Claire Jennings asked that under Type III Landfills, "Monroe Power Plant Ash Basin" be changed to "DTE Energy Monroe Power Plant Fly Ash Basin". That change will be made. Section was voted on and approved.

## II-4 SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION

INFRASTRUCTURE: All of the II sections are what is currently happening and all of the III sections is what will happen in the future. Marty gave an overview of the section. He advised that it has been updated to reflect the merger of Allied and Republic. Jim Neorr asked if this is a comprehensive list of Monroe County. It is not a comprehensive list, but is the result of a comprehensive survey. Those who did not respond to the survey were not put on the list. Discussion was held about the list and which companies were not on the list. It was commented that the list is really outdated. Mr. Stefanski advised we will come back to this. Barry LaRoy asked about how the compost hauler for City of Monroe is addressed. They do have a compost agreement with Jack's. Discussion was held. Whiteford was also discussed. There is a compost facility in the Township that is owned and operated by the City of Sylvania. The site is open to use by the City of Sylvania residents only. Since the State does not call for listing of compost facilities as solid waste disposal facilities in the Plan, none of the facilities will be listed.

Jamie will send a copy of the hauler survey to Nick Straub.

**III-5 SOLID WASTE COLLECTION SERVICES & TRANSPORTATION:** The haulers listed in section III-5 were reviewed. It appears that there are some haulers listed that are no longer in business and that some current haulers are not included. It was determined that Republic, Action, and Countryside need to be added to the list. Allied in Newport, J&S Sanitation, Suburban Salvage, and Tony Eby Refuse need to be removed. Jamie will contact Action to get their information and will confirm that J&S should be removed. An additional attempt will be made to contact the haulers that are not included. The new list will be presented at the next meeting. This list will be comprehensive at that date.

Jamie advised that II-4 and III-5 needs editing. This will come back to the next meeting.

**II-5 EVALUATION OF DEFICIENCIES AND PROBLEMS** This section has early information the committee talked about and deficiencies that should be addressed. Marty reviewed the five areas listed. Mr. Stefanski asked about the first sentence, XXX%. Jamie and Marty advised they are still waiting for information from a few areas. Once this information is received, that will be filled in. This section was approved; staff will add the final percentage statistic.

**II-7 LAND DEVELOPMENT** The demo is complete and there have been no changes. Kurt Erichsen from TMACOG stated they had no changes and to use SEMCOG figures. Royce Maniko is fine with the Land Development section of the plan. He spoke about the new and upgraded systems the Planning Department has received or hopefully will be receiving.

There was no further discussion or comments. Motion was made by Jim Neorr to approve sections II-2 SOLID WASTE DISPOSAL AREAS, II-5 EVALUATION OF DEFICIENCIES AND PROBLEMS, and II-7 LAND DEVELOPMENT. Motion was supported by Connie Velliquette. The vote was unanimous to accept all three sections.

**II-8 SOLID WASTE MANAGEMENT ALTERNATIVES** Marty reviewed the section with the committee. Mr. Stefanski asked if there were any comments or questions on this section.

There was no further discussion or comments on this section. Motion was made by Jim Neorr to approved section II-8 SOLID WASTE MANAGEMENT ALTERNATIVES. Motion was supported by Donna Lark. The vote was unanimous to accept.

**III-4 SOLID WASTE DISPOSAL AREAS** Jamie advised this section has all ready been approved. This is just the cover piece that goes with it. The DTE change will be made as noted in section II-2.

**III-1 THE SELECTED SOLID WASTE MANAGEMENT SYSTEM** Jamie advised that the III section was covered at the last meeting. This is the revised edition. In table 1-A, Genesee and Hillsdale have been taken out. There were no other comments or questions on this section.

Motion was made by Connie Velliquette to approve section III-1 THE SELECTED SOLID WASTE MANAGEMENT SYSTEM. Motion was supported by Richard Reed. The vote was unanimous to accept.

**III-2 IMPORT AUTHORIZATION** An overview of the section was given by Marty. It was noted that the \* under table 1-A states "tons". That should be changed to "cubic yards". Also in the first sentence of that section it mentions Michigan DEQ. That needs to be changed to MDNRE.

Dr. Head asked about the use of cubic yards vs. tons. It was mentioned that the way this was written has not changed for quite some time. This is what had originally been agreed upon, so this is what was written. Bill McDonough stated that tons would be the most favorable language, but the state is still using cubic yards. It was agreed upon that ton would be the best term to use, but it needs to be determined how many cubic yards equal a ton. Mr. Stefanski advised that Vienna Junction would be contacted. They need to be involved with determining a number with what is currently being done. It was agreed that this will be brought back to the next meeting.

**Tables 1-A and 1-B** Discussion was held about cubic yard wording in table 1-A. It was again mentioned that the appropriate information will be gathered on changing the wording and brought to the next meeting. Jamie clarified that we can agree that the way it's setup with the

import and export and the amount. We just need to come up with a conversion for how many cubic yards equal a ton.

**III-3 EXPORT AUTHORIZATION** Text in this section was reviewed. Marty advised that we can export to other Michigan Counties whatever is permissible in their plans. Mr. Stefanski asked about the Authorized Quantity/Daily column and that it shows five asterisks and we only go to two. This is an error that will be corrected. Marty explained that we as a county are authorizing an unlimited amount of waste to go out.

Discussion was held on table 2-A. Bill McDonough suggested adding a new column titled All Michigan Counties. Marty agreed with that suggestion and recommended it. Mr. Stefanski asked if two columns were needed for Type II and Type III. It was decided to do one column with an \*.

Table 2-B Marty explained is for future facilities. Bill McDonough asked to go back to table 1-A. Jamie explained that table 1-A current import reflects the activity that is going on at the landfills. Discussion was held. Marty explained that under the plan format provided by the **State, this is what's in place. Bill referred to table 1**-B not referencing the 5000 cubic yards as it does in 1-A. Discussion was held. Jamie advised that the current plan says the same thing as what is stated in the new plan. Table 2-B in the old plan was changed. It was limited to Wayne, Washtenaw, Lenawee, Oakland and Macomb. The new plan will say that in the future we can export anywhere.

Discussion was held on the wording in Table 1-B and 2-B. An overview discussion was also held determining that III-1 was approved, and III-2, III-3 and III-5 will come back to the next meeting.

**APPENDIX E** Jamie explained that this is the table of contents for the demonstrations they do for their programs. Motion was made by Jim Neorr to approve Appendix E. Motion was supported by Connie Velliquette. The vote was unanimous to accept.

### **6. PUBLIC COMMENT** None

- **7. NEXT MEETING DATE** The next meeting will be held on October 27, 2010 @ 3:30. Location TBD. Jamie will advise when she has a location.
- **8. ADJOURNMENT** It was moved by Bob Strugarek, support by Jim Neorr that this meeting be adjourned. Adjournment was at 4:54 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:30 p.m.

PRESENT: Claire Jennings, Donna Lark, Barry LaRoy, Bill McDonough, Dan

Stefanski, Bob Strugarek, Jim Neorr, Nick Straub, Connie

Velliquette, Gerald Greer, Richard Reed, Bill Parkus, Sister Janet

Ryan, Jason Childress, Jamie Dean, Marty Seaman

**EXCUSED:** Bill Terry

**ABSENT:** None

Chairman Stefanski welcomed everyone; thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Jim Neorr, with support from Connie Velliquette to adopt the agenda.
- **3.** Adopt Minutes from July 21, 2010 Meeting: It was moved by Jim Neorr, with support from Connie Velliquette to adopt the minutes from the July 21, 2010 meeting as written.
- 4. Correspondence and Communications: None
- **5. Review/Approve Plan Elements:** The scorecard was handed out. Marty explained that the scorecard is an update of the Solid Waste Plan. It explains where we are at with the plan. There

will be an electronic version sent for review. Marty reviewed the sections that have been changed and also the sections that are ready for review.

- **a. Database II-4:** This section focused on updating the list of haulers. The list was handed out. Marty acknowledged the work Jamie put into updating the list. Both agreed this list is the most current. Dan called for a motion. A motion was made by Donna Lark to accept II-4 SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE, support by Barry LaRoy, motion carried.
- **b. Selected Solid Waste Management System III-2, III-3, and III-5:** Marty explained that III-2 and III-3 are import and export authorizations. The changes made were about future import and export capacity. The tables in these sections have been removed and wording has been changed to reflect removing the tables and also in III-3 wording was changed to reflect no limitations on export. This is according to what is allowable by other counties. Jim Neorr asked about the reference of 5000 cubic yds. and it meaning that there could be 5000 cubic yds. from each of the importing counties. Jamie advised that it means that the authorized daily quantity can be a combined total of no more than 5000 cubic yds. a day imported for disposal in Monroe Co. Type II

Facilities. Discussion was held on III-2 the second paragraph and why it says 82 counties and then gives a list of specific counties. It was asked if we could change this paragraph

and add additional exporting counties or open it up to everyone. Further discussion was held.

A motion was made by Jim Neorr to approve III-2 IMPORT AUTHORIZATION with the addition of opening up to all counties, adding a line stating importing county Monroe, exporting county all other Michigan counties. Support by Bill McDonough. Motion carried.

Dan Stefanski asked for comments or questions on III-3. A motion was made by Jim Neorr to approve III-3 EXPORT AUTHORIZATION as written, support by Connie Velliquette. Motion carried.

A motion was made by Jim Neorr to approve III-5 SOLID WASTE COLLECTION SERVICES & TRANSPORTATION, support by Barry LaRoy. Motion carried.

**FUNDING RECOMMENDATION:** Dan thanked the members of the funding advisory workgroup for their participation. He gave a brief overview of what has been discussed at the four meetings held by this workgroup.

Marty gave an overview of the proposed resolution. This is the 3<sup>rd</sup> version of this resolution. Key elements were reviewed. The current and proposed fee increase was discussed. There are three components that the workgroup is recommending. Include a surcharge, add a hauler component and a generation fee so everyone who has access to solid waste program services are paying equal and the fee is equal among all haulers providing waste pick up in the county. Long term funding options should be addressed in the plan to provide options to move to that over a period of time. This is a 10 year plan and over that period of time we will be able to adopt additional funding mechanisms as the economy evolves.

Discussion was held on the use of the funds. This rate and program falls in line with the rest of the region. It would be about \$2.00 per household annually. The staff will work to educate the Commissioners before it is brought to the floor.

Motion by Jim Neorr to approve the resolution and ordinance. Support by Connie Velliquette. Motion by Jim Neorr to amend the original motion to approve just the resolution, support by Connie Velliquette. Bill McDonough asked if the title of resolution, SOLID WASTE FUNDING RESOLUTION needs to be changed to MONROE COUNTY SOLID WASTE DISPOSAL FACILITY FEE ORDINANCE as stated in the resolution. Discussion was held. It was determined that it will be up to the Board to give the ordinance a number and at that time, the resolution will be tied to the ordinance. County legal representation will also review all materials to ensure that they are prepared correctly. Motion carried.

Marty gave a brief summary of the hauler ordinance. There are not stickers on every truck, no licensing fee for every vehicle. There will be a \$50 a year, per company to register, quarterly reporting, what kind of truck and services provided, asks for customers, addresses or at least the number of customers. There are basic insurance requirements and basic requirements that you have to follow the law, be aware of it and obey it. Permitted to haul, permit review board if there are violations and permit can be revoked. It allows for one time, private jobs. The program is not meant to be burdensome to the haulers, just to provide accurate data to allow comprehensive planning and to ensure compliance.

Jim Neorr asked about catastrophic exemptions. Discussion was held. It was decided that under 3.07, #3 will be added stating that "the permit may be waived by the County Board of Commissioners in the best interest of the County".

Motion by Jim Neorr to accept the Monroe County Solid Waste (hauler) Ordinance with the addition of #3 The permit may be waived by the County Board of Commissioners in the best interest of the County in section 3.07. Support by Richard Reed. Motion Carried.

**PUBLIC COMMENT:** Audience member asked why the licensing had not come up for discussion earlier with this group. Marty and Dan explained that it had been discussed at this meeting and in many other previous meetings of the SWMPC. The June meeting it was decided that a workgroup would look at funding and come back with recommendations. Discussion was held.

One member asked to revisit 5.02. He asked if the wording should state that anything coming into Monroe Co. landfills currently are under the ordinance in place? Marty suggested a friendly amendment that the wording state the two ordinances are being integrated. Jim Neorr made the motion to add the integrated wording, support by Richard Reed. Motion carried.

- **8. NEXT MEETING DATE:** The plan will be distributed electronically; comments need to be made to Jamie by December 3<sup>rd</sup>. It will be open to the public by December 15<sup>th</sup>. The next meeting will be held on December 15<sup>th</sup> if requested by a committee member, if not it will be held in March 2011 @ 3:30. Location TBD.
- **9. ADJOURNMENT:** It was moved by Jim Neorr, support by Barry LaRoy that this meeting be adjourned. Adjournment was at 5:00 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 4:04 p.m.

**PRESENT:** Dan Stefanski, David Vossmer, Bob Strugarek, Nick Straub, R.

Lamar Frederick, Donna Lark, Barry LaRoy, Claire Jennings, Jim

Neorr

**EXCUSED:** Sister Janet Ryan, Gerald Greer, Bill Terry, Bill Parkus, Richard

Reed, Kurt Erichsen

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** Dan Stefanski added 5a revision to agenda. Requested presentation by Allied Waste. It was moved by Jim Neorr and support by Barry LaRoy to adopt the agenda as revised.
- **3.** Adopt Minutes from November 3, 2010 meeting: It was moved by Lamar Frederick and support by Donna Lark, to adopt the minutes from the November 3, 2010 meeting as written.
- Jamie Dean. First was a letter from the Milan Township Board pertaining to the Holcim Landfill. Jamie read the letter. Question by Jim Neorr asking if the Holicim landfill is going to be the right type of landfill to hold demolition of building materials such as concrete. The same concern was expressed by Nick Straub. Discussion was held. It was decided that we will get a written response from the State advising the landfill is equipped to hold this material. Dan Stefanski asked for a motion to put this written correspondence on file. It was moved to do so by Jim Neorr and support by Nick Straub. Motion carried.

A letter from Lucas County was read by Jamie Dean regarding the completion of the mandatory update of the Lucas Co. SW District Plan. There were no comments or questions. Dan Stefanski asked for a motion to put this written correspondence on file. It was moved to do so by Lark support by LaRoy. Motion carried.

**5. Proposed Plan Modifications:** A powerpoint presentation was given on the proposed plan modifications. Program numbers from 2010 were highlighted.

Dan Stefanski spoke on recent developments with the proposed rate increase ordinance and the program finances. Discussion included budget history, revenue, and tipping fee history. Jim Neorr questioned using the money that is in reserve and having to ask for money in the future. Discussion was held. Lamar Frederick, Jamie Dean, Dan Stefanski, Marty Seaman, Dave Vossmer all commented. Jamie explained that the proposal is to maintain the current tipping fee thru the Monroe County Solid Waste Disposal Facility Fee Ordinance at 18 cents per cubic yard. They would still like to proceed with the Hauler Licensing and Waste Generator Fee Ordinance. With a generation fee of 18 cents per cubic yard equal to the current ordinance fee. This would create an equal playing field for all. The Plan includes a description of a new internal workgroup being created to monitor the solid waste program and budget. It is termed the Solid Waste Implementation Task Force. There is representation on this committee from the County Board, EH, Chair of Solid Waste Planning Committee and others. This committee was further explained.

Discussion continued on the 18 cents per hauler and the anticipated costs associated. The revenue flow was reviewed and discussed along with the plan process and steps that need to be taken to finalize the draft Plan. Jamie advised we would need to go back to the Board of Commissioners Physical Resources Committee in June of 2011 with a recommendation on the Ordinance. Dan asked the Committee how they would like to proceed. The options are to ask the board for the added 18 cents generator fee or continue with what is currently in place. The role of the task force and their part in continued fee reviews was discussed. The need for justification of the fee, expenditures and what impact it will have on the citizens was also discussed. David Vossmer also explained Allied Waste proposed modification to the County Plan. Discussion continued.

Dan Stefanski suggested forming a sub-committee that will discuss the hauler ordinance. This sub-committee direction will be to come up with a recommendation that will work for all entities involved. All agreed on the formation of this committee. The committee will consist of Jim Neorr, Dan Stefanski, Jamie Dean, David Vossmer, Nick Straub, Tim Bell and Barry LaRoy.

A formal letter will be written to the Physical Resources Committee advising at this time we are not going to implement the 18 cents generator fee, but have formed a sub-committee to work towards an agreeable recommendation and would like an extension. Motion to send the formal letter to the Physical Resources Committee by Straub support by Vossmer. Motion carried.

David Vossmer from Allied Waste gave an overview of proposed modifications to the County Plan at Vienna Junction Landfill. He spoke about a 3 million yard capacity expansion that would add about 6 years capacity. The expansion would be on top of the old landfill so it would be a vertical expansion similar to what was proposed by Allied Waste several years ago. It was noted that if they are approved to modify the County Plan, they will still have to go through the process of getting a permit from Michigan Department of Environmental Quality. Dan advised there is no action on this today, it is just to bring it to the Committee's attention and it will be brought back at the next meeting. Dan expressed concern about not allowing public comment. The State mandated Plan Amendment process was reviewed and discussion was held. The proposed expansion at Vienna Junction Landfill will be put on the next agenda and a formal proposal will be given. Jamie will follow with a letter to Erie Township, the host community of the landfill, informing them of the proposed expansion and discussion to be held at the next meeting.

The draft of the Plan will be sent for review to the Planning Committee after the next meeting. It is nearly complete, but may require revisions based upon future Committee action.

**6. Public Comment:** Dan Stefanski called for public comment

Royce Maniko stated having written the original ordinance, he feels that it should be a level playing field and that this would be fair to all.

David Vossmer advised they have a 4 acre cell that they are putting a liner in. If anyone is interested on how it is being laid, it will be open for the next 60 days. He would be glad to give a tour.

Tim Bell thanked everyone for including the haulers and letting them be a part of the new committee. They have the 18 cents built in, that is not a problem. He is not sure the generator fee will work. He has concern with the fee and the manner in which the Ordinance is set-up.

Steven Essling from Waste Management of Hastings, MI introduced himself. He spoke about a fee in Traverse City that is similar to the generator fee. He said this is very hard to track and it's up to the honesty of the companies that are doing the reporting. He felt that 54 cents is not much to the homeowners but is not sure how it would affect the commercial and industrial sector.

**7. Next Meeting Date:** Jamie will send a few dates within the next week to the members of the sub-committee. A date will be determined at that time.

The next regular meeting of the Solid Waste Management Planning Committee will be held at 3:30 on Wednesday, July 27, 2011.

**8. Adjournment** — It was moved by Jim Neorr and seconded by Barry LaRoy that this meeting be adjourned. Adjournment was at 6:12 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:40 p.m.

**PRESENT:** Dan Stefanski, David Vossmer, Bob Strugarek, Nick Straub, R.

Lamar Frederick, Barry LaRoy, Claire Jennings, Jim Neorr, Bill

Terry, Kurt Erichsen

**EXCUSED:** Sister Janet Ryan, Gerald Greer, Bill Parkus, Richard Reed,

Donna Lark

Chairman Stefanski welcomed everyone, thanked them for their

attendance and asked for introductions.

- **2. Adopt/Revise Agenda:** It was moved by Jim Neorr and support by Claire Jennings to adopt the agenda as written. Motion carried.
- **3. Adopt Minutes from June 8, 2011 meeting:** It was moved by Barry Laroy and support by Bob Strugarek to adopt the minutes from the June 8, 2011 meeting as written. Motion carried.
- 4. Correspondence and Committee Communications: Jamie had a request from a hauler facility to be included in our plan. Henry Begziak from Carleton wants to become a certified Type B Transfer and Processing Facility for the purpose of demolishing mobile homes. Some information needed for the plan has been received. Jim Neorr asked to see more information. Mr. Begziak spoke on his demolition and the recycling of materials. His operation is smaller than Gaspers, but falls along the same line. Questions were asked and discussion was held. Both Mr. Begziak and Jamie Dean will contact the township on their regulations. Jamie will prepare the Facility Description for the next meeting. Mr. Begziak will return at our next meeting for a decision.
- to any conclusions. The ordinance is in review, and many options are being looked at. The sub-committee is not ready to come back with a report at this time. Jim asked if the utilities would be willing to report additional information on a quarterly/monthly basis. Jamie advised the DTE and Consumers both responded. DTE will be getting back to her with more information and she read what Consumers sent. Designated landfills were discussed. Dan explained that solid waste leaving the county would be charged the .18 cubic yard tipping fee and be paying the same as everyone else. Marty Seaman advised it is legal and viable approach. It is just more complex, requiring agreements with the landfill and the corresponding Counties. Jim Neorr asked about the revenue. It would be approximately \$70,000 in monies from import and export combined according to the numbers from the annual DEQ Solid Waste Report. Next discussed was the reporting of number of accounts. The question was presented to the board if they feel this

information should be gathered. It was explained that from the haulers side, this information would be proprietary. Discussion was held. No decision was made and the sub-committee will continue to discuss.

Presentation - Republic Waste/Vienna Junction Landfill: Dave Vossmer gave a presentation for their 6. request for expansion. It gave information of who is responsible of the site, slides of the site itself and the size of the grounds. It also gave disposal capacity and the types of waste that is handled. They have a new cell that is almost complete. Approximate start date of that cell of September. There are about 3,500,000 cubic yards left giving 5-6 years until capacity. He at this time is just asking for the expansion to be included in the plan. The requested expansion is for 3,500,000 cubic yards, about 5-6 years of additional life for the landfill. They will still have to go through the expansion process as required by the State. Being included in the plan does not give him permission to expand. Expansion area will be on top of the old landfill, cells 1 and 2 and will bring the height of those cells equal to what is permitted in the other cells, approximately 710 feet. Approximately 7,000,000 cubic yards with the expansion, giving them 10 to 12 years until capacity if the expansion is approved, exact length will depend on the rate and amount of waste that is brought in. Questions were taken. Discussion was held. Bill Frey, Erie Township Supervisor advised he would have no problem with this going forward. Jim Neorr moved to include Republic Waste/Vienna Junction Landfill to the plan, support by Bob Strugarek. Motion carried. Jamie will do a revised description in the plan once the final details are received from Vienna Junction.

Discussion on local zoning authority and the siting of solid waste disposal facilities.

- 7. **Public Comment:** Royce Maniko questioned the fees collected by the landfill and paid to Lucas County. Currently, it is at \$3.20 a ton and will go to \$5.20 in approximately 18 months. In addition, Lucas County will also assess a per household fee in the future to support the solid waste program. He also stated that the County may be interested in revisiting the previous Host County Agreement that was negotiated with the landfill previously, when the facility was owned by Allied Waste. The Agreement was not pursued once the facility was under the ownership of Republic Services.
- **8. Next Meeting Date:** To be determined. The next Haulers sub-committee meeting will be on Monday, August 29, 2011 at 3:00 at the Health Department.
- **9. Adjournment:** Chairman Dan Stefanski adjourned the meeting at 4:36 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

**PRESENT:** Dan Stefanski, Sister Janet Ryan, Bob Strugarek, Nick Straub, R.

Lamar Frederick, Barry LaRoy, Gerald Greer, Jim Neorr, Bill Terry

**EXCUSED:** David Vossmer, Bill Parkus, Richard Reed, Donna Lark, Kurt

Erichsen, Claire Jennings.

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Dan Stefanski asked to revise the agenda by moving Item 6 on the agenda up to Item 3. It was moved by Jim Neorr and support by Bob Strugarek to adopt the agenda as revised. Motion carried.
- 3. Update Proposed Type B Facility: Henry Begziak gave a brief overview of his demolition business. Jamie has a letter from the ordinance officer stating they have no issues. No state permit is needed. Jamie has also spoke with the Township Supervisor. Jim requested a letter stating that the township is ok with his business. Motion by Jim Neorr to include Mr. Begziak in the plan, second by Bob Strugarek. Motion Carried
- **Adopt Minutes from July 27, 2011 meeting:** Jim Neorr asked to change the statement by Erie Township Supervisor Jim Frey to read that Erie Twp. has no objection to the landfill expansion and not the way it's written, Mr. Frey as an individual. The tape will be reviewed. It was moved by Jim Neorr and support by Bob Strugarek to adopt the minutes from the July 27, 2011 meeting as revised. Motion carried.
- **5. Correspondence & Communications:** Jamie had a revised facility description from the landfill. It changed their capacity and years of life. It will replace the facility description we have now.
- ordinance and the new proposed ordinance will be combined into one. The facilities will collect fees. They will report if it's in county or out of county. The fees will also stay at .18 per cubic yd. Designated facilities were added, landfills will collect fees for any waste that was generated in the county and taken out of the county for disposal. Our waste would only go to those who are in agreement in the county. There will also be a haulers licensing fee of \$50.00. It would be per company and will provide the type of service provided and the geographic area. Reporting would be done monthly into either re-trac or another chosen reporting system the amount of waste collected, by type and where it was disposed. The ordinance also has an enforcement mechanism. For haulers if you don't do the reporting a notice is given with an escalating fine

scale and after five violations the board will have the right to remove the license. This will be monitored by the Monroe County E H Sanitary Code Board of Appeals. She would like to take the ordinance back to Legal Council next for their review.

Lamar Frederick had a few questions about the licensing fee of \$50.00. He does not feel that the amount will cover the cost of administration. Discussion was held. Jim Neorr requested a change on the Resource Recovery Fund. He knows the statement Prevention of Disease and Environmental Health Hazards has been removed. He would like statement F, Other programs, projects, or activities which are consistent with the goals of the Monroe County Solid Waste Management Plan as authorized by the Monroe county Solid Waste Coordinator and as approved by the Monroe county Board of Commissioners also be removed. Discussion was held. Dan advised this will be removed and prepare a draft document. It can be brought back to the table when a full review is done. Dan asked for a motion to take the ordinance to legal.

Tim Bell agreed the fee is justifiable but was concerned about the haulers from Ohio who are coming into the county, collecting and taking it out of the county. Dan advised this can also be taken to legal.

Motion by Jim Neorr, support by Bob Strugarek to take the revised ordinance to legal. Motion carried.

- **7. Public Comment:** Lamar Frederick wanted to make sure that Mr. Begziak will receive correspondence from us. It was advised that we would send a letter to him and also the township. Jamie also announced that October 8<sup>th</sup> would be the last solid waste collections. From 8:00 a.m. until 12:00 solid waste will be collected at the township hall. At the same time there will be a medication collection and a secure document shred at the Bedford Senior Center.
- **8. Next Meeting Date:** October 26, 2011 at 3:30 at the Monroe County Health Department.
- **9. Adjournment:** Motion by Sister Janet Ryan, support by Bob Strugarek to adjourn the meeting. Motion carried. Meeting adjourned at 4:03 p.m.



**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

PRESENT: Dan Stefanski, Sister Janet Ryan, Bob Strugarek, Nick Straub, R. Lamar

Frederick, Barry LaRoy, Jim Neorr, Bill Terry, David Vossmer, Richard

Reed, Donna Lark, Kurt Erichsen, Claire Jennings

**EXCUSED:** Gerald Greer, Bill Parkus

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Motion to adopt the agenda as written by Sister Janet Ryan, support by Donna Lark. Motion carried.
- **3. Adopt Minutes from September 21, 2011 meeting:** Motion to adopt the minutes as written by Sister Janet Ryan, support by Jim Neorr. Motion carried.

Mr. Neorr questioned if the July Committee minutes were revised. Jamie Dean responded that the recording of the minutes were reviewed and the minutes accurately reflect what was stated at the meeting by Mr. Bill Frey, Erie Township Supervisor, in regard to the landfill expansion. In order to ensure that the Erie Township Board is in support of the expansion, Jamie requested a letter of support. The letter was received and will be presented to the Committee at today's meeting.

- 4. Correspondence & Communications: None
- **5. Update Erie Township, Exeter Township:** Erie Township was contacted and a letter was sent to us reflecting their support of the landfill expansion. Jamie Dean read the letter from Township Supervisor, Bill Frey.

Exeter Township will be doing a follow-up inspection for Mr. Begziak before giving final approval.

- **Ordinance Review:** Dan Stefanski advised that the ordinance has been to legal and is now back for the Committee review. Legal has done two reviews at this time. A draft of the ordinance was handed out. The changes and suggestions were reviewed as follows.
  - Pg. 3, #8 Legal made a change to the sentence. It is also reflected in #18 on Pg. 4.
  - Pg. 4, #20 The meaning of Solid Waste had been changed.
  - Pg. 5, #26 Definitions have been updated. Cubic yardage had all ready been discussed.

Section 3.01 – Changes were made by legal. A-1 will go back to legal with notation for another review.

Section B&C -Jamie reviewed the complete section, no changes.

3.02 – Sections A, & B no changes, Section C the \$50 permit fee was clarified.

Section D – Legal determined that the Sanitary Code Board of Appeals cannot be used as an appeals board for this Ordinance and suggested that appeals be referred to the court system. All sections pertaining to this have been modified in this draft.

Section E – Some terms and wording were rearranged. The question of proration was asked if this ordinance does not go through until after the first of the year. It was decided to leave the section as is, and discuss if the question comes up from those following the ordinance.

Section G - This section is listed as A, B, C, and D. Had been listed as 1, 2, 3, and 4.

4.02 - The insurance requirements have been updated and reviewed.

Section B – There was the addition of cubic yards, loose or compact or tons. Recording by municipality or county was left in.

5.01 – Administrator is the Health Department and has been spelled out in the first definition.

6.02 – Penalties are the same as the current ordinance. Working with legal on an agreement between counties and facilities. Penalties will be spelled out in a separate agreement for any out of county facilities.

6.03 – Discussion on violations and fees was held. The goal will be to try to achieve compliance before getting to any enforcement point. In section E, Dan Stefanski suggested using the word may instead of will. Discussion continued. It was suggested by Mr. Frederick to change the wording in 6.03 to read; In case of five violations within a single year, the administrator may petition to a court of competent jurisdiction, to revoke the waste hauler permit for a period of up to five (5) years. This section will be revised as suggested and sent back to legal for review.

Once the ordinance is ready, the six (6) facilities will be contacted and the process to arrange agreements will begin.

**7. Update – Plan Status:** Discussion was held on the current status of the draft plan. Several previously adopted sections will have to be re-adopted with the relevant revisions related to the Ordinance and landfill expansion, including II-3, III-3, and III-4.

Jamie is proposing she finalize all of the sections possible and bring them back to the board for review and approval. Jamie will send that information for review before our next meeting.

- **8. Public Comment:** None
- **9. Next Meeting Date:** Wednesday, November 30<sup>th</sup> at 3:30 p.m. at the Monroe County Health Department. MEETING WAS CANCELLED.
- **10. Adjournment:** Motion by Bob Strugarek, support by Sister Janet Ryan to adjourn the meeting. Motion carried. Meeting adjourned at 4:30 p.m



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:35 p.m.

**PRESENT:** Dan Stefanski, Bob Strugarek, R. Lamar Frederick, Barry LaRoy,

Jim Neorr, David Vossmer, Donna Lark, Claire Jennings

**EXCUSED:** Gerald Greer, Richard Reed, Nick Straub, Sister Janet Ryan, Bill

Parkus, Bill Terry, Kurt Erichsen

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Motion to adopt the agenda by Barry Laroy, support by Jim Neorr. Motion carried.
- **3. Adopt Minutes from October 26, 2011 meeting:** Motion to adopt the minutes as written by Jim Neorr, support by Barry Laroy. Motion carried.
- **Correspondence & Communications:** Riverview Land Preserve is receiving waste from Monroe County, and need to therefore be listed in our plan. At the time of our last plan update Monroe County waste was not being exported to the facility. Currently, about 20% of our waste goes there. They filled out the same form as other facilities and those have been added to sections 2 and 3. These sections were previously approved but these have just been added.
- **5. Update Exeter Township:** Henry Begziak had originally asked to be in our plan as a Type B Transfer Facility to do mobile home demolition. The township advised he would need to go through some zoning class changes. According to the township, Mr. Begziak does not want to continue so he will be taken out of the plan before it is finalized. Jamie is waiting for a response from Mr. Begziak.

**6. Plan Review & Next Steps:** Jamie had just the sections that need to be approved, printed for review. Each section was reviewed.

**Section I-1 Executive Summary:** This section is SEMCOG data. There has been no changes. The data is from 2010 and the projection information is from what the consultant put together. If there are sections that need to be change, they can be as this is not the final draft. Barry asked what will happen if local approval is not 67% as required. Jamie advised that if it does not receive local approval the DEQ will take over the plan.

Plan Approval Process - Motion to approve by Barry Laroy, support by Bob Strugarek. Motion carried.

Selected Alternative – Changes will be made to the wording "super drop-off site", super will be removed. Also under multi-family residential recycling, the word "would" will be changed to "could". Motion to approve by Barry Laroy, support by Bob Strugarek. Motion Carried.

Authorized Management Component – The bullet points, facility inspection and authority to respond to complaints, issue and concerns about facilities located within county will be removed from under Certified Health Department Designation. Motion to approve with changes Jim Neorr, support by Donna Lark. Motion carried.

**Section I-2 Introduction:** The introduction is a state regulated paragraph.

Goals and Objectives – Motion to approve Donna Lark, support by Claire Jennings. Motion carried.

**Section II Database:** This section was previously approved.

Sections III-1 The Selected Solid Waste Management System. III-2 Import
Authorization, III-4 Solid Waste Disposal Areas/Facility Descriptions, III-5 Solid
Waste Collection Services and Transportation: These sections were previously approved.

**Section III-3 Export Authorization:** This section had been previously approved. Dan advised that the administration has had concerns with the ordinance that is tied to this section. He advised that due to those concerns the draft ordinance under consideration has been pulled from the plan. It will be referenced but will be adopted by the county separately so it can follow its own timeframe for approval. The old ordinance will still be in the plan and as the new ordinance works its way through the county it will be adopted at a later time and then will be added to the plan. Jim Neorr asked about this committee having any input on the ordinance if the county takes control. He also expressed concerns that money from the ordinance will not go strictly to solid waste, but be used in other areas of the county. Discussion was held. Motion by Jim Neorr to leave the new ordinance in the plan and let it take its course. Support by Bob Strugarek. The vote was 7 yays, 1 nay, motion carried. The draft ordinance will be brought back to the Committee at the next meeting.

**Section III-6 Resource Conservation Efforts:** Motion to approve by Jim Neorr, support by Barry Laroy. Motion carried.

**Section III-7 Waste Reduction, Recycling, & Composting:** Take the word "super" out and change the word "would" to "could" in this section. Motion to approve Barry Laroy, support by Donna Lark. Motion carried.

**Section III-7 tables:** Motion to approve by Claire Jennings, support by Dave Vossmer. Motion carried.

**Educational and Informational Programs:** Motion to approve by Jim Neorr, support by Dave Vossmer. Motion carried.

**Section III-8 Timetable for Selected System Implementation:** This section will be left in draft until a decision is made on the ordinance.

Section III-10 Solid Waste Management Components: This section will be left in draft.

**Section III-11 Identification of Responsible Parties:** Motion to approve Jim Neorr, support by Bob Strugarek. Motion carried.

**Section III-12 Local Ordinances and Regulations Affecting Solid Waste Disposal:** This section will be left in draft.

**Section III-13 Capacity Certifications:** Riverview Landfill will be added to the table. Monroe Power Plant Ash Basin will be change to DTE Monroe Power Plant Fly Ash Basin. Motion to approve by Jim Neorr, support by Barry Laroy. Motion carried.

# Appendix A: Additional Information Regarding the Selected System Evaluation of Recycling.

The word "super" will be deleted from appropriate sections.

Motion to approve Potential Recycling and Composting Programs, Detailed Program Features, and Coordination Efforts, leaving Costs and Funding, Evaluation Summary of Selected System, and Advantages and Disadvantages in draft form by Jim Neorr, support by Bob Strugarek. Motion carried.

**Appendix D: Plan Implementation Strategy:** The title will be changed and this section will be left in draft.

- **7. Public Comment:** None
- **8. Next Meeting Date:** Tuesday, January 17<sup>th</sup> 3:30 5:00 pm at Monroe County Emergency Management Office.
- **9. Adjournment:** Motion by Barry Laroy, support by Bob Strugarek to adjourn the meeting. Motion carried. Meeting adjourned at 5:10 p.m.

# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:30 p.m.

**PRESENT:** Dan Stefanski, Bob Strugarek, R. Lamar Frederick, Barry LaRoy,

Jim Neorr, David Vossmer, Richard Reed, Bill Parkus, Nick Straub,

Bill Terry

**EXCUSED:** Gerald Greer, Donna Lark, Claire Jennings, Kurt Erichsen, Sister

Janet Ryan

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Motion to adopt the agenda by Jim Neorr, support by Bob Strugarek. Motion carried.
- **3. Adopt Minutes from January 4, 2012 meeting:** Motion to adopt the minutes as written by Commissioner Frederick, support by Bill Parkus. Motion carried.
- **4. Correspondence & Communications:** None
- **5. Plan Review & Next Steps:** Dan advised the focus of this meeting will be the revisions made after bringing back the ordinance at the last meeting. The revised ordinance was handed out.
  - **Page 6 B Fees, Method of Collection:** Per Jamie, the first sections stayed the same. B1 the second paragraph is a clarifier for this section. Dan read the paragraph. B2 was added asking for documentation. This will allow us to keep track of everything that goes out and comes in. B3 we are asking the Solid Waste Disposal Facilities to collect the fees. Payment will be due and a form will be filled out and sent with payment. There was no changes in B3. Discussion was held.

# Section 5.03 - Penalties for Disposal Facilities for Under-Reporting and/or Under-

**Payment:** Dan reviewed the section and discussion was held. Jim Neorr asked if this section was now acceptable to the original group that questioned this before. Dan advised this is what was brought back from Health Department Administration. Jason Sheppard asked how this portion was going to be enforced. Jamie explained there is a section that provides auditing. She also advised that Part 115 of the Solid Waste Law states that waste must be reported to the state annually from landfills. The haulers will be reporting to the County on a monthly basis. Discussion continued.

Section 5.04 – Penalties for Waste Haulers for Failure to Obtain a Permit, Failure to Submit Accurate and Timely Reports, and/or Failure to Notify Administrator of Changes: The penalties were changed from a 1yr. period to a 3yr. period.

**Section 5.05 – Dispute Resolution:** This is a new section. Dan read and reviewed the section. Commissioner Frederick expressed concerns over the way this section is worded and feels it should be reviewed. Jamie advised this still has to go to legal review and the language will be revised per legal recommendations.

Jamie advised the rest is the same. Dan asked if there were any other changes or clarifications needed from the Lawyers or Health Department. Commissioner Frederick would like specific information on the following; 1. Is it enforceable, 2. How do you enforce it, 3. How do you document the recycling, and 4. How do we go about enforcing fines. The remaining versions of the plan will be edited as needed. The ordinance will be added back into the plan.

The changes in the plan were reviewed as follows.

**III-3 Export Authorization:** The only change to this section was in the table. Facilities that were not previously listed were added under the appropriate County. There will be a separate agreement included as an attachment. Motion to accept the changes by Bill Terry support by Bill Parkus. Motion carried.

**III-8 Timetable for Selected System Implementation:** This table was cleaned up and is the correct table. Numbers 19 and 20 in the table will be listed as current/ongoing if the ordinance is in place. Motion to revise III-8 by Jim Neorr, support by Barry LaRoy. Motion carried.

**III-4 Solid Waste Disposal Areas:** Section was edited as needed for the Ordinance.

**III-10 Solid Waste Management Components:** This section was reviewed and explained. Jim Neorr questioned the Planning Departments role. They supply just data at this time. The mention of the Solid Waste Disposal Facility Fee Ordinance will be changed to the current title. Under Need of the Management Component, first sentence, four principal gaps will be changed to three. Number 4 – Establishing a solid waste data tracking mechanism to collect data necessary in the development of programming to help meet the goals established in this plan will be removed. It was suggested by Dan that the committee review this section on their own and it will be brought back to the next meeting.

**III-12 Local Ordinances and Regulations Affecting Solid Waste Disposal:** This is the section where the new ordinance will be put. What goes in this section will depend on what is approved. This section was reviewed. The first paragraph will stay and the ordinance information will be put below. We will have a motion on this when the ordinances comes back.

**Appendix A** — The title of the new ordinance will replace any mention of the old title. The first half of this appendix has been approved. This is the remaining half of this section. Programs are listed, estimated costs per year is given. These are subject to change. Under Advantages and Disadvantages of the Selected System: Advantages — Numbers 4 and 7 were read aloud. The wording per Jamie is good as written. Under Program Description — Expanded Drop-off Sites, the funding source should be changed to say Public Partnership. Motion by Jim Neorr to approve Costs & Funding, Evaluation Summary of the Selected System, and Advantages and Disadvantages of the Selected system with revisions, support by Bob Strugarek. Motion Carried.

**Appendix D – Plan Implementation Strategy:** After reviewing other county plans, Jamie removed the table and added the second paragraph statement. This statement has been approved by the state in other County Plans. Motion to adopt Appendix D by Jim Neorr, support by Barry LaRoy. Motion carried.

- **6. Public Comment:** None
- **7. Next Meeting Date:** Wednesday, February 22, 2012 at 3:30. Room TBD
- **8. Adjournment:** Motion by Jim Neorr, support by Richard Reed to adjourn the meeting. Motion carried. Meeting adjourned at 4:30 p.m.

Wariel W Stefanski

# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:32 p.m.

**PRESENT:** Dan Stefanski, Bob Strugarek, Barry LaRoy, Jim Neorr, Nick

Straub, Bill Terry, Donna Lark, Claire Jennings, Kurt Erichsen,

Sister Janet Ryan

**EXCUSED:** Gerald Greer, R. Lamar Frederick, David Vossmer Bill Parkus,

Richard Reed

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Motion to adopt the agenda by Jim Neorr, support by Barry LaRoy. Motion carried.
- **3. Adopt Minutes from January 17, 2012 meeting:** Motion to adopt the minutes as written by Barry LaRoy, support by Donna Lark. Motion carried.
- **4. Correspondence & Communications:** Letter from Martin Kamprath, Lennard, Graham & Goldsmith, to be presented under: 5. Plan review & next steps.
- **Plan Review & Next Steps:** Jamie advised that the remaining sections for the plan to be approved are III-10 and III-12 along with the Attachments which are dependent on the draft Solid Waste ordinance. The draft for section III-10 was distributed for discussion, III-12 cannot be finalized until the proposed Solid Waste Ordinance is approved by the Committee and the County Board of Commissioners.

**III-10 Solid Waste Management Components:** Discussion was held on the section. The only change to this section will be in the text directly above (F) in the Implementation of the Management Component section. It will be changed to read "Other steps that may be taken as

part of the Management Component include:. Motion to accept the changes by Jim Neorr support by Bill Terry. Motion carried.

Discussion was then held on the draft Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance. Jamie distributed a document listing the recommended changes provided by legal counsel. The recommendations include establishment of a municipal civil infractions bureau within the health department to collect assessed fines with any contested violations to be provided the appropriate due process for municipal civil infractions in the Monroe County District Court. They also recommend the misdemeanor punishment be re-inserted into the Ordinance as allowed by law. Other recommendations include adding a process to review, suspend and/or revocate a permit to operate after repeated violations and providing the health department with the discretion and authority to enforce the provisions of the ordinance through all available civil remedies, both legal and equitable, including but not limited to injunctive relief as provided by Michigan law. The group discussed the legality of the health department to be able to issue citations and enforce the provisions of the ordinance. Jamie stated that legal has advised that this authority can be granted through ordinance by the Board of Commissioners.

The committee voted to accept these recommendations and send the ordinance back to legal for these items to be included. Motion made by Jim Neorr with support from Sister Janet Ryan.

- **6. Public Comment:** None
- **7. Next Meeting Date:** Tentatively set for Thursday, March 22, 2012, at 3:30 at the Monroe County Emergency Management Building pending the ordinance being revised by legal by that time. Jamie will notify the Committee if the meeting needs to be postponed.
- **8. Adjournment:** Motion by Barry LaRoy, support by Donna Lark to adjourn the meeting. Motion carried. Meeting adjourned at 4:05 p.m.

Signed: Daniel Stefanski, Chair

Waniel W Stefanski

# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:40 p.m.

**PRESENT:** Dan Stefanski, Bob Strugarek, Barry LaRoy, Nick Straub, Bill

Terry, Commissioner R. Lamar Frederick, Kurt Erichsen, Jeff Ceo,

Kevin Sugar

**EXCUSED:** David Vossmer Bill Parkus, Richard Reed, Donna Lark, Claire

Jennings, Jim Neorr

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

**2. Nominate and Elect Chair and Vice Chair:** Dan Stefanski opened the floor for Chair nominations. Bob Strugarek made a motion to nominate Dan Stefanski as Chair, second by Barry LaRoy. Motion carried.

The floor was opened for Vice Chair nominations. Motion by Commissioner Frederick to nominate Jim Neorr as Vice Chair, second by Bob Strugarek. Motion carried.

- **3. Approve By-laws:** There were only small changes to the by-laws. Numbers 7 and 8 has changed to reflect Part 115. Jamie reviewed those changes and will update by-laws on file.
- **4. Adopt/Revise Agenda:** Motion to adopt the agenda by Commissioner Frederick, support by Nick Straub. Motion carried.
- **5. Adopt Minutes from February 22, 2012 meeting:** Motion to adopt the minutes as written by Bill Terry, support by Barry LaRoy. Motion carried.
- **6. Correspondence & Communications:** None
- **7. Revised Ordinance:** The ordinance has been to legal and back numerous times. Dan Stefanski suggested sending this to the county board, and sit back down in a month to go over their comments and concerns. The main changes are in Article 5. Those changes are revisions prepared by legal. Commissioner Frederick advised that Commissioner Sheppard is prepared to

review this at the Physical Resources Committee. Motion by Commissioner Frederick to send the ordinance to the Physical Resources Committee for review, second by Bob Strugarek. Motion carried. Copies will also be sent to the entire Board of Commissioners.

**8. Plan Review & Next Steps:** Jamie has a draft of the last remaining section of the plan that can be completed at this time. Jamie reviewed that section. Bill Terry advised that on the by-laws there is a difference of how it is described compared to this section. It should say Part 115 in the by-laws. That change will be made. Motion by Bill terry to accept section III-12 as written. Support by Jeff Ceo. Motion carried.

The next step would be to meet again once the ordinance is through. Any changes will be made and then the next step would be the 90 day public comment. After those 90 days, we will make any necessary changes from public comment. It will then go to the Board of Commissioners for approval. Once Board approval is granted, the Plan will be forwarded to the municipalities and must receive a 67% yes vote. After that, it will go to the state.

#### 9. Public Comment:

Commissioner Frederick advised that the Health Department has received state accreditation and the state spoke highly of the Solid Waste group. He also advised that the 2013 budget presentation shows a 1.9 million deficit. One of the commissioners suggested that any work a county agency is doing that the state could do; we may be pushing back to them to do. Services will be prioritized.

- **10. Next Meeting Date:** The next meeting will be held on May 23<sup>rd</sup> at 3:30. Jamie will advise if that date needs to be changed.
- **11. Adjournment:** Motion by Bob Strugarek, support by Kevin Sugar to adjourn the meeting. Motion carried. Meeting adjourned at 4:10 p.m.



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, Chairman, called the meeting to order at 3:30 p.m.

**PRESENT:** Dan Stefanski, Bob Strugarek, Barry LaRoy, Nick Straub, Bill

Terry, Kurt Erichsen, David Vossmer, Bill Parkus, Richard Reed,

Claire Jennings, Jim Neorr

**EXCUSED:** Donna Lark, Commissioner R. Lamar Frederick, Jeff Ceo, Kevin

Sugar

Chairman Stefanski welcomed everyone, thanked them for their

attendance.

- **2. Adopt/Revise Agenda:** Motion to adopt the agenda by Jim Neorr, support by Bill Parkus. Motion carried.
- **3. Adopt Minutes from April 25, 2012 meeting:** Motion to adopt the minutes as written by Bill Terry, support by Bob Strugarek. Motion carried.
- **4. Correspondence & Communications:** Jamie Dean announced to the group that the Solid Waste Regulation Ordinance was adopted by the Monroe County Board of Commissioners and became effective August 4, 2012. Staff is now working on implementation.
- 5. Plan Review & Next Steps: Jamie detailed the next steps required for the plan since the passage of the Ordinance. The Hauler Permit applications have been sent out and are due back to the Health Department by October 1, 2012. The hauler section of the plan will be updated accordingly. The on-line reporting system will be ready for viewing by staff at the end of September and should be operational in October after all of the operating haulers have returned applications and been entered into the system. County legal counsel is drafting the agreement which will need to be signed by those out of county solid waste disposal facilities that choose to be included as a disposal location for solid waste exported from Monroe County. Once the agreement has been drafted, the agreement will be sent to out of county facilities that currently accept Monroe County waste. Those facilities will be given thirty (30) days to respond to the County. Those facilities who agree to sign the agreement will remain in the Solid Waste Plan as

export locations for Monroe County waste, those facilities which choose not to sign the agreement will be removed from the plan and will not be permitted to accept solid waste exported from Monroe County. Once this information is received the export section can be finalized and the appropriate materials including maps and agreements can be added to the attachment section of the Plan and the plan will be ready for release for public comment and a public hearing will be scheduled. It is mandated that the public comment period be at least 90 days in length. Motion by Jim Neorr and second by Nick Straub to request that staff complete the plan as outlined above, send the plan out in final form to committee members and ask for comments within five (5) days of being sent the final version. If any member would like to reconvene the committee, a meeting to review the final plan elements will be set. If there are no requests for a meeting, the plan is authorized for release for public comment. Motion carried.

**a. Public Comment/Public Hearing Schedule**: Jamie reported that they public comment period will be at least 90 days as required and one public hearing will be scheduled during that time period. Once the plan is finalized it will be sent to the committee, if no committee member requests a meeting the plan will be released for public comment.

6. Public Comment	6.		Pul	blic	Co	mm	en	t:
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None.

Jamie announced the last collection events for 2012 to be held September 29 in Bedford Township for Household Hazardous Waste, unwanted medications and secure document shredding.

- **7. Next Meeting Date:** The next meeting will be held at the call of the Committee if needed.
- **8. Adjournment:** Motion by Bill Parkus, support by Bob Strugarek to adjourn the meeting. Motion carried. Meeting adjourned at 3:50 p.m.



# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Jamie Dean, called the meeting to order at 1:00 p.m.

**PRESENT:** Dan Stefanski, Jackie Willis, John Stark, Gary Wilmoth, Barry

LaRoy, Jim Neorr, Bill Terry, Donna Lark, Kurt Erichsen, Gerald

Rand, Jason Dobson, Anthony Abela

**EXCUSED:** Shelly Elisech, Bill Parkus, Atira Mabin

Jamie Dean welcomed everyone, thanked them for their

attendance.

**2. Nominate and Elect Chair and Vice Chair:** Motion to nominate Dan Stefanski as Chair

by Barry Laroy, support by Jim Neorr. Motion carried.

Motion to nominate Jim Neorr as Vice Chair by Barry Laroy, support by Bill Terry. Motion carried.

- **3. Adopt/Revise Agenda:** Request to add Matlin Rd. Landfill. Motion to adopt the agenda as revised by Jim Neorr, support by Barry Laroy. Motion carried.
- **4. Adopt Minutes from September 5, 2012 meeting:** Motion to adopt the minutes as written by Jim Neorr, support by Bill Terry. Motion carried.
- **5. Correspondence & Communications:** Jamie Dean had two updates to our previous plan update. First is a letter of consistency to the DEQ for the vertical expansion of the Vienna

Junction Landfill. That is under review right now by the DEQ. The second is a letter to the DEQ for the consistency of the Monroe Power Plant Ash Basin for some revisions they are doing there. This is also under review by the DEQ.

There were two communications passed around related to our presentations by Republic. One is the letter from Vienna Junction requesting some revisions to what is currently written in the draft plan to include an expansion and solid waste transfer station and 2<sup>nd</sup> is a letter of support from Erie Township.

**Plan Status Update:** Jamie sent the previous plan to the committee. She did some revising on the tables and updated some population data so it is more current. She also added a couple more programs such as the RedMed boxes, etc. Those were the types of changes made. She then welcomed questions.

She advised that when we last met from the September 2012 meeting minutes we were waiting on agreements to be signed. We now have those and are ready to move on. There is a state mandated process we have to follow as directed by the state. She explained that there has to be a public comment period and then it has to go through the county and the municipalities. She explained the location of that information.

- 7. Presentation – Republic Services, Vienna Junction Landfill: John Stark from Vienna Junction advised they have put in a request for a horizontal expansion and a possible solid waste transfer station. He also introduced an engineer and financial manager to help answer questions. An overview was given. The expansion would give an extra 14 years of life and they would like it included to the plan. It has to be put into the plan before the State of will give it any consideration. This will allow them to approach the state. Barry Laroy asked if there would be any wetland mitigation. John said yes there will be a small portion to mitigate. Dan Stefanski advised that Erie Township is in favor of the expansion. It was also asked if it was a 1-1 ratio for mitigation. That has not been determined yet. There is a lot to do before that, including taking it to the highest level of the company. John feels that the thought is it will be more like 3-1 in exchange. At the end of the 14 yrs., he showed a very preliminary plan for a Transfer Station in Erie. The location will be off of S. Dixie Hwy., north of Lavoy Rd. Jim Neorr asked if any part of it was in Bedford Township. John advised there is the back part of the property in Bedford that is used for truck parking. All of the Transfer Station will be in Erie Twp. Jim also asked what type of waste would be brought there. Jamie Dean advised it will be Type A Transfer Station. A facility description page will be added for the Transfer Station and the current Facility Description Page for the Landfill will be edited to include the expansion.
- **8. Matlin Rd:** Anthony Abella from Homrich/Regulated Resource asked for approval to take the steps to increase slopes on the final cover. The 30 year construction permit was done in the 80's on the 40 acre type III landfill. The design standards that were applicable in the 80's are not applicable today. They have constructed a couple different cells in the last couple of years and they have been constructed under the current

design standards. They are at a 7% design now and can go to a 25% slope. They do have host community support and they did reach an agreement with the Monroe County Road Commission to improve Grafton Rd. from Will Carleton to Matlin Rd. It is a 40 acre site and there is no expansion wanted. They are just asking to get the slopes up to current allowable standards. Jim Neorr asked how much waste will it allow them to add to the site. At this time they are not sure, they will be meeting with engineers to determine that. DEQ has informed them they will need a new construction permit. Jamie reiterated that on the pages that say Matlin Rd. Landfill changing the current capacity that says 701,000 cubic yards. That along with any maps they would submit. Jim Neorr asked about any FAA issues. There should be no issues with FAA intrusion. How it would be listed in the plan was discussed.

**9. Next Steps:** Motion from Jim Neorr to approve the request from Republic Services for the expansion of the landfill and the location of the transfer station. Support from Gary Wilmoth.

Jim Neorr commented on his reason to approve. The Erie Twp. Supervisor also stated he has no issues with this request. A question was asked if there was still an agreement in place between the adjacent land owners and the company to purchase their property if they do not want to be there anymore. John advised yes, that is still in place. Motion carried.

Jim Neorr asked if Matlin Rd. has the approval of the township for their slope increase. Jamie advised she does have a letter stating that they are approving of the request. Anthony advised they did have a special meeting and received support from the township. Jim also asked if they provide any other benefits to the citizens of Ash Township. Anthony gave an overview of what they offer and do for the community. Dan Stefanski read the letter received from the township supporting the modifications request.

Motion from Jim Neorr to approve that Matlin Roads revision be included in the plan. Support by Barry LaRoy. Motion carried.

- **10. Public Comment:** No comments or questions
- **11. Next Meeting Date:** Jamie reviewed what needs to happen next and if ready it can be put out for public comment. Discussion was held.

Motion by Jim Neorr to put open the public comment period. Support by Gary Wilmoth. Motion carried.

**12. Adjournment:** Motion by Bill Terry to adjourn, support by Barry LaRoy. Motion carried

Daniel W Stefowski

# MONROE COUNTY SOLID WASTE PUBLIC HEARING

**1. Call to Order:** Chairman Dan Stefanski called the meeting to order at 10:00 a.m. He advised comments and questions will be accepted. He asked that comments or questions be written down. Questions and comments will all be given a written response.

With that, he opened the floor for questions or comments.

Chairman Stefanski advised there were copies of the amendments available if anyone would like to go through them. He explained the next step would be to take it back to the Solid Waste Committee, then the County Board, then Municipalities, and finally to the State for resolution.

Chairman Stefanski made a second call for public comment and thanked those that attended.

**2. Adjournment:** Meeting adjourned at 10:10 a.m.

Daniel W Stefowski

# NOTICE OF PUBLIC COMMENT PERIOD & PUBLIC HEARING

MONROE COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

The Monroe County Solid Waste Management Plan Amendment that is authorized under Act 451, Part 115 of the Michigan Environmental Protection Act, 1994 will be released for public review and comment. The release of the draft plan amendment is the first track of the approval process of the plan.

A 90-day public comment period for the Draft Solid Waste Management Plan Amendment will be held from June 26, 2015 through September 26, 2015. The draft plan can be reviewed at the Monroe County Health Department, 2353 South Custer Road, Monroe, Michigan 48161. Office hours are Monday through Friday, 8:00 a.m. to 5:00 p.m. Comments may be made in person or by mail, fax or e-mail. A public hearing for the plan is schaduled for:

Tuesday, August 25, 2015, et 10:00 e.m. Monroe County Health Department 2353 South Custer Road, Monroe, Michigan, 48161

After the comment period, the Solid Waste Management Planning Committee will make any necessary changes based on comments received either in writing or at the public hearing. All written comments shall be directed to Jamie Dean, Monroe County, at the address or electronic mail below.

Jamie Dean Solid Waste Coordinator 2353 South Ouster Rd. Monroe, MI 48161 Jamie\_dean@monroemi.org Office: 734-240-7909 Fex: 734-240-7948

July 30, 2015

Placed in Monne Evening, Naws June 30,2015

# PLEASE SIGN IN

# PUBLIC HEARING PLEASE ADD ALL INFORMATION

Proposed Amendment to the Monroe County Solid Waste Management Plan August 25, 2015 Monroe County Health Department 2353 South Custer Road, Monroe, MI

NAME	ADDRESS	REPRE	SENTING	PH	ONE/EM.	AIL
	Elizondo			734-6	848-80	20
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# MONROE COUNTY SOLID WASTE PLANNING COMMITTEE

**1. Determine quorum, call meeting to order, introductions:** A quorum being present, Dan Stefanski, called the meeting to order at 1:11 p.m.

**PRESENT:** Dan Stefanski, John Stark, Nick Straub, Gary Wilmoth, Barry

LaRoy, Jim Neorr, Bill Terry, Gerald Rand, Jason Dobson,

**EXCUSED:** Shelly Elisech, Bill Parkus, Atira Mabin, Jackie Willis, Donna Lark,

Kurt Ehrichsen, Anthony Abela

Dan Stefanski welcomed everyone, thanked them for their

attendance.

**2. Adopt/Revise Agenda:** Motion to adopt the agenda as written by Bill Terry, support by

Gerald Rand. Motion carried.

- **3. Adopt Minutes from June 16, 2015 meeting:** Motion to adopt the minutes as written by Gerald Rand, support by Gary Wilmoth. Motion carried.
- 4. Correspondence & Communications: Dan Stefanski stated an email was received from Republic Services asking to be added to the agenda. Republic explained that they would like to be included in the plan as a processing facility as well as a landfill. They have been made aware that the DEQ is looking at clarifying their solidification policy. One thing they are looking at is if you want to solidify liquid waste at your landfill, which they currently do, once the policy is passed, it will require them to get a permit and be classified as a processing facility. What they are asking is to be classified in the plan as a processing facility and landfill. By doing so now, it will prevent having the plan reopened at a later date.

Dan reiterated that this is something they do now and have been doing for years, it is just an extra permit needed by the facility. Republic said it is being done so solidification around the state will be consistent. Republic is in the plan just not classified as a processing facility. They are asking that the plan be amended to included possible future permitting for the process they are currently doing. It was asked by Bill Terry if staff should be provided with appropriate wording. Jamie advised she would speak to the state before making changes and finalizing. She gave the options for adding their request. One, either add another facility description page or it can be added to the description they all ready have. Discussion was held.

Motion by Bill Terry that the proposed modifications to the description for Vienna Junction be added to the plan, support by Gary Wilmoth. Motion carried

- **5. Public Hearing Review:** Dan Stefanski advised a public hearing was held on August 25, 2015. There were no comments. The floor was opened at 10:00 a.m. and was left open for 10 minutes. They did have a conversation with one person and advised him that the host community agreement was between the municipality and the landfill and that this board has nothing to do with that agreement. He would have to go back to the township. Adjournment was at 10:10 a.m.
- **Plan Status Update:** Jamie gave an overview of the flowchart. She advised that September 26<sup>th</sup> is the end of our 90 day public comment period. Any motion we have moving forward would be contingent on not receiving any additional comments that need to be undertaken by the board. If approved the draft plan would be sent to the county board for their approval. Once approved by the Board, we will go to the municipalities for approval. We need 67% approval which is 17 municipalities. After that, it will go to the DEQ for editing.
- **7. Next Steps:** Dan Stefanski and Jamie advised the next step would be to get approval and the plan sent to the County Board.

Motion by Gary Wilmoth to accept the plan with the modifications for Vienna Junction and forward to the Board of Commissioners after September 26<sup>th</sup> when the 90 day public comment period has ended. Support by Gerald Rand. Motion Carried.

**8. Public Comment:** Tim Bell from Stevens Disposal asked about the ordinance and licensing. He is concerned about unidentified haulers coming in and out of the county. The actual licensing being done and the reporting, does it go back to the facilities or the corporate company? In Monroe County we have trucks that come in from other counties. Since each facility is run separately is that an individual license? Jamie advised yes, those are individual. The ordinance is a standalone document but until the plan was moving forward and all the pieces in place, they have not been asked to pay a fee again. They are all on file and renewal notices were sent.

Once the plan is adopted it will be enforced. The haulers each have their own license. Jamie advised we will do our due diligence to enforce the ordinance if we can prove that the haulers are in violation.

Chris Westover advised that Jamie will be less and less involved moving forward and thanked her for all of the time and effort she has put into this plan and the program.

- **9. Next Meeting Date:** Nothing scheduled unless modifications are needed. Discussion was held on the municipality approval. Jamie explained how those notifications are handled.
- **10. Adjournment:** Motion by Jim Neorr to adjourn, support by Gary Wilmoth. Motion carried

Pariel W Stefonski



Kim Comerzan, MSN, RN, CNS Health Officer/Director Carl J. Schmidt, MD, MPH Chief Medical Examiner/Director

October 15, 2015

Mr. J. Henry Lievens, Chairman Monroe County Board of Commissioners 125 East Second Street Monroe, MI48161

#### Re: Monroe County Solid Waste Management Plan Amendment

Dear Chairman Lievens and Commissioners:

By way of this letter, the Board of Commissioners (Board) is requested to approve the draft amendments of the Monroe County Solid Waste Management Plan Amendment (Plan).

In an effort to maintain services and provide them in a manner relevant to the current state of our community, the Board concluded that the current plan last approved in 2001 needed to be revised. In 2009, the Board approved opening the Plan to begin the amendment process to draft a Plan that addresses current conditions and prepares for the County's future solid waste management needs. Under State of Michigan requirements, the Plan addresses the following: 1) outlines waste management goals and objectives to be met, 2) waste management strategies utilized in the county to ensure proper disposal, 3) guarantees waste disposal capacity to meet the needs of the County for at least 10 years, 4) specifies which solid waste disposal facilities will be used to dispose of county generated waste, 5) outlines processes for licensing new facilities within the county, 6) details the enforcement mechanism to be used within the County to ensure compliance with the Plan, and 7) describes programs available to decrease waste generation and promote resource recovery, including household hazardous waste collections, tire collections, electronics recycling, the environmental fund grant program, green schools, medication waste disposal, resource and energy conservation programs and more.

The draft of the amended Plan has been prepared by the Monroe County Health Department (MCHD) under the direction of the Solid Waste Management Planning Committee (Committee), whose members are appointed by the Board. A copy of the draft Plan can be found at: <a href="https://goo.gl/2F7KvR">https://goo.gl/2F7KvR</a>

#### Key highlights of the draft amendment include:

- A revised Solid Waste Disposal Facility and Hauler Licensing Ordinance (adopted by the Board of Commissioners on 8/4/2012)
- Updated facility descriptions, specifically for the Vienna Junction Industrial Park Sanitary Landfill and Matlin Road Landfill
- · Designation of solid waste disposal facilities to be utilized by the county for the next ten years

Per the State required plan process, a public hearing was held on August 25, 2015, at which time no objections were heard. Subsequently, at the September 22, 2015 meeting of the Committee, it was decided, barring any additional public comments, that the Plan should be placed before the Board for their approval. On September 26, 2015 the public comment period came to a close with no additional comments.

Following approval by the Board, the MCHD will gather local municipality support to accept the Plan. Approval by greater than 67% (17 of 24) of local municipalities is required prior to forwarding to the State for final approval.

In an effort to move forward with the Plan process, with full support from the Committee and without public objection, we are requesting that the Board approve the Plan amendment as drafted.

Thank you for your time and consideration of this request,

Km Comerzan, MSN, RN, CNS Health Officer/Director

Kim Comenan

Dan <u>Stefanski</u> Solid Waste Planning Committee Chair

Daniel W Stefanski

Monroe County Board of Commissioners Regular Meeting Agenda October 20, 2015 Page 1

# AGENDA MONROE COUNTY BOARD OF COMMISSIONERS REGULAR MEETING TUESDAY, OCTOBER 20, 2015 – 6:00 P.M. 125 E. SECOND STREET MONROE, MI 48161 (734) 240-7003

- I. CALL TO ORDER
- II. ROLL CALL
- III. PLEDGE OF ALLEGIANCE

Led by Commissioner Hoffman

- IV. OPENING PRAYER
- V. APPROVAL OF AGENDA
- VI. APPROVAL OF MINUTES (10/06/2015 Regular Meeting)
- VII. PUBLIC COMMENT
- VIII. RESOLUTIONS, SPECIAL TRIBUTES & PRESENTATIONS
  - Resolution declaring November 8-14, 2015 as Homeless Awareness Week in Monroe County.
  - Presentation from F/LT Tony Cuevas, Monroe State Police Post Commander on Michigan State Police operations in the community.

#### IX. CONSENT AGENDA

- 1. Finance Committee Report (10/21/2015)
  - A. The Finance Committee recommends to the Full Board to approve the 10/21/2015 Accounts Payable Current Claims Report in the amount of \$604,808.65
- 2. Approval of Non-Claims
  - A. Check Register dated 10/09/2015 in the amount of \$791,501.12
  - B. Check Register dated 10/16/2015 in the amount of \$483,553.83

Monroe County Board of Commissioners Regular Meeting Agenda October 20, 2015 Page 2

#### X. COMMUNICATIONS

#### Board Action:

- Letter from Michelle Marcero, 1<sup>st</sup> District Court Administrator/Magistrate, dated October 9, 2015 regarding the Court's intent to submit application to the State Court Administrator's Office for a 2016 Michigan Mental Health Court Program Planning Grant (MMHCGP) in the amount of \$33,960 with no County dollar match.
- 2. Letter from Chris Westover, Environmental Health Director and David Thompson, Drain Commissioner dated October 6, 2015 regarding the approval to submit a grant application on behalf of the Monroe County Health Department and the Monroe County Drain Commissioner's Office to the Michigan Department of Environmental Quality for scrap tire management for 2016 in the amount of \$15,000 with no County dollar match.
- Letter from Kim Comerzan, Health Officer/Director and Dan Stefanski, Solid Waste Planning Committee Chairman dated October 15, 2015 requesting Board approval of the draft amendments to the Monroe County Solid Waste Management Plan Amendment (Plan).
- Letter from Michael Bosanac, County Administrator/Chief Financial Officer, dated October 12, 2015 recommending the appointment of Marc Gramlich as the Director of Central Dispatch effective 01/01/2016.
- Letter from Michael Woolford, County Equalization Director, dated October 20, 2015 along with County Apportionment Report representing the Grand Levy for 2015 of \$204,348,354.63 and recommendation to adopt the report.

#### XI. PUBLIC HEARINGS

 Recommended 2016-2017 Monroe County Annual Line Item Budget Resolution Below is a link for the Recommended Line Item Budget.

http://www.co.monroe.mi.us/government/departments offices/finance/docs/2016 2017 Recommended Budget.pdf

XII. OLD BUSINESS

XIII. NEW BUSINESS

XV. PUBLIC COMMENT

XVI. ANNOUNCEMENTS

Monroe County Board of Commissioners Regular Meeting Agenda October 20, 2015 Page 3

# XVII. MEMBERS TIME

#### XVIII. ADJOURNMENT

The County of Mouroe will provide necessary auxiliary aids and services, such as signers for the learning impaired and audiotapes of printed materials being considered at the meeting to individuals with disabilities at the meeting upon one week's notice to the County of Mouroe. Individuals with disabilities requiring auxiliary aids or services should contact the County of Mouroe by writing or calling the following:

Human Resources - 125 East Second Street, Monroe, MI 48161 - Voice (734) 240-7295 and TDD (734) 240-7300

Monroe County Board of Commissioners Regular Meeting Agenda November 17, 2015 Page 1

#### AGENDA

MONROE COUNTY BOARD OF COMMISSIONERS REGULAR MEETING TUESDAY, NOVEMBER 17, 2015 – 6:00 P.M. 125 E. SECOND STREET MONROE, MI 48161 (734) 240-7003

- I. CALL TO ORDER
- II ROLL CALL
- III. PLEDGE OF ALLEGIANCE

Led by Commissioner Potratz

- IV. OPENING PRAYER
- V. APPROVAL OF AGENDA
- VI. APPROVAL OF MINUTES (10/20/2015 Regular Meeting)
  - VII. PUBLIC COMMENT
  - VIII. RESOLUTIONS, SPECIAL TRIBUTES & PRESENTATIONS
    - Resolution recognizing the retirement of Ms. Jane Terwilliger after fourteen years of service as the Executive Director of the Monroe County Community Mental Health Authority.
    - Presentation by Consumers Energy regarding the smart meter program, Kathryn Burkholder
    - Summary Presentation of Community Health Assessment, Kim Comerzan, Health Officer

#### IX. CONSENT AGENDA

- 1. Finance Committee Report (11/18/2015)
  - A. The Finance Committee recommends to the Full Board to approve the 11/18/2015 Accounts Payable Current Claims Report in the amount of \$456,494.93
- 2. Approval of Non-Claims
  - A. Check Register dated 11/06/2015 in the amount of \$684,685.14
  - B. Check Register dated 11/13/2015 in the amount of \$432,606.86

Mouroe County Board of Commissioners Regular Meeting Agenda November 17, 2015 Page 2

#### X. COMMUNICATIONS

#### Board Action:

- Communication from Paula's House providing information on program outcomes and activities at the County leased facility since December 2012 and a forthcoming request to extend the property lease.
- Letter from Kathy Vanderbush, Director, Monroe County Veterans Affairs dated November 12, 2015 providing a recommendation from the Veterans Affairs Committee to re-appoint Mr. James Walker and Mr. Larry Cymbola to four (4) year terms on the Monroe County Veterans Affairs Committee with terms ending December 31, 2019.
- Letter from Chairman Lievens dated November 5, 2015 recommending \$1,000 lump sum payment to the County's non-union employee workforce in 2016.
- XII. OLD BUSINESS
- XIII. NEW BUSINESS
- XIV. CLOSED SESSION Discussion of Collective Bargaining matters.
- XV. PUBLIC COMMENT
- XVI. ANNOUNCEMENTS
- XVII. MEMBERS TIME
- XVIII ADJOURNMENT

The County of Mouroe will provide accessary auxiliary side and services, such so eigens for the learning impaired and auditapes of printed materials being considered at the meeting to individuals with disabilities at the meeting upon one week's action to the County of Mouroes Individuals with disabilities requiring auxiliary aids or services should conset the County of Mouroe by writing or calling the following:

Human Resources - 125 East Second Street, Morene, MJ 48161 - Voice (784) 240-7295 and TDO (784) 240-7300

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page I

#### I CALL TO ORDER

A regular meeting of the Monroe County Board of Commissioners was held in the Board Chambers in the City of Monroe on Tuesday, October 20, 2015, the meeting was called to order by Chairman Lievens at 6:00 p.m.

# II ROLL CALL

Roll call by Clerk as follows:

FRESENT: EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donaline Henry Lievens
Jason Turner

Quorum present.

# III PLEDGE OF ALLEGIANCE

Commissioner Hoffman led the Pledge of Allegiance

#### IV. OPENING PRAYER

Meagan Russell, Deputy Clerk, Monroe County Board of Commissioners led the Opening Prayer.

# V. APPROVAL OF AGENDA

Motion by Commissioner Donahue supported by Commissioner Hoffman to approve the amended agenda as presented.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jenry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried

#### VI. APPROVAL OF MINUTES (10/06/2015 Regular Meeting)

Motion by Commissioner Tumer, Supported by Commissioner Hoffman to approve the minutes as presented for Tuesday, October 6, 2015 Regular Meeting and waive the reading of the minutes.

Motion carried.

# VII. PUBLIC COMMENT -

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 2

Ned Burkey invited the Commissioners and elected officials to a karst geological tour on Monday, November 2, 2015. At the request at State Senator Dale Zorn this summer, he asked that we restart the karst project that we had fifteen years ago to provide education to people about the geology and karst which is a eastern European name for sinkholes. The kind of sinkholes that you see in Florida where whole houses can disappear.

Matthew Shane, Michigan University Extension, thanked the Board for continued support for the extension program. Every five years MSU Extension does an issue identification process statewide to see the local needs in communities are. We are under the process right now, so there are two ways that citizens can participate in this process. The first is an online survey that we have available at our web site which is www.msue.msu.edu also you can participate in focus groups that are scheduled in Milan, November 5, 2015 from 6:30 p.m. to 8:30 p.m. The Garage sale for +H fundraisers will be this weekend at the Fair Grounds.

Bonnie Finzel-Doster, here to accept Resolution for the Homeless Awareness Week, also wanted to invite all the Commissioners to the walk on November 8, 2015 starts at 3:00 at Loranger Square and end at the Monroe Presbyterian Church where they have a luncheon. Please join us.

Jeanne Micka, may have seen the article in the News paper, Monroe had the Historical Commission of the State of Michigan here last Wednesday. Had a good tour of the Historical areas in Monroe County. Also invited the lantern tours that the Historical Commission puts on.

#### VIII. RESOLUTIONS, SPECIAL TRIBUTES & PRESENTATIONS -

 Resolution declaring November 8-14, 2015 as Homeless Awareness Week in Monroe County.

Motion by Commissioner Lievens, supported by Commissioner Potratz to accept and place on file the resolution declaring November 8-14, 2015 as Homeless Awareness Week in Monroe County.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried.

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 3

 Presentation from F/LT Tony Cuevas, Monroe State Police Post Commander on Michigan State Police operations in the community.

F/Lt Cuevas, Monroe State Police Post Commander gave presentation to the Board regarding the post. F/Lt Cuevas included the service area of the post including Monroe and Lenawee Counties. The current staffing level of the post including troopers and motor carrier officers. F/Lt Cuevas explained what the State Police are responsible for including enforce state laws, respond to 911 calls, investigate criminal complaints, statewide jurisdiction, provide leadership in multi-jurisdictional task forces, maintain all Criminal History Records, Firearms Records and Sen Offender records. F/Lt. Cuevas explained the most common calls for MSP in Monroe County as well as the numbers of reports, arrests, citations, and verbal warnings that were issued in 2014. F/Lt. Cuevas also explained the special enforcement projects that are being done across Michigan and Monroe right now including the Enhanced drunk driving enforcement, enhanced safety belt enforcement, DDACTS, Operation C.A.R.E and Motorcycle Safety Initiative. F/Lt Cuevas also went over the Sex Offender Compliance Checks as well as the Fugitive sweep that brought in many people with outstanding warrants. F/Lt Cuevas explained the Community outreach and what the Community Service Trooper does. Thanked the board for its support including the use of the 911/EMD for post meetings and trainings.

#### IX. CONSENT AGENDA

- 1. Finance Committee Report (10/21/2015)
  - A. The Finance Committee recommends to the Full Board to approve the 10/21/2015 Accounts Payable Current Claims report in the amount of \$604,808.65
- 2. Approval of Non-Claims
  - A. Check Register dated 10/09/2015 in the amount of \$791,501.12
  - B. Check Register dated 10/16/2015 in the amount of \$483,553.83

Motion by Commissioner Hoffman, supported by Commissioner Brant to approve the Consent agenda as presented.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried

Mouroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 4

#### X. COMMUNICATIONS

#### Board Action:

 Letter from Michelle Marcero, 1" District Court Administrator/Magistrate, dated October 9, 2015 regarding the Court's intent to submit application to the State Court Administrator's Office for a 2016 Michigan Mental Health Court Program Planning Grant (MMHCGP) in the amount of \$33,960 with no County dollar match.

Motion by Commissioner Oley, supported by Commissioner Hoffman to accept the communication and authorize a letter of support be drafted and submitted along with the grant application from the Chairman of the Board of Commissioners on behalf of the Board.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lieven:

Jason Turner

Motion carried

1B. Letter from Michael Bosanac, County Administrator/Chief Financial Officer, dated October 20, 2015 regarding the Veteran's Court Grant Agreement for funding in the amount of \$49,535 to be used for staff time, counseling, and related expenditures for this specific court with no County match.

Motion by Commissioner Donahue, supported by Commissioner Turner to accept the Veteran's Court Grant Agreement for funding in the amount of \$49,535 to be used for staff time, counseling, and related expenditures for this specific court with no County match.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lieven:
Jason Turner

Motion earnied.

Mouroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 5

2. Letter from Chris Westover, Environmental Health Director and David Thompson, Drain Commissioner dated October 6, 2015 regarding the approval to submit a grant application on behalf of the Monroe County Health Department and the Monroe County Drain Commissioner's Office to the Michigan Department of Environmental Quality for scrap tire management for 2016 in the amount of \$15,000 with no County dollar match.

Motion by Commissioner Donahue, supported by Commissioner Hoffman to approve the grant application on behalf of the Monroe County Health Department and the Monroe County Drain Commissioner to the Michigan Department of Environmental Quality for scrap tire management for 2016 in the amount of \$15,000 with no County dollar match.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried.

 Letter from Kim Comerzan, Health Officer/Director and Dan Stefanski, Solid Waste Planning Committee Chairman dated October 15, 2015 requesting Board approval of the draft amendments to the Monroe County Solid Waste Management Plan Amendment (Plan).

Motion by Commissioner Donahue, supported by Commissioner Wilmoth to approve the draft amendments to the Mouroe County Solid Waste Management Plan.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens
Jason Turner

.

Motion carried.

 Letter from Michael Bosanac, County Administrator/Chief Financial Officer, dated October 12, 2015 recommending the appointment of Marc Gramlich as the Director of Central Dispatch effective 01/01/2016. Mouroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 6

EXCUSED

Motion by Commissioner Oley, supported by Commissioner Donahue to approve the recommendation of appointment of Marc Gramlich as the Director of Central Dispatch effective 01/01/2016.

NAY

Roll call by Clerk as follows:

AYE

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried.

 Letter from Michael Woolford, County Equalization Director, dated October 20, 2015 along with County Apportionment Report representing the Grand Levy for 2015 of \$204,348,354.63 and recommendation to adopt the report.

Motion by Commissioner Donahue, supported by Commissioner Hoffman to approve and accept the 2015 Monroe County Apportionment Report and the Grand Levy of \$204,348,354.63.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Erant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lievens

Jason Turner

Motion carried.

#### MI. PUBLIC HEARING -

 Public comments may be made regarding the 2016-2017 Monroe County Annual Line Item Budget Resolution.

Michael Bosanac, County Administrator/Chief Financial Officer gave presentation regarding the 2016 Budget prior to the budget hearing. Mr. Bosanac went over the compliance with public act 2, budget resolution/general appropriations act 2016, summary of 2015 vs. 2016 budget changes, budget scorecard, budget areas of concern & financial margin/capacity. Mr. Bosanac said that no public funds expended without an appropriation act passed by governing board. Mr. Bosanac also said that the budget resolution begins on page R-2 which

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 7

is the 2016 Appropriations Act. Mr. Bosanac went over the Summary of the General Fund 2016 Revenue and the expenditures. Mr. Bosanac also went over the comparison of 2015 vs. 2016 regarding the adopted budget and what the change was in dollar amount as well as a written explanation. In this presentation Mr. Bosanac prepared a budget scorecard for 2015 vs. 2016 and showed the positive and negative changes. Mr. Bosanac explained the budget areas of concern and what needs monitoring. Mr. Bosanac also explained the budget development and the budget calendar. He explained what was done each month in order to prepare the budget for the public hearing and to be adopted.

Commissioner Lievens said that tonight we have scheduled the Public Heating on the 2016-2017 Monroe County Annual Line Item Budget Resolution.

Public hearing opened for public comments at 7:24 p.m.

Chairman Lievens asked if the Commissioners had any comments also asked the public if they had any comments for or against the 2016-2017 Monroe County Annual Line Item Budget Resolution.

Chairman Lieven: asked the Clerk if there have been any written comments provided regarding the Annual Line Item Budget Resolution

Clerk replied that she has not received any written comments.

Chairman Lievens closed the public hearing at 7:25 p.m.

Motion by Commissioner Brant, supported by Commissioner Turner to approve the 2016-2017 Annual Line Item Budget by moving the model Resolution that is the General Appropriations Act for 2016 be adopted along with the budget detail as prepared and presented to the Board.

Roll call by Clerk as follows:

AYE NAY EXCUSED

David Hoffman Jerry Oley
Mark Brant Gary Wilmoth
Al Potratz R. Mark Ellsworth
Dan Donahue Henry Lieven:
Jaton Turner

Motion carried

XII. OLD BUSINESS - none

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 8

XIII. NEW BUSINESS - none

XIV. PUBLIC COMMENT -

Chris Westover, Health Department, wanted to inform the Commissioners of an article in the Monroe Evening news regarding Jamie Dean recently took a new position at the Health Department and then the Health Department filled the recycling coordinator position with Daniel Rock. It is a position that is out in the public for collection events and earth day.

Jeanne Micka, 47 East Elm Ave, wanted to the Commissioners know that it is Custer Week, and the Museum staff is doing a terrific job. Its really nice to see the Community spirit during Custer Week and the more that we can build on this the better. It translates to good green dollars.

XV. ANNOUNCEMENTS - none

XVI. MEMBERS TIME

Commissioner Ellsworth - pass

Commissioner Wilmoth- pass

Commissioner Oley - pass

Commissioner Turner – Congratulated Marc Gramlich on his new position as Director of Central Dispatch, also thanked F/Lt. Cuevas for coming tonight and presenting the information, it was very informative. Thanked the administration and the board for bringing the balanced budget to us today.

Commissioner Donahue – congratulated Al Frank on his retirement as well as everything he was able to accomplish as the Director and also congratulated Marc Gramlich on his new position as Director of Central Dispatch. F/Lt. Cuevas thank you for presenting to the board and thanked Mike for the continued work on the budget.

Commissioner Brant - congratulated Marc Gramlich on his new position as Director of Central Dispatch and thanked Jamie Dean for all the hard work done in the previous position and good luck in your next position.

Commissioner Hoffman – thanked the Michigan State Police for being a part of our community and keeping our community rafe.

Monroe County Board of Commissioners Regular Meeting Minutes October 20, 2015 Page 9

Commissioner Potratz - thanked Marc for understanding the size of your shoes and thanked the Michigan State police.

Chairman Lievent - thanked F/Lt Cuevas for the presentation.

XVII. ADJOURNMENT

Motion by Commissioner Brant, supported by Commissioner Hoffman to adjourn at 7:31 p.m.



Kim Comerzan, MSN, RN, CNS Health Officer/Director Carl J. Schmidt, MD, MPH

Chief Medical Examiner/Medical Director

October 28, 2015

#### IMPORTANT, PLEASE READ. ACTION REQUESTED!

Dear Municipal Leader,

The Monroe County Solid Waste Planning Committee has worked on amending the 2001 Monroe County Solid Waste Management Plan to address current conditions and prepare for the County's future solid waste management needs. County staff provided assistance to the Committee and input from the public was received throughout the process. The Amendment has been the subject of a public hearing and the Monroe County Board of Commissioners voted to approve the amendment to the plan on October 20, 2015. A copy of the Amendment can be found at: https://goo.gl/2F7KvR.

#### Key highlights of the draft amendment include:

- · A revised Solid Waste Disposal Facility and Hauler Licensing Ordinance (adopted by the Board of Commissioners on 8/4/2012)
- · Updated facility descriptions, specifically for the Vienna Junction Industrial Park Sanitary Landfill and Matlin Road Landfill
- Designation of solid waste disposal facilities to be utilized by the county for the next ten years

The last step before the plan amendment can be submitted to the state for final approval is to have each municipality in the county vote on the amendment. According to State Statute (MCL 324.11536);

Following approval, the county plan shall be approved by the governing bodies of not less that 67% of the municipalities within each respective county before the plan may take effect.

Therefore, your municipality must vote to approve the amendment to the Plan by adopting the enclosed resolution. In order to assist you, I am sending you several copies of the resolution, which can be distributed to elected officials. At your request, I will attend a council meeting in the near future to briefly review the plan amendment and to answer any questions you may have. You may also vote on and adopt the resolution without a presentation if you choose. If you proceed with this option, please submit a signed copy of the resolution to me at:

> Chris Westover, M.C.H.D. 2353 South Custer Road Monroe, MI 48161

Please contact me with the date and time of the meeting you will be discussing this issue if you would like me to be present. In order for this process to continue in a timely manner, I ask that you return the signed Resolution no later than December 11, 2015. I can be reached at (734) 240-7921 or by email at chris westover@monroemi.org if you have questions.

Sincerely.

Chris Westover, R.E.H.S Environmental Health Director Monroe County Health Department

2353 S. Custer Road Monroe, Michigan 48161-9769 . (734) 240-7800 . Toll Free (888) 354-5500 . Fax (734) 240-7816 . www.co.monroe.ml.us/publichealth

WHEREAS,

WHEREAS,

WHEREAS,

### RECEIVED

#### RESOLUTION

NOV 3 0 2015

MONROE CO. HEALTH DEP?
Environmental Health Div
there exists in the County of Monroe, for reasons of public health, the protection of the

environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THERE	FORE BE IT RE	ESOLVED that the	Charter Township
	of	Berlin	
	Hereby ap	proves the Monroe Co	unty Solid Waste Management Plan prepared unde
	the requir	ement of PA 451 part 1	115 as amended, as approved and submitted by the
	County as	required by Act 451, p	art 115.

MOTION BY: Sovey-Meyer seconded by M. Reaume

UPON ROLL CALL VOTE: the following voted Yes: M. Reaume, D. Reaume, Tomlinson, R. Masserant, K. Reaume, D. Masserant, Sovey-Meyer

The following voted: No: NONE Excused: NONE

Supervices Realine declared the MOTION CARRIED and the resolution adopted.

Denise E. Sovey-Meyer, CMC

Eh: solid waste jamle/swmp 2009/plan/municipalities resolution

RESOLUTION #15-27

NOV 2 0 2015

WHEREAS,	MONROE CO. HEALTH DEPY.  there exists in the County of Monroe, for reasons of public health, the protection of the
Williams,	environment, and the requirements of state law, a need to have a County-wide plan to
	provide for the collection and disposal of nonhazardous solid waste generated in the
	County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the
	Natural Resources and Environmental Protection Act, 1994 PA 451, as amended
	(NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste-management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring
	disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as
	amended, Part 115, approved by the Board of Commissioners of the County and is now
	submitted to all municipalities within the County, and if approved by 67% thereof and
	thereafter by the Director of the Michigan Department of Environmental Quality, shall
	be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
	<b>%</b>
NOW, THEREF	ORE BE IT RESOLVED that theCharter Township
	of Monroe
	Hereby approves the Monroe County Solid Waste Management Plan prepared under
	the requirement of PA 451 part 115 as amended, as approved and submitted by the
	County as required by Act 451, part 115.
I, Bob Sci	
Monroe	, do herby certify that the above captioned resolution was
adopted by the	Monroe Charter Township Board on ovember 17, 2015
	- 0 e
Signed:	65 d Solona
В	ob Schnurr, Clerk
yeas: 6	nays: 0
absent: 1	abstain: 0
Ehr solid waste jamle	/swmp 2009/plan/municles littles resolution

NOV 2 0 2015

#### RESOLUTION

MONROE CO. HEALTH DEPT. Environmental Health Div

	···
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	PRE BE IT RESOLVED that the Redford Township Board
	ofBedford Township, Mönroe County, MI
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Bedford adopted by the November	OII
yeas: 7	nays: 0
absent: 0	. abstain: 0
Eh: solld usaste jamle/	inump 2009/plan/municipalities resolution

RECEIVED NOV 2 0 2015

#### RESOLUTION

MONRIOE CO. HEALTH DEPT. Emikorumental Health Dily

	- The state of the
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	DRE BE IT RESOLVED that the Township
	of Exeter
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Exe.fe adopted by the Nove	Clerk of the <u>Township</u> of do herby certify that the above captioned resolution was Exeter Township Board on Caption on Comber 17, 2015
/eas: 5	nays: O
absent: O	abstain: O

th: solid waste jamle/swmp 2009/plan/municipalities resolution

NUV 18 1.3

#### RESOLUTION - 2015-6

MOWAKE		
Eminores	1	

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	REBEITRESOLVED that the Dundee Township Board
	of Monroe County, MI
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Janet S	Galenbien Clerk of the Dundee Township of
Monroe	County, MI
adopted by the	Dundee Township Boardon
November	10, 2015
Signed:	Janet M. Salesbien, Durda Township CKRK
,	
yeas: 7	nays: 0
absent: 0	abstain: 0

th: solid waste jamie/swmp 2000/plan/municipalities resolution

#### RESOLUTION #2015-18

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	RE BE IT RESOLVED that theVillage
	of Dundee
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Dundee	. Massingill Clerk of the Village of do herby certify that the above captioned resolution was Dundee Village Council on 3, 2015
yeas: TR: Laze Bunch, G Pres. No absent: TR: M:	ette, Rigel, Selib <sub>inays</sub> ; O Sutierrez, and rris abstain: O
	swmp 2009/plan/municipalities resolution

#### RESOLUTION

NOV 1 6 2015

MONROE CO. HEALTH DEPT. Environmental Health Div.

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	REBEIT RESOLVED that the Eric Township Board
	of Erie Township, Erie Michigan
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
	Upchurch Clerk of the Township of do herby certify that the above captioned resolution was er 10.2015
,	· ·
yeas: 5	nays: 🔿
absent: 🔿	abstain: 🔾

The solid waste jamie/swmp 2009/plan/municipalities resolution

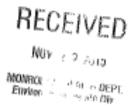
#### RESOLUTION

DEC 1 0 2015

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	DRE BE IT RESOLVED that theTownship Board
	ofIda Township
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
,Donal	d Appleman, Clerk of theTownship of Idaof, do herby certify that the above captioned resolution was
	Ida Township Board on
December	
Signed:	Donald Epplemen
yeas: 5	nays: <sub>D</sub>
absent: ()	abstain: O
The walled wanter involve	human 2009/else/resuccion Biles escalation

#### RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	of Monroe County, Monroe, MI  Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
I, Michale Ask adopted by the Abvery Signed:	
yeas: absent: / th: solid waste jamin	H nays: O RECEIVED  abstain: O NOV 2 4 2015  **Summp 2009/plan/municipalities resolution MONROE CO. HEALTH DEPT. Environmental Health Day.



#### RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	ORE BE IT RESOLVED that the TOWNShip
	of Summerfield
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Signed:	1, Nov. 16, 2015. udy Boodin
yeas: Grand Uragan absent: _O-	nays: - 0 -

Eh: solid waste jamle/swmp 2009/plan/munic/polities resolution

NOV 2 5 2015

MONROE CO. HEALTH DEPT. Environmental Health Div.

#### RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFORE BE IT RESOLVED tha	t the CITY
OF PETER	
Hereby approves the M	Aonroe County Solid Waste Management Plan prepared under

Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

I, LORI L IVAN Clerk of the CITY of
PETERSBURG , do herby certify that the above captioned resolution was
adopted by the COUNCIL OF THE CITY OF TETERSBURG ON
MONDAY NOVEMBER 2, 2015
signed: Josi & Rvan
MATOR HOLEMAN
yeas: Throwner, HALER, Nays: O
abstain: O

th: solid waste jumin/swmp 2009/plan/municipalities resolution

#### CITY OF MONROE RESOLUTION

#### Monroe County Solid Waste Management Plan Amendment

WHEREAS, there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW FURTHER, BE IT RESOLVED that the City of Monroe hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

Motion: Council Member Molenda Seconded by: Council Member Sisk

Ayes: 7 Nays: 0 Motion carried.

#### RESOLUTION DECLARED ADOPTED

 Michelle J. LaVoy, City Clerk-Treasurer of the City of Monroe, County of Monroe, State of Michigan, do hereby certify that the foregoing is an exact copy of a Resolution adopted by the City Council of said City, at a regular meeting thereof held on the 16th of November, 2015.



Muhille Jan Vy Offichelle J. LaVoy City Clerk-Treasurer

NOV 1 9 2015

MONROE CO, HEALTH DEP'L Environmental Health Disc.

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	RE BE IT RESOLVED that the City
	of Luna Pier
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
DeAnn Pa	rran, Clerk of theof
Luna Pier	
adopted by the	Luna Pier City Council on
Thursday, N	lovember 12, 2015
ilgned; Dean Parran	
eas: 7	nays: 0
bsent: 0	abstain: O
by collet water is eated	cores 2009/elas/respiritos/lites accelution

RESOLUTION No. 893

#### RESOLUTION 2015-53A Monroe County Solid Waste Management Plan

WHEREAS, there exists in the county of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFORE BE IT RESOLVED that the La Salle Township Board of La Salle, Michigan

Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

I, <u>Rick Feick</u>, Clerk of the <u>La Salle Township</u> of <u>La Salle</u>, <u>Michigan</u>, do hereby certify that the above captioned resolution was adopted by the <u>La<sub>2</sub>Galle Township Board</u> on <u>November 17</u>, 2015.

Signed:

Yeas: 5

Nays: 0

Absent: 0

Abstain: 0

#### FRENCHTOWN CHARTER TOWNSHIP RESOLUTION ADOPTING MONROE COUNTY SOLID WASTE MANAGEMENT PLAN

RECEIVED

DEC 1 0 2015

MONROE CO. HEALTH DEPT.
WHEREAS, there exists in the County of Monroe, for reasons of publiched the Dev.
protection of the environment, and the requirements of state law, a need to have a County wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administration Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County of Monroe on October 20, 2015 and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final.

NOW THEREFORE BE IT RESOLVED that the Frenchtown Charter Township Board hereby approves the Monroe County Solid Waste Management Plan prepared under the requirements of PA 451 part 115 as amended, as approved and submitted by the Monroe County Board of Commissioners pursuant to Act 451, part 115.

A 4 8 7 (1995) 1 1 1 1 1

The foregoing resolution offered by Board Member Hedwig Kaufman  Second offered by Board Member Jack Lindquist					
"nay": None	4.1 dig(c)	- 100 - 200 (200 margin 100)	1		
Absent/Excused: Rhonda Sommers	igua geni egale 1976 Perigigisa 21. regalek 2014	Digitalis - Dishko - Son gasa i Solomi pusculi egi dishkolo Yalami - Tishi digiri siste i	Gentions) Josephy Josephy Josephy		

#### RESOLUTION

DEC 1 0 2015

MONHOE CO. HEALTH DEPT. Emisconcoonal Health Div.

	Colored Oliv
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
	Township
NOW, THERE	of Raisinville
	of Kaisin Ville
	Hereby approves the Monroe County Solid Waste Management Plan prepared states the requirement of PA 451 part 115 as amended, as approved and submitted by the
	County as required by Act 451, part 115.
I,BR& Rall adopted by Do Signed:	nda K. Fottery clerk of the Township of of sinville do herby certify that the above captioned resolution was the Kaisinville township Board on scenber 1st 2015
yeas: L	nays: O
absent: \	abstain:

the solid vasite jamis/swmp 2009/plen/municipalities resolution

#### RESOLUTION

	DEC 7 4 2015
WHEREAS,	MONROE CO. HEALTH DEPT. Environmental Health Div. there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREP	ORE BE IT RESOLVED that the VILLAGE COUNCIL
	of_MAYBEE, MICHIGAN
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
I, THERE MAY adopted by the DEC	SA L. GROSS Clerk of the VILLAGE of BEF., do herby certify that the above captioned resolution was VILLAGE COUNCIL (GRAMUICH, 4 LEIDEL) on EMBER 9TH 2015.  Theresa L. Gran, Village Clerk
veas: (4	nays: (7)
1-11	

Eh: solid waste jamie/swynp 2009/plan/municipalities resolution

#### RESOLUTION

WHEREAS,

there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS,

the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS,

the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS,

the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFORE BE IT RESOLVED that the Village of South Rockwood hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

I, Williams Harold, Clerk of the Village of South Rockwood, do herby certify that the above captioned resolution was adopted by the Village of South Rockwood Council on December 21, 2015.

Stened: Chillery Harold

yeas: Bondy, Clore, Forrest, Horn, VanWassehnova, Wenzel

nays: None

absent: None

abstain: None

Eht solld weste Jamie/swmp 2009/plan/municipalities resolution

#### RESOLUTION

	WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
	WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
	WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
	WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
	NOW, THEREP	ORE BE IT RESOLVED that the VIVAGE
		of ESTRAL BEACH Council
		Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
	adopted by the <i>Decer</i>	Vandercook Gerk of the Village of Beach do herby certify that the above captioned resolution was a Nilage Space on Space 15,3015
	yeas: Adam Jessic	Viegond Yanglere nays: <sub>Mas:</sub> obsent: Kelli Genthort > Anglin
4	absont-Debl LAUR	y Dipaé abstain: Ame e Shakkus
	Ehr solid waste jam'i	n/pwmp 2099/glan/municipalities resolution

# Monroe County Solid Waste Plan Amendment RESOLUTION

WHEREAS, There exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, The County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Wasto Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS. The solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, The solid waste plan has been completed in accordance with Public Act 451; as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final.

#### NOW, THEREFORE BE IT RESOLVED that the Township of Whiteford

Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

 Angela Christensen, Clark of the Township of Whiteford, do herby certify that the above captioned resolution was adopted by the Board of Trustees on December 15, 2015.

Signed: \_\_\_\_\_ Elera Date: December 15, 2015

Yeas: Sabloff, Hill, Heidelberg, Christensen, Rubl Nays 0

Absent: 0 Abstain: 0

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APPENDIX C

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#### 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.

The adoption of this Plan and the Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance and the Monroe County Health Department Municipal Violation Bureau Ordinance by the Monroe County Board of Commissioners is intended as a demonstration of the County's acceptance of responsibilities for implementing the Plan with roles and responsibilities as described in the Selected Management Section. Copies of the Ordinances will be found in the following pages.

Executed Agreements between the County and private service providers related to the implementation of this Plan are also included.

# MONROE COUNTY, MICHIGAN MONROE COUNTY SOLID WASTE DISPOSAL FACILITY FEE AND SOLID WASTE HAULER LICENSING AND WASTE GENERATOR FEE ORDINANCE

An ordinance which enables the County to collect a fee for waste disposed of at landfills in Monroe County; to require the payment of fees at Solid Waste Disposal Facilities located outside of Monroe County which accept waste generated in Monroe County; to establish reporting for Solid Waste Disposal Facilities; to regulate solid waste hauler licensing and reporting; to establish a waste generator fee and collection of waste generator fees; to provide penalties for violations of this Ordinance; to establish a process to set the amount of fees; to set the method of payment of fees; and to require that the use of such fees will promote resource recovery activities which promote the general health, safety and welfare of the community.

#### ARTICLE I - TITLE, PURPOSE, ADMINISTRATION, AUTHORITY AND JURISDICTION

#### Section 1.01 - Title

This ordinance shall be known and may be cited as the Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance, also known as the "Monroe County Solid Waste Regulation Ordinance".

#### Section 1.02 - Purpose

The Monroe County Board of Commissioners finds that Solid Waste Disposal Facilities in Monroe County constitute a land use which renders large areas of land unsuitable for many uses and which may be considered a nuisance due to potential surface and groundwater pollution, truck traffic, noise, odors, air pollution, litter, soil erosion, and other similar negative social and/or environmental impacts.

The Board also finds that waste reduction and resource recovery efforts can extend the life of landfills by keeping out recyclable materials, compostable materials, and household hazardous wastes, thereby reducing the need for more landfills and protecting the health, safety and welfare of the community through the prevention of environmental health hazards and nuisances.

In addition, the purpose of this Ordinance is to implement the Monroe County Solid Waste Management Plan, as amended, and as adopted pursuant to Part 115 of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of Michigan 1994, as amended, to protect and promote the public health, safety and welfare of the inhabitants of Monroe County by regulating the collection, transportation, delivery, and disposal of Solid Waste; to establish conditions for issuing Waste Hauler permits; to provide residents and businesses an incentive to recycle, thereby reducing the volume of Solid Waste; to preserve and improve the environment; to provide penalties for violations of the Ordinance; and to establish a county fee on Solid Waste collected in Monroe County, transported through a transfer facility in Monroe County, or disposed of in a Monroe County designated facility.

Accordingly, it is determined that the collection of fees as authorized herein for the maintenance of county-wide resource recovery and waste reduction activities and education is desirable and appropriate.

#### Section 1.03 - Authority

This Ordinance is enacted pursuant to Section 11(j) of the Michigan Public Act 156 of 1851, being Michigan Compiled Law 46.11(j); Act 451 of 1994, Part 115, being Michigan Compiled Law 324.11501 et seq., and the Monroe County Solid Waste Management Plan, as amended.

#### Section 1.04 - Jurisdiction

The jurisdiction of this Ordinance shall extend countywide, including all cities, villages and townships situated in Monroe County, and regulate all Solid Waste generated within the County, including that disposed of or transferred in a Solid Waste Disposal Facility inside or outside of the County, and all Solid Waste generated elsewhere but disposed of or transferred in a Solid Waste Disposal Facility in the County.

#### Section 1.05 - Administration

The Monroe County Health Department shall be the agency responsible for administering and enforcing this Ordinance.

#### ARTICLE II - DEFINITIONS

#### Section 2.01 - Definitions

For purposes of this Ordinance, the words and phrases listed below shall have the following meanings.

- "Part 115" means the Part 115 of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of Michigan 1994, as amended, being Michigan Compiled Law 324,11501 et seq.
- 2. "Administrator" means the Monroe County Health Department.
- 3. "Board" means the Monroe County Board of Commissioners.
- "Composting" means the technique of organic waste reduction.
- 5. "Construction and Demolition Debris" means a type of Solid Waste consisting of non-hazardous waste building materials and rubble resulting from construction, remodeling, repair, and demolition of houses, commercial buildings, and other structures. Construction and Demolition Debris includes trees, stumps, and brush removed from property during construction, maintenance, or repair. Construction and Demolition Debris does not include any of the following, which is defined under this Ordinance as Solid Waste even if it results from construction, remodeling, repair, and demolition of structures which includes: (a) Garbage, (b) furniture, (c) Solid Waste resulting from a processing technique that render individual waste components unrecognizable, such as pulverizing or shredding. It also does not include any of the following which may require special disposal considerations: (a) asbestos waste, (b) drums and containers, (c) fuel tanks, (d) corrugated container board, and (e) appliances.
- "County" means the County of Monroe, Michigan, acting by and through the Monroe County Board of Commissioners.

- 7. "Garbage" means rejected food wastes, including waste accumulation of animal, fruit, or vegetable matter used or intended for food or that attends the preparation, use, cooking, dealing in, or storing of meat, fish, fowl, fruit, or vegetable.
- 8. "Landfill" means a disposal area that is a Sanitary Landfill.
- 9. "New Facility" means a disposal area that is proposed for construction after the effective date hereof; or an expansion, enlargement, or alteration of an existing disposal area after the effective date hereof beyond the horizontal or vertical boundaries indicated in the construction permit issued prior to the effective date of this ordinance.
- "Person" means any individual, firm, public or private corporation, partnership, trust, public or private agency, or any other entity, or any group of such persons.
- 11. "Plan" means the Monroe County Solid Waste Management Plan, as amended.
- 12. "Premises" means a parcel of land, including any building or structures, within Monroe County used for residential, commercial, industrial, or institutional purposes either separately or in combination to which a separate street address, postal address or box, tax roll description, or other similar identification has been assigned to or is in use by a person having control of the area.
- "Recycling" means the technique of removing selected materials from the Solid Waste stream for reprocessing to second use.
- 14. "Refuse" for all purposes of the Ordinance, shall have the same meaning as Solid Waste.
- 15. "Residential and Commercial Recyclable Material" means newspaper, glass bottles or jars, tin or steel cans, cardboard boxes, and high density polyethylene (HDPE) plastic containers, and other source separated or recoverable materials.
- 16. "Resource Recovery Activities" means any task performed that results in the preservation of resources, prevention of disease and the control of environmental health hazards through the recouping of material or energy from waste.
- 17. "Rubbish" means non-putrescible Solid Waste, excluding ashes, consisting of both combustible and non-combustible waste, including paper, cardboard, metal containers, yard clippings, wood, glass, bedding, crockery, demolished building materials, or litter of any kind that may be a determinant to the public health and safety.
- 18. "Sanitary Landfill" means a type of disposal area consisting of 1 or more landfill units and the active work areas associated with these units. Sanitary Landfills shall be classified as 1 of the following types of landfills:
  - a) A Type II Landfill, which is a municipal Solid Waste landfill and includes a municipal solid waste incinerator ash landfill.
  - b) A Type III Landfill, which is any landfill that is not a municipal solid waste landfill or hazardous waste landfill and includes Construction and Demolition Waste Landfills, Industrial Waste Landfills, and Landfills which accept waste other than household waste, municipal Solid Waste incinerator ash, or hazardous waste from conditionally exempt small quantity generators.
- "Site Generated Waste" means Solid Waste generated that is disposed of at a Solid Waste Disposal Facility located on or contiguous to the site of generation.

- 20. "Solid Waste" means all miscellaneous, non-hazardous waste materials and matter resulting from household or living conditions, business operations and enterprises, general routine property use and maintenance, and physical construction and installations related to general routine property use including, Garbage, Rubbish, waste materials from industrial and/or commercial business operations, non-hazardous industrial waste, municipal wastewater treatment sludge, and waste materials from the construction or repair of buildings and structures. It also includes animal waste and all rejected food wastes.
- "Solid Waste Coordinator" means a person charged with furthering the goals and objectives of the Monroe County Solid Waste Management Plan.
- "Solid Waste Disposal Facility" means a Solid Waste Transfer Facility or Transfer Station, Solid
  Waste Incinerator, Landfill, Sanitary Landfill, Solid Waste Processing Plant, or other facility
  utilized in the handling or disposal of Solid Waste.
- 23. "Solid Waste Incinerator" means a tract of land, building, unit or appurtenance of a building or unit, or a combination of land, buildings, and units that is used for the reduction of Solid Waste by combustion, incineration and/or gasification.
- 24. "Solid Waste Processing Plant" means a tract of land, building, unit or appurtenance of a building or unit, or a combination of land, buildings, and units, that is used or intended for use for the processing of Solid Waste or the separation of material for salvage or disposal, or both, but does not include a plant engaged primarily in the acquisition, processing, and shipment of slag or slag products.
- "Special Refuse" means furniture, household appliances, yard waste, brush, large tree limbs, and other bulky refuse items, with the exception of Construction and Demolition Debris.
- 26. "Solid Waste Transfer Facility or Transfer Station" means a tract of land, building, unit or appurtenance of a building or unit or combination of land, buildings, and units that is used or intended for use in the re-handling or storage of Solid Waste incidental to the transportation of the Solid Waste, but is not located at the site of generation or the site of disposal of the Solid Waste. A Solid Waste Transfer Facility does not include a tract of land or the containers on the land, if the containers have a volume of 10 cubic yards or less, and does not include a tract of land and the containers on the land if the containers have a volume of 65 cubic yards or less, and are used only for the storage of Solid Waste generated on or near the site and incidental to the transportation of the Solid Waste.
  - (a) A Type A facility is a facility designed and operated to receive Solid Waste, primarily from mechanically unloaded vehicles.
  - (b) A Type B facility is a facility designed and operated to receive domestic and commercial Solid Waste from vehicles unloaded by hand.
- "Waste Hauler" means any person, partnership, LLC, company or corporation, primarily engaged
  in the business of collecting, transporting, delivering, or disposing of Solid Waste at any Monroe
  County Solid Waste Plan designated Solid Waste Disposal Facility.

### ARTICLE III - GENERAL PROVISIONS FOR SOLID WASTE DISPOSAL FACILITIES AND WASTE HAULERS

#### Section 3.01 - Solid Waste Disposal Facilities to which the Ordinance Applies

- A. Any Solid Waste Disposal Facilities which meet any of the following shall be regulated by this Ordinance.
  - Any Solid Waste Disposal Facility as defined by this Ordinance which is located in Monroe County.
  - 2. Any Solid Waste Disposal Facilities which are located outside of the County but receive Solid Waste generated in the County, that request and are included as a designated Solid Waste Disposal Facility in the Monroe County Solid Waste Management Plan, conditioned upon receipt of such designated Solid Waste Disposal Facility's written agreement consenting to jurisdiction and application of all of the terms, provisions, rights, obligations and requirements of this Ordinance the same as it applies to Solid Waste Disposal Facilities located within the County.

#### B. Fees, Method of Collection

1. A fee shall be assessed at all Solid Waste Disposal Facilities described in Section 3.01A of this Ordinance. Solid Waste Disposal Facilities located within Monroe County shall pay the current established fee on all Solid Waste disposed of or transferred in the facility without regard to point of origin. Solid Waste Disposal Facilities located outside of Monroe County that enter into a consent agreement with the County and are included as a designated Solid Waste Disposal Facility in the Monroe County Solid Waste Management Plan with the County must pay the current established fee on all Solid Waste that is accepted at the facility which was generated within Monroe County.

Any load of waste entering the Solid Waste Disposal Facility that consists of Solid Waste comingled with waste that is classified as exempt from the fee shall be considered as Solid Waste and be subject to the fee until documentation is provided to prove otherwise as specified below.

The fee shall be set and established by the Monroe County Board of Commissioners from time to time by resolution as recommended by the Monroe County Solid Waste Management Plan and the Administrator.

- Solid Waste entering the Solid Waste Disposal Facility which is diverted by either recycling or composting shall be exempt from the fee. Acceptable documented evidence must be collected by a verifiable method and must be provided to and approved by the Administrator.
- 3. Fees collected by Solid Waste Disposal Facility operators shall be paid to the Monroe County Health Department on a monthly basis and deposited in a Resource Recovery Fund and used for purposes as described in this Ordinance. The payment shall be due within fifteen days after the end of each month and after a calendar year has ended. In addition to the payment, a report completed on the form prescribed containing the following information is required monthly:

- The amount of Solid Waste entering the Solid Waste Disposal Facility area classified by type.
- The amount of Solid Waste diverted from disposal in the Solid Waste Disposal Facility by Recycling or Composting, if approved, with accompanying required documentation.
- The amount of Solid Waste disposed of or transferred in the Solid Waste Disposal Facility classified as generated within Monroe County or outside of Monroe County.
- d. The amount of waste transferred out of the facility, if any, for final disposal and final disposal location.
- e. A Solid Waste Disposal Facility operator shall maintain records pertaining to the volume of Solid Waste accepted by the facility and of the collection of the county fee for a period of five (5) years. Such records shall be made available for review by the Administrator.
- C. Site Generated Wastes that are disposed of at a Solid Waste Disposal Facility located on or contiguous to the site of generation, shall be exempt from this fee for the Site Generated Waste. Solid Waste transported to these sites but generated elsewhere shall be subject to the fee established under Section 3.01B.
- D. Type B Transfer Facilities as defined in Section 2.01 of this Ordinance shall be exempt from this fee and from the reporting requirements as defined in Section 4.02b unless the Type B Transfer Facility is required by the State of Michigan to obtain and maintain a Construction Permit and Operating License. Type B Transfer Facilities that are licensed by the State of Michigan shall comply with all requirements and provisions of this Ordinance which apply to Solid Waste Disposal Facilities.

#### Section 3.02 - Permit Requirement for Waste Haulers

#### Section 3.02(a) - Waste Hauler Permit

Subject to the penalties in Article V, no Waste Hauler shall engage in the business of collecting, transporting, delivering or disposing of Solid Waste generated by another person in Monroe County, without regard to the origin or disposal site of the Solid Waste, without first obtaining a permit as required under this Section 3.02.

#### Section 3.02(b) - Permit Application

Any person falling within the scope of Section 3.02(a) shall make written application for a new or renewed permit to the Administrator on forms provided by or prescribed by the Administrator. The application shall require such information as will enable the Administrator to determine whether the applicant, if issued a permit, will serve the public in compliance with requirements of the Ordinance. All existing Waste Haulers operating at the time of adoption of this Ordinance, shall file such written application within thirty (30) days after the effective date of this Ordinance.

#### Section 3.02(c) - Permit Fee

Annual Waste Hauler application or renewal permit fees must be paid by the applicant upon submittal of a permit application to the Administrator.

Waste Hauler Permit Fee: At the time of the application for a Waste Hauler permit, an annual non-refundable permit fee of \$50.00 for any person providing Solid Waste hauling services within Monroe County shall be paid to the Administrator.

The annual application and renewal fee of \$50.00 shall continue in full force and effect until amended by the Board. The Board may decrease or increase the annual application and renewal fee from time to time by resolution.

#### Section 3.02(d) - Approval or Denial of Permit

Upon receipt of a complete application for a new or renewed permit and upon payment of the permit fee, the Administrator shall grant or deny the permit within forty-five (45) days of receipt by the Administrator.

The Administrator may deny the issuance of the permit for any of the following reasons:

- A. Failure of the applicant to comply with this Ordinance.
- B. Violations of this Ordinance or any other applicable federal, state, county, and local laws, statutes, rules and regulations, including but not limited to those pertaining to the timely payment of applicable fees, filing of required reports, and proper collection, transporting, delivering, or disposing of Solid Waste generated or disposed of within Monroe County.
- C. Prior criminal convictions (other than minor traffic offenses), when such bear on the ability of the applicant to serve the public as a Waste Hauler in a fair, honest, safe, and lawful manner; or any conviction in connection with Solid Waste collection, processing, and disposal activities in the last three (3) years by the applicant, its subsidiaries, or its parent company; or prior Waste Hauler permit revocation(s) of the applicant, its subsidiaries, or its parent company.
- Misrepresentations of any material fact in the application for the permit.

If the Waste Hauler permit is denied, the Administrator shall not refund the application permit fee. Any Waste Hauler whose permit or conditional permit is denied has the remedies provided by law in a court of competent jurisdiction in Monroe County.

#### Section 3.02(e) - Permit Expiration and Renewal

All permits issued under Section 3.02(d) shall expire at 12:00 midnight every September 30<sup>th</sup>. Permits shall be renewed annually with a term of October 1 through September 30, following the same procedures set forth in Section 3.02(b).

#### Section 3.02(f) - Non-Transferability of Permits

No permit shall be transferable, unless written approval is granted by the Administrator.

#### Section 3.02(g) - Exemptions

The following shall be exempt from the permit requirements of this Ordinance:

A. Persons who, upon request, can verify that they are performing one-time services for neighbors, family or friends, or individuals hauling materials from their own home. The Administrator may

- require appropriate proof that the Solid Waste was legally disposed of before an exemption is granted.
- Waste Haulers of sludge from publicly owned wastewater treatment plants operating within Monroe County.
- C. Special Waste Hauling activities without a permit that are allowed by the Monroe County Board of Commissioners during times of declared State of Emergency.
- D. Persons who can demonstrate that they are engaged in business to transport solely Construction and Demolition Debris.

#### ARTICLE IV - CONDITIONS OF WASTE HAULER PERMIT

#### Section 4.01 - General Permit Conditions

It shall be a condition of each Waste Hauler permit that the Waste Hauler shall comply with all the following:

- A. All provisions of this Ordinance, and any Rules adopted under the authority of this Ordinance.
- B. All applicable federal, state, county, and local laws, statutes, rules and regulations, including but not limited to those pertaining to the collecting, transporting, delivering, or disposing of Solid Waste generated or disposed of within Monroe County.
- C. All applicable provisions of the Plan, as required under Part 115, and any agreements regarding inter-county transport of Solid Waste authorized or restricted through the Plan.

#### Section 4.02 - Specific Permit Conditions

As a condition of a Waste Hauler permit issued pursuant to this Ordinance, the permit holder shall agree to:

- A. File with the Administrator along with the initial permit application and annually thereafter before the first day of October, each of the following:
  - A written plan submitted to the Administrator identifying the types of collection services to
    be provided, including a description of Solid Waste hauling services, Recycling services,
    and Special Refuse collection services as defined by this Ordinance that will be provided to
    customers, including the geographic areas served by the permit holder for collecting and
    hauling of Solid Waste into and within the County.
  - The process for meeting all collection and disposal requirements outlined in this Ordinance and Part 115 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.
  - 3. Proof of minimum insurances as follows:
    - a. Commercial General Liability (including contractual liability, Independent contractors' coverage, and broad form general liability extensions)

Personal/Bodily Injury:

\$1,000,000 each person

\$1,000,000 each accident

Property Damage:

\$1,000,000 each accident

\$1,000,000 each aggregate; and

b. Motor Vehicle Liability (including hired vehicles and vehicle non-ownership)

Bodily Injury:

\$1,000,000 each person

\$1,000,000 each occurrence

Property Damage:

\$1,000,000 each accident

\$1,000,000 each aggregate

The insurance policy shall include an endorsement stating that it is understood and agreed by the permit holder and its insurance company that thirty (30) days advance written notice of cancellation, non-renewal, reduction, and/or material change shall be sent to the Administrator.

- B. File monthly reports with the Administrator, into the tracking system provided by the County, within fifteen (15) days after the end of each month during the term of the permit, including:
  - 1. The amount in cubic yards, loose or compact, of each type of waste, including: Solid Waste, Type II Waste, Construction and Demolition Debris, and special Refuse and Recyclables collected by the permit holder within the jurisdiction of this Ordinance classified by the type of Solid Waste collected (commercial, industrial or residential). As an alternative, the hauler may submit actual weight in tons. If the hauler chooses this format, he/she shall convert the tons to cubic yards following the conversion formula specified in Part 115.
  - The point of generation of the materials by County, and the location the Solid Waste was landfilled or disposed.
- C. Retain billing and dumping receipts for the current year plus two previous years.
- D. Notify the Administrator in writing thirty (30) days prior to any substantive change in the information filed under Section 4.02A.
- E. Accurately identify the type of waste, as well as the state and county where the waste was originated, and the name and address of the owner or operator of the receiving Solid Waste Disposal Facility.
- F. Reasonably estimate the percentage of the load that came from each county, when delivering a load consisting of Solid Waste that originated in more than one county to a Solid Waste Disposal Facility.

#### ARTICLE V - ENFORCEMENT AND PENALTIES

#### Section 5.01 - Enforcement

The Administrator shall have the discretion and authority to enforce the provisions of the Ordinance through all available civil remedies, both legal and equitable, including but not limited to, injunctive relief as provided by Michigan law, monetary sanctions and fines, and/or criminal prosecution for violation(s) of this Ordinance.

#### Section 5.02 - Report Certification and Audit

All of the information and activities required to be reported under this Ordinance shall be certified as to its completeness, truth and accuracy by the principal officer, manager, member, owner, operator, accountant, auditor or other authorized person of the reporting Solid Waste Disposal Facility and Waste Hauler, as often and in the manner as the Administrator shall from time to time prescribe. The Administrator and/or its designated agent(s) shall have the right to perform audits of all Solid Waste Disposal Facilities and Waste Haulers' records for the purposes of (1) verifying the accuracy of reporting, (2) verifying payments of the proper county fees, and (3) verifying compliance with all other rules, regulations and provisions of this Ordinance. The Administrator has the right to use any means available in its tracking and investigation. In the event an underpayment is identified as a result of an audit, the amount of the underpayment and all of the actual costs associated with the audit, including but not limited to transportation, shall be paid by the Disposal Facility and/or Waste Hauler to the Administrator. Said payment shall be made within thirty (30) days after the Administrator provides written notice of the amount due and owing to the Disposal Facility and/or Waste Hauler.

### <u>Section 5.03 - Penalties for Solid Waste Disposal Facilities for Improper Reporting and/or Under-</u>Payment

Any person or entity who has improperly reported the amount/type of waste, or who has under-paid or failed to pay the required fees for same, shall be subject to municipal civil infraction penalties or criminal penalties as set forth below. Each day a violation continues shall be deemed to be a separate offense.

- A. The first violation shall be a municipal civil infraction. In the event of a first violation, the person or entity shall be subject to a fine in the amount of \$1,500.00;
- B. The second violation shall be a municipal civil infraction. In the event of a second violation, the person or entity shall be subject to a fine in the amount of \$7,500.00;
- C. The third violation shall be a municipal civil infraction. In the event of a third violation, the person or entity shall be subject to a fine in the amount of \$15,000.00; and
- D. A fourth or subsequent violation shall be a misdemeanor punishable by a fine of not more than \$500.00 and/or imprisonment for a period not to exceed ninety (90) days.

#### Section 5.04 - Penalties for all Other Violations of this Ordinance

The Administrator shall have the right to limit or suspend a Waste Hauler's permit for violations of any provision of this Ordinance. In addition, any person or entity who is found to be in violation of any provision of this Ordinance (other than the violations specified in paragraph 5.03 above) shall be subject

to the civil and criminal penalties set forth below. Each day a violation continues shall be deemed to be a separate offense.

- A. The first violation within a three (3) year period\* shall be a municipal civil infraction. In the event of a first violation within a three (3) year period\*, the person or entity shall be subject to a fine in the amount of \$100.00;
- B. The second violation within a three (3) year period\* shall be a municipal civil infraction. In the event of a second violation within a three (3) year period\*, the person or entity shall be subject to a fine in the amount of \$ 500.00;
- C. The third violation within a three (3) year period\* shall be a municipal civil infraction. In the event of a third violation within three (3) year period\*, the person or entity shall be subject to a fine in the amount of \$1,000.00;
- D. The fourth violation within a three (3) year period\* shall be a municipal civil infraction. In the event of a fourth violation within a three (3) year period\*, the person or entity shall be subject to a fine in the amount of \$1,500.00; and
- E. A fifth or subsequent violation within a three (3) year period\* shall be a misdemeanor punishable by a fine of not more than \$500.00 and/or imprisonment for a period not to exceed ninety (90) days.
- F. In the case of five (5) or more violations within a three (3) year period\* the Administrator may also in addition to the sanctions provided in subsection 5.04D, above, revoke a Waste Hauler's permit for a period up to five (5) or more years. Except as otherwise may be herein provided, notice of a decision to deny or revoke a waste hauler permit must be served on the violator by personal service or by certified mail return receipt to the last known address of the violator.

The "Three (3) year period" shall mean the immediately preceding three (3) years prior to and including the date of the current violation.

#### Section 5.05 - Authorized County Officials

The following persons are "authorized county officials/agents" for the purposes of issuing municipal civil infraction violation notices (directing alleged violators to appear at the Monroe County Health Department Municipal Violations Bureau) and/or municipal civil infraction citations (directing alleged violators to appear in district court) for violations under this Ordinance: Monroe County Ordinance Enforcement Officers, law enforcement officers, and the Administrator/Director of the Monroe County Health Department and his or her designee(s) and authorized representative(s).

#### Section 5.06 - Procedure for Processing Municipal Civil Infractions

Any municipal civil infraction notice issued pursuant to this Ordinance shall be processed by the Monroe County Health Department Municipal Ordinance Violations Bureau administered by the Administrator/Director of the Monroe County Health Department and his or her designee(s) and authorized representative(s).

## Section 5.07 - Nuisance Per Se

A violation of any provision of this Ordinance is hereby declared to be a nuisance per se. The Administrator and/or its designated agent(s) may petition a court of competent jurisdiction for an order to enjoin and/or abate such a nuisance. The Administrator shall be entitled to recover any and all costs, attorney fees or other expenditures incurred as a result of its efforts to obtain a court order to abate the nuisance. The Administrator shall be entitled to a money judgment for the payment or repayment of said costs, attorney fees, or other expenditures.

## ARTICLE VI RULES

#### Section 6.01 - Adoption of Rules

The County Board of Commissioners may adopt Rules to carry out the provisions of this Ordinance including those pertaining to the establishment, administration, and enforcement of Waste Hauler licensing requirements and service specifications. The Rules may be amended from time to time by the County Board of Commissioners.

#### ARTICLE VII- USE OF FEES COLLECTED BY MONROE COUNTY

## Section 7.01 - Placement of Fees

All fees, fines and costs collected as a result of this Ordinance shall be placed into and administered by Administrator under the Resource Recovery Fund.

## Section 7.02 - Use of Resource Recovery Fund

The Resource Recovery Fund may be used for the following activities:

- A. Resource recovery education.
- B. Promotion of recycling, composting and waste reduction efforts.
- C. Household hazardous waste collection programs.
- D. Financing recycling and/or composting centers.
- E. Salaries, fringe benefits, overhead and supplies necessary for operation for the Monroe County Solid Waste Coordinator and for the implementation of the Monroe County Solid Waste Management Plan.

### ARTICLE XIII - MISCELLANEOUS

#### Section 8.01 - Severability

Sections of the Ordinance shall be deemed severable and if any section, paragraph, clause, phrase or part of this ordinance is for any reason held invalid by any court of competent jurisdiction, such decisions shall not affect the validity of the remaining provisions of this Ordinance or of the Monroe County Solid

Waste Management Plan; and the application of those provisions to any persons or circumstances shall not be affected thereby.

## Section 8.02 - Effective Date

This Ordinance shall become effective immediately upon publication of notice of its adoption in a newspaper of general circulation in Monroe County after its adoption by the Monroe County Board of Commissioners.

## Section 8.03 - Repeal

This Ordinance acts to repeal and replace the Monroe County Solid Waste Disposal Facility Fee Ordinance previously adopted on or about July 7, 1991, and said Ordinance will be rescinded upon the date that this Ordinance becomes in effect.

Adopted by the Monroe County Board of Commissioners at a regular meeting held at the Monroe County Board chambers, Monroe County Courthouse, Monroe, Michigan on the 24th day of July, 2012.

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7.25.2012

### NOTICE OF ADOPTION OF

## MONROE COUNTY SOLID WASTE DISPOSAL FACILITY FEE AND SOLID WASTE HAULER LICENSING AND WASTE GENERATOR FEE ORDINANCE

## Ordinance No. 002-12

TAKE NOTICE that on July 24, 2012, the Monroe County Board of Commissioners adopted an Ordinance commonly known as the Monroe County Solid Waste Disposal Facility Fee and Solid Waste Hauler Licensing and Waste Generator Fee Ordinance (otherwise referred to as the "Monroe County Solid Waste Regulation Ordinance"). A copy of said Ordinance is available at the office of the Monroe County Clerk and the Monroe County Board of Commissioners for public review and inspection. Pursuant to MCL 46.11(j), the electors have a right of referendum relative to said Ordinance. This Ordinance shall become effective when published.

Monroe County Board of Commissioners

I, Sharon Lemasters, as Clerk for the County of Monroe, hereby certify and attest that the Ordinance referenced above was duly adopted by the members of the Monroe County Board of Commissioners on July 24, 2012.

Monroe County Clerk

Published and Effective: August 4, 2012

MIK/blc COUNTY/SOLIDWASTE/noticeadopt

## MONROE COUNTY, MICHIGAN HEALTH DEPARTMENT MUNICIPAL VIOLATIONS BUREAU ORDINANCE

An Ordinance enacted pursuant to Act 236 of the Public Acts of 1961, as amended, and Act 12 of the Public Acts of 1994, as amended, to establish a Municipal Ordinance Violations Bureau for the purpose of accepting admissions of responsibility for ordinance violations designated as municipal civil infractions for which municipal ordinance violation notices have been issued and served by authorized officials; to collect and retain civil fines/costs for such violations as prescribed herein; to generally provide for the public health, safety and general welfare of the persons and property of Monroe County, Michigan; and to repeal all conflicting ordinances or parts of ordinances.

THE COUNTY BOARD OF COMMISSIONERS OF THE COUNTY OF MONROE, STATE OF MICHIGAN, HEREBY ORDAINS:

## Section 1 - Title

This Ordinance shall be known and referred to as the "Monroe County Health Department Municipal Violations Bureau Ordinance".

## Section 2 - Establishment, Location and Personnel of Municipal Ordinance Violations Bureau

- A. <u>Establishment</u>. The Monroe County Health Department Municipal Violations Bureau (hereinafter referred to as the "Bureau") is hereby established pursuant to Act 236 of the Public Acts of 1961, as amended, and Act 12 of the Public Acts of 1994 (M.C.L. 600.8396), as amended, for the purpose of accepting admissions of responsibility for ordinance violations designated as municipal civil infractions, and to collect and retain civil fines/costs for such violations as prescribed herein.
- B. <u>Location</u>. The Bureau shall be located at the principal office of the Monroe County Health Department, or such other location in Monroe County as may be designated by the Administrator/Director of the Monroe County Health Department.
- C. <u>Personnel</u>. All personnel of the Bureau shall be Monroe County Health Department employees as designated by the Administrator/Director. The Monroe County Health Department Administrator/Director and/or his or her designee shall act as Bureau Clerk with the duties prescribed herein.

### Section 3 - Bureau Authority

The Bureau shall only have the authority to accept admissions of responsibility (without explanation) for municipal civil infractions for which a municipal ordinance violation notice has been issued and served, and to collect and retain the scheduled civil fines/costs for such violations specified pursuant to this ordinance or other applicable ordinances. The Bureau shall not accept payment of fines/costs from any person who denies having committed the alleged violation or who admits responsibility only with an explanation. The Bureau shall not determine or attempt to determine the truth or falsity of any fact or matter relating to an alleged ordinance violation.

### Section 4 - Ordinance Violation Notice Requirements

Ordinance Violation Notice Requirements. Municipal civil infraction violation notices shall be issued and served by peace officers, ordinance enforcement officers, law enforcement personnel and/or other authorized County agents/employees as may be designated by Michigan law or ordinance. A municipal ordinance violation notice shall include, at a minimum, all of the following: 1) name of the alleged violator; 2) description of the alleged violation; 3) the time within which the person must contact the Bureau for purposes of admitting or denying responsibility for the violation; 4) the amount of the scheduled fine/cost for the violation; 5) the methods by which the violation may be admitted or denied; 6) the consequences of failing to pay the required fine/cost or contract the Bureau within the required time; 7) the address and telephone number of the Bureau; 8) the days and hours that the Bureau is open.

#### Section 5 - Admission/Denial of Responsibility

Denial of Responsibility. Where a person or entity fails to admit responsibility (without explanation) for a violation within the jurisdiction of the Bureau and/or pay the required civil fines/costs within the designated time period, the Bureau Clerk or other designated County agents/employees shall advise the peace officer, ordinance enforcement officer, law enforcement personnel or authorized County agent/employee to issue and file a municipal civil infraction citation for said violation with the Court having jurisdiction over the matter. The municipal civil infraction citation filed with the Court shall consist of a complaint containing, at a minimum, the allegations stated in the municipal ordinance violation notice and shall fairly inform the alleged violator how to respond to the citation. A copy of the citation must be served by personal service or first class mail upon the alleged violator at the alleged violator's last known address. The citation shall thereafter be processed pursuant to the procedures of the Court having jurisdiction and in the manner required by Michigan law.

## Section 6 - Fines

Violators of municipal civil infractions shall be assessed such fines consistent with the fee/fine schedule contained within the ordinance violated.

### Section 7 - Costs

No costs shall be assessed by the Bureau if the fines are paid within fourteen (14) days of the date of service of the municipal ordinance violation notice. Otherwise, costs of \$20.00 shall be assessed by the Bureau.

## Section 8 - Records and Accounting

The Bureau Clerk or his/her designated agent shall retain a copy of all municipal ordinance violation notices. The Monroe County Board of Commissioners shall be provided access to said records upon request.

## Section 9 - Availability of Other Enforcement Options

Nothing in this Ordinance shall be deemed to require Monroe County to initiate its municipal civil infraction ordinance enforcement activity through the issuance of an ordinance violation notice. As to each ordinance violation designated as a municipal civil infraction, Monroe County may, at its sole discretion, proceed directly with the issuance of a municipal civil infraction, notice or citation, or take such other enforcement action as is authorized by law.

## Section 10 - Severability

The provisions of this Ordinance are hereby declared to be severable and if any parts are declared invalid for any reason by a court of competent jurisdiction, it shall not affect the remainder of the Ordinance which shall continue in full force and effect.

## Section 11 - Repeal

All ordinances or parts of ordinances in conflict with this Ordinance are to the extent of such conflict repealed.

## Section 12 - Effective Date

This Ordinance shall become effective immediately upon publication of notice of its adoption in a newspaper of general circulation in Monroe County after its adoption by the Monroe County Board of Commissioners.

Original on file in Health Dept. contract files

## COUNTY FACILITY AGREEMENT WITH STEVENS DISPOSAL AND RECYCLING INCORPORATED

This County Host Agreement (this "Agreement") dated January 23, 2008 is made between Stevens Disposal & Recycling Services, Incorporated, a Michigan corporation ("Stevens"), and MONROE COUNTY, Michigan, a Michigan county corporation ("County").

The general purpose and intent of this Agreement is to 1) set forth the terms and conditions by which Stevens shall be allowed to design, construct and operate a Type A Solid Waste Transfer Facility on the 61.5 acres located at 16929 Ida West Road, Petersburg, MI pursuant to this Agreement the Facility Description and Solid Waste Management Plan Amendment included as Attachment A, and subsequent updates of the County's Solid Waste Management Plan and 2) to identify other services that Stevens shall provide pursuant to this Agreement. This Agreement recognizes that Stevens currently is licensed to operate a Solid Waste Processing Plant a the same location as provided for the Michigan Department of Environmental Quality (MDEQ) Solid Waste Disposal Area Operating License included as Attachment B.

This Agreement becomes effective on the date first written above and will continue in effect from that date until the day which is 30 years after the Commencement Date, or the time in which the Stevens Facility State of Michigan Disposal Area Operating Licenses expire, whichever comes later, unless sooner terminated pursuant to this Agreement (in either case, the "Expiration Date"). Upon mutual agreement evidenced in writing, the parties may extend the term of this Agreement prior to the Expiration Date for any length of time.

Notwithstanding anything to the contrary herein, either party may terminate this Agreement after July 1, 2009 by giving notice to that effect if the Solid Waste Management Plan Amendment has not been adopted by the County by that date. Should Stevens choose to terminate this Agreement as provided for in this Section Stevens acknowledges that such termination may result in the removal of the Facilities identified in Attachment A and Attachment B from the list of approved disposal areas within the County's Solid Waste Management Plan. Upon termination of this Agreement pursuant to this Section, the Agreement shall be rendered null and void and neither party shall be liable to the other for any costs or damages incurred.

Stevens agrees to perform and carry out the services and commitments set forth in this Agreement in compliance with all federal, state and local laws, regulations and ordinances including but not limited to the Monroe County Solid Waste Disposal Facility Ordinance and Part 115 of the State of Michigan Compiled Laws and rules promulgated thereunder.

Nothing herein shall give or be construed to have given the County any right, title, or interest in any of the Waste delivered to or disposed of at the Facility. The relationship of the County to the Facility and Stevens and the Waste delivered to the Facility is that of contracting parties, not that of agent, joint venturer, partner, or in any other capacity that

would give the County any liability for the Waste or for acts or omissions of those dealing with the Waste.

Nothing in this Agreement shall preclude the County from exercising its rights of jurisdiction over aspects of the Facility that are not explicitly within the exclusive jurisdiction of the MDEQ. The County may request and Stevens agrees to provide, within 30 days of such request, information to the County concerning its Facility designs, material handling and discharge containment technologies and innovations in material handling and separation technology which exist or are planned for implementation at the Facility. Stevens agrees that at least 60 days prior to submitting to MDEQ any Facility engineering plans, drawings or related studies related to the proposed issuance of Facility Construction and Operating Permits, Stevens shall submit a copy of such documents to the County. The County shall review such documents to determine conformance with the terms of this Agreement and shall provide comments either at a public hearing or directly to Stevens. Stevens agrees to reimburse County for professional fees (engineering, administrative, legal, etc.) associated with the review of such documents.

### A: During the term of this Agreement Stevens agrees:

- 1. Recycling Services: To provide Monroe County residents with drop-off recycling and shall accept types 1 and 2 plastic, glass, tin, aluminum, cardboard, newspaper, freon-free white goods, scrap type metals and lead acid batteries at the Stevens recycling location at 16929 Ida West Road, Petersburg, Michigan 49270. This service shall be provided by Stevens free of charge to all Monroe County residents. All materials herein identified shall be accepted at least two weekdays per week during the hours of 7 a.m. and 6 p.m. Stevens shall notify County which days of the week said service will be made available to facilitate proper public notice. There shall be no weekend or holiday services provided pursuant to this agreement. To provide all necessary equipment, maintenance of the site and equipment, storage of the equipment, all bins, signage for use of the site and all other items incidental to the proper operation of the recycling services provided for herein. Transportation of all materials and costs associated with the recycling services shall be paid for by Stevens. This includes any transfer of materials on the site and also the transportation of materials to other locations beyond the recycling location at Stevens. Stevens shall operate the recycling services in accordance with all local, state and federal rules, laws, procedures and ordinances. Any issues related to the recycling services not able to be addressed through routine communications between the parties shall be resolved through the Dispute Resolution Process contained herein.
- 2. Reporting: To utilize a web based reporting tool selected and provided by the County. Stevens shall provide the hardware operating equipment, printing and internet services at the sole cost of Stevens. Using the County's designated reporting system, Stevens shall provide reporting no less frequently than the 15<sup>th</sup> of each month for the prior month's activities at the Facilities described in Attachment A and Attachment B to include:
  - a) The volume of residential solid waste being accepted from each municipality,

- b) The volume of commercial and industrial waste being accepted,
- c) The type, volume and origin of waste by county,
- d) Amounts, types and origin of waste being recycled at the facility, and
- e) Activity in environmental quality indicators that include but are not limited to well testing data, incidents (complaints, etc.), MDEQ Quarterly Inspection Records and MDEQ enforcement actions and related communications (Notice of Violations, warning letters, consent orders, etc.).
- 3. Liability: Stevens shall purchase and maintain in full force general liability insurance on an occurrence basis in an amount not less that \$1 million and name the County of Monroe as an additional insured. The policy shall have a 30 day notice of cancellation to the County of Monroe. A copy of the policy shall be provided to the County at commencement of the recycling service and at each renewal of the policy. In addition, Stevens shall provide evidence of workman's compensation insurance on all employees assigned to this service on behalf of the County. The workman's compensation insurance policy shall comply with Michigan Statutory Limits of Liability. A copy of the policy shall be provided to the County at commencement of the recycling service and at each renewal of the policy.
- Inspection: Stevens shall grant and the County shall have the right, at any time during normal business hours, and from time to time at it own expense, to inspect site procedures and audit all Records; provided however that the County shall not be entitled to examine, receive or copy Records showing the names of Steven's customers, prices charged any customer or class of customers or volumes attributable to individual customers ("Confidential Information"). In the event that the County requests a review of records containing Confidential Information, the parties shall appoint a mutually acceptable third party certified public accountant to examine such records at the expense of the County; provided that such accountant shall execute and deliver to Stevens an agreement in form and substance satisfactory to Stevens, insuring that such information shall not be used or disclosed in any manner contrary to law. In the event of a dispute between Stevens and the County regarding any matter the resolution of which requires the use of Confidential Information, the persons with access to Confidential Information shall execute and deliver to Stevens an agreement in form and substance satisfactory to Stevens, insuring that such information shall not be used or disclosed in any manner except in the resolution of the dispute.

Stevens agrees to reimburse the County for the costs of inspection if either a) the inspection was initiated by the County in response to a written complaint, or b) an inspection initiated by the County resulted in a discovery of violation that requires a revisit. In the latter case the County would request reimbursement only for the revisit.

5. Indemnification: Stevens shall indemnify, defend and hold harmless the County and local units of government within the County from all damages, liabilities,

costs and expenses (including but not limited to attorneys' fees and costs) incurred by the County as a result of:

- (a) a violation of a federal, state, or local law or regulation at the Facility;
- (b) a violation of any license or permit issued to the Facility; or
- (c) any activities performed by Stevens under the terms of this Agreement.

The indemnification obligations under this Article shall survive the termination or expiration of this Agreement.

6. Operations: Stevens shall use the Type II Transfer Facility and the Solid Waste Processing Plant for receipt of Type II and Type III waste delivered by mechanically compacting vehicles owned and operated by Stevens and no others and from all other non-mechanically compacting vehicles as Stevens shall so designate.

Stevens shall use industry standard best practices in Facility design and operations and to upgrade those practices for the life of the facility for a) surface water management to include wetland protection and mitigation and use of bio-swales and native species plantings wherever possible; b) land management to include wherever possible the control of invasive plant species, use of native grasses and prairie plantings, pro-active restoration of wildlife habitat, maintenance of buffer plantings including replacement and including buffer plantings to screen and break up odor; c) operating protocols to protect neighbors from nuisance noise, odors, litter and hours of operation including requirements that litter be picked up daily on roads, lands and waters adjacent to the facility and establishment and adherence to a specific Allowed Truck Route for entry and exit from the site;

### B: During the term of this Agreement County agrees:

- Facility Included in Plan: To include Stevens' proposed Type II Transfer Station
  and existing Solid Waste Processing Plant located in Monroe County, Michigan at
  16929 Ida West Road, Petersburg, Michigan 49270 in the County Solid Waste
  Management Plan Update as provided for in the Facility Description incorporated
  in the Plan as Attachment A.
- Recycling Services: The County shall assist with promotion of the recycling program through its Solid Waste Coordinator by means and methods determined by the County.
- Reporting: Access to the reporting tool shall be arranged and provided by the County at the County's cost. The County will supply the software licensing as required to provide access for Stevens into the reporting web site.
- C: Stevens and the County agree not to challenge the legality or constitutionality of any provision or term of this Agreement or the Terms and Conditions of the Plan Amendment, directly or indirectly.
  - Except as otherwise specified herein, all notices, consents, approvals, requests and
    other communications (herein collectively call "Notices") required or permitted
    under this Agreement shall be given in writing and sent by overnight carrier

addressed as follows:

If to the County, the County:

Solid Waste Coordinator Environmental Health Division Monroe County Public Health Department 2353 South Custer Road Monroe, MI 48161

With a copy to:

Monroe County Board of Commissioners Chairman, County Attorney, County Administrator, Health Officer, Planning Director

If to Stevens:

Stevens Disposal & Recycling Services, Inc. 16929 Ida West Road Petersburg, MI 49270

Attention: Carl Stevens, President

with a copy to:

Facility Manager, Stevens Disposal & Recycling Services, Inc., Petersburg, MI

All notices shall be deemed given on the day after being sent. Either party to this Agreement may change its address for the receipt of Notices at any time by giving notice thereof to the other. Any notice given by a party hereunder must be signed by an authorized representative of such party.

- No amendment to this Agreement shall be effective and binding upon the parties unless it expressly makes reference to this Agreement, is in writing and is signed and acknowledged by duly authorized representatives of both parties and is approved by the County Board of Commissioners.
- No failure by a party hereto to insist upon the strict performance of any covenant, agreement, term or condition of this Agreement or to exercise any right, term or remedy consequent upon a breach thereof shall constitute a waiver of any such covenant, agreement, term and condition.
- 4. This instrument, including the exhibits and schedules attached hereto, which are made a part of this Agreement, contains the entire agreement between the parties and all prior negotiations and agreements are merged herein. Neither party has made any representations except those expressly set forth herein, and no rights or

- remedies are or shall be acquired by either party by implication or otherwise unless expressly set forth herein.
- 5. Unless the context otherwise expressly requires, the words "herein", "hereof", and "hereunder", and other words of similar import refer to this Agreement as a whole and not to any particular Article, Section, or other Subdivision. The word "include" and variants thereof shall mean "including but not limited to."
- All the promises and warranties of a party made in this Agreement shall be deemed and construed to be conditions qualifying the other party's duty to perform hereunder.
- The headings of the Articles in this Agreement are for convenience only and shall not be used to construe or interpret the scope or intent of this Agreement or in any way affect the same.
- 8. If any Affiliate (as hereinafter defined) of Stevens shall take any action which, if done by a party, would constitute a breach of this Agreement, the same shall be deemed a breach by Stevens. "Affiliate" shall mean a parent, subsidiary or other company controlling, controlled by, or in common control with Stevens.
- This Agreement shall be governed by, and construed in accordance with, the laws of the State of Michigan.
- 10. This Agreement may be executed in any number of counterparts and all of said counterparts taken together shall be deemed to constitute one and the same instrument. Promptly after the execution thereof, the County shall submit to Stevens a conformed copy of this Agreement.
- 11. As used herein, the singular shall include the plural, the plural the singular and the use of any gender shall be applicable to all.
- 12. The County and Stevens agree to first use the following Dispute Resolution Process to resolve disputes about issues related to the performance of this contract. If an issue arises requiring resolution, either party shall initiate this dispute resolution process by notifying the other party and scheduling a meeting. The meeting shall serve as a fact finding opportunity to identify the issue, clarify the problem, review the applicable contract provisions relating to the issue, discuss alternative remedies, and agree upon a means of dispute resolution. The parties shall make a good faith effort to complete the agreed-upon tasks within 30 days of the initial dispute resolution meeting, or specify an alternative schedule and deadline for resolving the issue. This dispute resolution process shall be considered as one alternative to the County imposing liquidated damages as provided for below. Nothing in this Dispute Resolution Process shall be construed or implied to reduce, eliminate or otherwise affect the rights of either Party to use any and all other means of legal remedies except as provided for below.

- 13. Any dispute arising under this Agreement not able to be resolved through the Dispute Resolutión Process shall be resolved by arbitration by a single arbitrator conducted in the City of Monroe, Michigan, and the award of the arbitrator may be entered in any court of competent jurisdiction. The arbitration shall be conducted before an attorney, judge or former judge selected by the parties and shall follow the rules for the conduct of trial in the Circuit Courts of the State of Michigan. Arbitration shall be initiated by a demand for arbitration by either party delivered to the other party. To select the arbitrator, the parties shall each nominate a person to make the selection, notifying the other party of such nomination, and the persons selected shall select the arbitrator. In the event that the persons selected are unable to reach agreement on an arbitrator within sixty (60) days after the demand for arbitration, the arbitration will be conducted in Detroit, Michigan under the rules of the American Arbitration Association, conducted in the Michigan Court Rules as provided by this provision. The parties will share the fees of the arbitrator equally and each party shall pay its own attorneys fees. Costs may be awarded as determined by the arbitrator.
- 14. Stevens agrees to pay to the County as liquidated damages \$1,000 per occurrence for each load of waste disposed of at the Facility which waste is a violation of federal, state or local law and \$100 per occurrence for each day for which a report required under this agreement is late.
- 15. Each provision of this Agreement must be interpreted in a way that is valid under applicable law. The provisions of this Agreement are severable. If any provision is held invalid or unenforceable, the rest of the Agreement will remain in full effect.

Executed as of the date first written.

Runday Willard

ATTESTED TO:

MONROE COUNTY

.....

By: WILLIAM D. SISK

CHAIRMAN

STEVENS DISPOSAL & RECYCLING

SERVICES, INC.

By. Ca Dece

Its: Tim BELL
OPERAtions MGR

1-4-08 FINAL

7

## Attachment A:

Facility Description and Solid Waste Management Plan Amendment

## Attachment B:

Solid Waste Disposal Area Operating License

## Attachment B:

Solid Waste Disposal Area Operating License

#### FACILITY DESCRIPTIONS Facility Type: Type A Transfer & Processing Plant Facility Name: Steven's Disposal & Recycling Service, Inc. Location: 16929 Ida West Road, Petersburg County: Monroe Summerfield Township Map identifying location included: \_\_x\_Yes If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: \_\_\_ Public \_\_x\_Private Owner: Allied Waste . Operating Status (check) Waste Types Received (check all that apply) open residential closed commercial licensed industrial unlicensed construction & demolition construction permit contaminated soils open, but closure special wastes \* pending other: scrap metals, cardboard recycling \*Explanation of special wastes, including a specific list and/or conditions: Site Size: Total area of facility property: acres Total area sited for use: 56 acres Total area permitted: 56 Transfer Processing Building Operating: 100x120 Not excavated: \_72,000 Current capacity: \_tons or \_x\_ cubic yards Estimated lifetime: \_\_n/a\_ years Estimated days open per year: \_240 days Estimated yearly disposal volume: 144,000 \_\_\_tons or \_x\_ cubic yards (if applicable) Annual energy production: Landfill gas recovery projects: megawatts Waste-to-energy incinerators: megawatts

Revised 2/8/2007 7/17/2007 D€Q

#### Michig Department of Environmental Q( Waste and Hazardous Materials Division

## SOLID WASTE DISPOSAL AREA OPERATING LICENSE

This license is issued under the provisions of Part 115, Solid Waste Management of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.11501 et seq., and authorizes the operation of this solid waste disposal area (Facility) in the state of Michigan. This license does not obviate the need to obtain other authorizations as may be required by state law.

FACILITY NAME: Stevens Disposal and Recycling Service, Inc.

LICENSEE/OPERATOR: Stevens Disposal and Recycling Service, Inc.

FACILITY OWNER: Stevens Disposal and Recycling Service, Inc. PROPERTY OWNER: Stevens Disposal and Recycling Service

FACILITY TYPE(S): Solid Waste Processing Plant

FACILITY ID NUMBER: 422368

COUNTY: Monroe

LICENSE NUMBER: 9138 ISSUE DATE: July 10, 2006 EXPIRATION DATE: July 10, 2011

The Stevens Disposal and Recycling Service, Inc., a Solid Waste Processing Plant, consists of FACILITY DESCRIPTION:

61.5 acres located at 16929 Ida West Road, Petersburg, Summerfield Township, Monroe County,

Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: Identified on Attachment A of this license

RESPONSIBLE PARTY: Carl Stevens, President

Stevens Disposal and Recycling Service, Inc.

16929 Ida West Road Petersburg, Michigan 48182

734-856-8451

FIRST OPERATING LICENSE: This License Number 9138 is the first operating license issued for this Facility to this licensee.

This license is subject to revocation by the Director of the Michigan Department of Environmental Quality (Director) if the Director finds that this Facility is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, Part 115, or the rules promulgated under Part 115. Failure to comply with the terms and provisions of this license may result in legal action leading to civil and/or criminal penalties pursuant to Part 115. This license shall be available through the licensee during its term and remains the property of the Director.

THIS LICENSE IS NOT TRANSFERABLE.

Steven R. Sliver, Chief, Storage Tank and Solid Waste Section

Waste and Hazardous Materials Division

Revised 09/2005

Licensee: Stevens Disposal and Recycling Service, Inc. Facility Name: Stevens Disposal and Rl ling Service, Inc.

Operating License Number: 9138

Issue Date: July 10, 2006

The licensee shall comply with all terms of this license and the provisions of Part 115 and its administrative rules. This license includes the license application and any attachments to this license.

- 1. The licensee shall operate the Facility in a manner that will prevent violations of any state or federal law.
- The attached map (Attachment A) shows the Facility, the area permitted for construction and/or placement and
  acceptance of waste, monitoring points, leachate storage units, site roads, other disposal areas, and related
  appurtenances, as applicable.
- 3. Issuance of this license is conditioned on the accuracy of the information submitted by the Operator/Applicant in the Application for License to Operate a Solid Waste Disposal Area (Application) received by the Michigan Department of Environmental Quality (MDEQ) on March 13, 2006, and any subsequent amendments. Any material or intentional inaccuracies found in that information is grounds for the revocation or modification of this license, and may be grounds for enforcement action. The licensee shall inform the MDEQ's Waste and Hazardous Materials Division, Jackson District Supervisor, of any inaccuracies in the information in the Application upon discovery.
- 4. This license is issued based on the MDEQ's review of the Application, submitted by Stevens Disposal and Recycling Service, Inc., for the Stevens Disposal and Recycling Service, Inc., dated March 1, 2006 and revised March 15, 2006. The Application consists of the following:
  - a. Application Form EQP 5507.
  - b. Application fee in the amount of \$500.00.
  - c. Certification of construction by Coger/Shambarger Architect, Inc., dated February 14, 2006.
  - d. Financial Assurance.

Financial Assurance Required:

The amount of financial assurance required for this Facility was calculated based on the requirements of Section 11523(1)(c), is indicated on the form EQP 5507A entitled, "Form A Financial Assurance Required," and is \$4.000.00.

The Facility has provided financial assurance totaling \$4,000.00, based on the requirements of Section 11523 of Part 115. The financial assurance mechanism used by the Facility is summarized below.

The following financial assurance has been received from the licensee to meet the amount of financial assurance required:

Surety Bond

\$4,000.00

Total Amount Received:

\$4,000.00

- The following documents approved with Construction Permit Number(s) 4067 issued to the Stevens Disposal and Recycling Service, Inc. on July 26, 2004, are incorporated in this license by reference:
  - a. Construction Permit Application, Stevens Disposal & Recycling Services, Inc., dated September 12, 2003 and revised March 2004.
  - b. Engineering plans dated June 23, 2003.
  - c. Hydrogeological Report Waived.
  - d. Hydrogeological Monitoring Plan Waived.

-2-

Revised 09/2005

Licensee: Stevens Disposal and Recycling Service, Inc. Facility Name: Stevens Disposal and Recycling Service, Inc. Operating License Number: 9138

- Issue Date: July 10, 2006
- The following additional documents, approved since the issuance of the construction permit(s) referenced in Item 5, are incorporated in this license by reference:
  - Revised Engineering plans dated September 2004.
- Consent Order: N/A.
- The licensee shall conduct hydrogeological monitoring in accordance with the approved hydrogeological monitoring plan, dated N/A. The sampling analytical results shall be submitted to the MDEQ's Waste and Hazardous Materials Division, Jackson District Office.
- Modifications to approved engineering plans that constitute an upgrading, as defined in R 299.4106a(e), may be approved, in writing, by the Waste and Hazardous Materials Division, Jackson District Supervisor.
- 10. SPECIAL CONDITIONS: N/A.
- 11. TERM: This license shall remain in effect until its expiration date, unless revoked or continued in effect, as provided by the Administrative Procedures Act, 1969 PA 306, as amended, or unless superseded by the issuance of a subsequent license.

**END OF LICENSE** 

-3-

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## **APPENDIX E**

List of available educational resources. Hard copies are available through the office of the Solid Waste Coordinator.

- Resource Guide
- RecycleNOW newsletter printed 3 times/year
- Upcoming event mailer sent to every Monroe County Household at least once annually
- · Earth Day fliers annually
- What does it mean to be green materials:
  - Top 10 Reasons to Recycle
  - My Carbon What
  - E-cycling
  - · Household Hazardous Waste
- Prescription Drug fliers
- CFL Recycling Flier
- Mercury Thermometer Exchange Flier
- Bedford Educational Pieces Single Hauler System
- Composting Brochure All About Composting
- Composting Brochure Home Composting
- Environmental Fund Grant Program materials
- · Christmas Tree Recycling Flier

### Electronic education:

- · County of Monroe website www.co.monroe.mi.us/recycling
- Ecoville <u>www.myecoville.com/monroe</u>
- Green Monroe County Facebook Page

## **ATTACHMENTS**

## **ATTACHMENTS**

The following attachments are included as part of the Plan.

ATTACHMENT A: RESOLUTIONS

ATTACHMENT B: MAPS

Maps showing locations of solid waste disposal facilities used by the county

# ATTACHMENT A RESOLUTIONS

#### RESOLUTION

NOV 3 0 2015

MONROE CO. HEALTH DEPT

WHEREAS,

there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS,

the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS,

the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS,

the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFO	ORE BE IT RESOLV	ED that the	Charter Township
	of	Berlin	
	Hereby approve	s the Monroe County	Solid Waste Management Plan prepared under

the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

MOTION BY: Sovey-Meyer seconded by M. Reaume

UPON ROLL CALL VOTE: the following voted Yes: M. Reaume, D. Reaume, Tomlinson, R. Masserant, K. Reaume, D. Masserant, Sovey-Meyer

The following voted: No: NONE

Excused: NONE

me declared the MOTION CARRIED and the resolution adopted.

Denise E. Sovey-Meyer, CMC

Eh: solid waste jamle/swmp 2009/plxs/municipalities resolution

RESOLUTION #15-27

NOV 2 0 2015

WHEREAS,	MONROE CO. HEALTH DEPT.  Engine ments like the Protection of the there exists in the County of Monroe, for reasons of public health, the protection of the
	environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	DRE BE IT RESOLVED that the Charter Township
	of Monroe
	Hereby approves the Monroe County Solid Waste Management Plan prepared under
	the requirement of PA 451 part 115 as amended, as approved and submitted by the
	County as required by Act 451, part 115.
I, Bob Sci	nurr Clerk of the Charter Township of
Monroe	, do herby certify that the above captioned resolution was
adopted by the	
	ovenber 17, 2015
Signed:	65 d Solina
Do	ob Schnurr, Clerk
yeas: 6	nays: 0
absent: 1	abstain: 0
Ehr solid waste kamle.	/swmo 2009/slan/municipalities resolution

## RESOLUTION

NOV 2 0 2015

MONROE CO. HEALTH DEPT. Environmental Neatth Div

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	DRE BE IT RESOLVED that the Bedford Township Board
	ofBedford Township, Monroe County, MI
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Bedford adopted by the November	- accepted the management of the control of the con
yeas: 7	nays: 0
absent: 0	. abstain: 0
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RESOLUTION

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	Emvirorumental Health (
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	ORE BE IT RESOLVED that the Township
	of Exeter
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Exe.fe	Clerk of the <u>Township</u> of do herby certify that the above captioned resolution was ember 17, 2015
yeas: 5	nays: O
absent: O	abstain: O
Ch: solid waste janrie,	/swmp 2009/plan/reusiclpalities resolution

yeas:

absent: 0

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RESOLUTION - 2015-6

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MOWRED

WHEREAS, there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and  WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended
Natural Resources and Environmental Protection Act, 1994 PA 451, as amended
(NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFORE BE IT RESOLVED that the Dundee Township Board
of <u>Monroe County</u> , MI  Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Janet Salenbien, Clerk of the
v

th: solid waste jamin/swmp 2000/plan/municipalities resolution

nays: 0

abstain: 0

## RESOLUTION #2015-18

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County, and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THEREFO	RE BE IT RESOLVED that theVillage
	of Dundee
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Shirley D	. Massingill , Clerk of the Village of
Dundee	, do herby certify that the above captioned resolution was
dopted by the	
November	3, 2015
igned:	of of Massingth
eas: TR: Laze Bunch, G Pres. Nor bsent: TR: Mi	ette, Rigel, Salib <sub>inays:</sub> O outierrez, and oris Ulls abstain: O
h: solid waste lamie/	swmp 2009/plan/municipalities resolution

## RESOLUTION

NOV 1 6 2015

MONROE CO. HEALTH DEPT. Environmental Health Div

	Characturentia Grant Cay		
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and		
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and		
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and		
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final;		
NOW, THEREFO	DRE BE IT RESOLVED that the Eric Township Board		
	of Eric Township, Eric Michigan  Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the		
	County as required by Act 451, part 115.		
Erie adopted by the Novemb	Upchurch Clerk of the Township of do herby certify that the above captioned resolution was certificated by the certificated certifica		
Signed:	John Upshir		
yeas: 5	nays: 🔘		
absent: 🔿	abstain: 🔾		

Eh: solid waste jamie/swmp 2009/plan/municipalities resolution

## RESOLUTION

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	MONROE CO. HEALTH DEPT		
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the		
	environment, and the requirements of state law, a need to have a County-wide plan to		
	provide for the collection and disposal of nonhazardous solid waste generated in the		
	County; and		
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the		
	Natural Resources and Environmental Protection Act, 1994 PA 451, as amended		
	(NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid		
	waste management plan; and		
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requisites		
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs;		
	and		
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as		
	amended, Part 115, approved by the Board of Commissioners of the County and is now		
	submitted to all municipalities within the County, and if approved by 67% thereof and		
	thereafter by the Director of the Michigan Department of Environmental Quality, shall		
	be final, and if not so approved, the Director shall prepare a plan for the County which will be final:		
	Will be fillat.		
NOW, THEREFO	ORE BE IT RESOLVED that the Township Board		
	of Ida Township		
	OI		
	Hereby approves the Monroe County Solid Waste Management Plan prepared under		
	the requirement of PA 451 part 115 as amended, as approved and submitted by the		
	County as required by Act 451, part 115.		
l,Donal	d Appleman		
a da asta dibaraha	do herby certify that the above captioned resolution was		
adopted by the Ida Township Board on			
December 1, 2015			
Signed: Donald Epplemen			
yeas: 5	nays: O		
absent: ()	abstain: O		
th: solid waste jamies	/swmp 2009/plan/municipalities resolution		

## RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public henvironment, and the requirements of state law, a need to be provide for the collection and disposal of nonhazardous solic County; and	nave a County-wide plan to		
WHEREAS,	the County of Monroe has undertaken the update of said pla Natural Resources and Environmental Protection Act, 1994 ( NREPA), Part 115, Solid Waste Management, and its Admin waste management plan; and	PA 451, as amended		
WHEREAS,	the solid waste management plan calls for the reduction of disposal through implementation of recycling, composting, and			
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:			
NOW, THEREFORE BE IT RESOLVED that the Ash Township Board of Monroe County, Monroe, MI				
	Hereby approves the Monroe County Solid Waste Managem the requirement of PA 451 part 115 as amended, as approve County as required by Act 451, part 115.			
I, Michele Geiermann Clerk of the Township of Ash do herby certify that the above captioned resolution was adopted by the Ash Township Board on November 18, 2015  Signed: Mille C. Llei				
yeas: absent: /	H nays: O abstain: O	RECEIVED NOV 2 4 2015		
	, , , , , , , , , , , , , , , , , , , ,	MONROE CO. HEALTH DEPT. Environmental Health Div.		



## RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 1.15, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW THEREFO	ORE BE IT RESOLVED that the TOWNShip
NOW, THEREPO	
	of Summerfield
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
Surning Surning adopted by the Monday Signed:	Goodin clerk of the Township of rfield do herby certify that the above captioned resolution was Summerseld Township Board on J. Nov. 16, 2015.
yeas: Greading	nays: -0-

Eh: solid waste jamie/swmp 2009/plan/munic/polities resolution

abstain: - 🔘 -

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MONROE CO. HEALTH DEPT. Environmental Health Div.

## there exists in the County of Monroe, for reasons of public health, the protection of the WHEREAS, environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and the County of Monroe has undertaken the update of said plan, as required by the WHEREAS, Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and the solid waste plan has been completed in accordance with Public Act 451, as WHEREAS, amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final: NOW, THEREFORE BE IT RESOLVED that the Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115. , Clerk of the ( , do herby certify that the above captioned resolution was adopted by the COUNCIL THE CITY

RESOLUTION

Th: solid waste jamin/swmp 2009/plan/municipalities resolution

absent: O

RICHARDS, SCHARGORNAD,

Mater Houseal Course: Bauer, Browner, Hauer,

nays:

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### RESOLUTION No. 893

MONROE CO, HEALTH DEP'L Environmental Health Disc.

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and			
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and			
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and			
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:			
NOW, THEREFO	ORE BE IT RESOLVED that theCity			
	of_ Luna Pier			
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.			
l,_DeAnn Pa	arran , Clerk of the City of			
yeas: 7	nays: 0			
	abataha -			
absent: 0	abstain: O			
th: solid weste jamie,	/somp 2003/plan/municipalities resolution			

### RESOLUTION 2015-53A Monroe County Solid Waste Management Plan

WHEREAS, there exists in the county of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFORE BE IT RESOLVED that the La Salle Township Board of La Salle. Michigan

Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

I, <u>Rick Feick</u>, Clerk of the <u>La Salle Township</u> of <u>La Salle</u>, <u>Michigan</u>, do hereby certify that the above captioned resolution was adopted by the <u>La<sub>6</sub>Galle Township Board</u> on <u>November 17</u>, 2015.

Classical

Yeas: 5

Nays: 0

Absent: 0

Abstain: 0

## RECEIVED

### RESOLUTION

DEC 1 0 2015

MONROE CO. HEALTH DEPT: Environmental Health Div.

	asam Oh
WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:
NOW, THERE	EFORE BE IT RESOLVED that the Township
	of Raisin ville
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.
BRS  BZI  adopted by  Signed:	clerk of the Township of Johnship of Johnship do herby certify that the above captioned resolution was the Raisinvilla township Board on Scenber 1st 2015
yeas: L	nays: O

abstain:

absent: \

Elic solid visite jamie/swmp 2009/plan/municipalities resolution

## RECEIVED

### RESOLUTION

DEC 1 4 2015

WHEREAS,	MONROE CO. HEALTH DEPT. Environmental Health Div. there exists in the County of Monroe, for reasons of public health, the protection of the		
	environment, and the requirements of state law, a need to have a County-wide plan to		
	provide for the collection and disposal of nonhazardous solid waste generated in the County; and		
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and		
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and		
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:		
NOW, THEREFO	DRE BE IT RESOLVED that the VILLAGE COUNCIL		
	of MAYBEE, MICHIGAN		
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.		
I, THERE  MAY  adopted by the  DECI  Signed:	SA L. GROSS Clerk of the VILLAGE of BEF , do herby certify that the above captioned resolution was VILLAGE COUNCIL (GRANNICH, LEIDEL) on EMBER 9TH 2015.  Theresa L. Gran, Village Clerk		
yeas: 6	nays: ()		
absent: 7	abstain:		

Eh: solid waste jamie/swynp 2009/plan/municipalities resolution

#### RESOLUTION

WHEREAS,

there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS,

the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS.

the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS,

the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW, THEREFORE BE IT RESOLVED that the Village of South Rockwood hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

I, Williams Harold, Clerk of the Village of South Rockwood, do herby certify that the above captioned resolution was adopted by the Village of South Rockwood Council on December 21, 2015.

Stened: Littlere Harold

yeas: Bondy, Clore, Forrest, Horn, VanWassehnova, Wenzel

nays: None

absent: None abstain: None

Eh: solid waste jamle/swmp 2009/plan/imunicipalities resolution

### RESOLUTION

WHEREAS,	there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and			
WHEREAS,	the County of Monroe has undertaken the update of said plan, as required by the Matural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and			
WHEREAS,	the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and			
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now a submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:			
NOW, THERE	ORE BE IT RESOLVED that the VIVAGE			
	of ESTRAL Beach Council			
	Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451, part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.			
I. CAROL	Vander cos K. Clerk of the Village of Greek of the Village of Greek of the Seach of			
ESTERI	do herby certify that the above captioned resolution was be VINAC TRUSTEES			
	mbee 15.3015			
	ul B. Varduerk			
All absents Deb LAUS	er Anatia			

# Monroe County Solid Waste Plan Amendment RESOLUTION

WHEREAS. There exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, The County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Wasto Munagement, and its Administrative Rules, of a solid waste management plan; and

WHEREAS. The solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS. The solid waste plan has been completed in accordance with Public Act 451; as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final.

### NOW, THEREFORE BE IT RESOLVED that the Township of Whiteford

Hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

 Angela Christensen, Clark of the Township of Whiteford, do herby certify that the above captioned resolution was adopted by the Board of Trustees on December 15, 2015.

Signed: \_\_\_\_\_\_\_ Date: December 15, 2015

Yeas: Sabloff, Hill, Heidelberg, Christensen, Ruhl Nays 0

Absent: 0 Abstain: 0

The 1996 weeks brokersoon 2000/peach transportion discission

### CITY OF MONROE RESOLUTION

### Monroe County Solid Waste Management Plan Amendment

WHEREAS, there exists in the County of Monroe, for reasons of public health, the protection of the environment, and the requirements of state law, a need to have a County-wide plan to provide for the collection and disposal of nonhazardous solid waste generated in the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:

NOW FURTHER, BE IT RESOLVED that the City of Monroe hereby approves the Monroe County Solid Waste Management Plan prepared under the requirement of PA 451 part 115 as amended, as approved and submitted by the County as required by Act 451, part 115.

Motion: Council Member Molenda Seconded by: Council Member Sisk

Ayes: 7 Nays: 0 Motion carried.

### RESOLUTION DECLARED ADOPTED

 Michelle J. LaVoy, City Clerk-Treasurer of the City of Monroe, County of Monroe, State of Michigan, do hereby certify that the foregoing is an exact copy of a Resolution adopted by the City Council of said City, at a regular meeting thereof held on the 16th of November, 2015.



Mahelle Jan Vy OMichelle J. LaVoy City Clerk-Treasurer

### FRENCHTOWN CHARTER TOWNSHIP RESOLUTION ADOPTING MONROE COUNTY SOLID WASTE MANAGEMENT PLAN

RECEIVED

DEC 1 0 2015

MONROE CO. HEALTH DEPT.
WHEREAS, there exists in the County of Monroe, for reasons of publicinheelth Hitte Dev
protection of the environment, and the requirements of state law, a need to have a County
wide plan to provide for the collection and disposal of nonhazardous solid waste generated in
the County; and

WHEREAS, the County of Monroe has undertaken the update of said plan, as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administration Rules, of a solid waste management plan; and

WHEREAS, the solid waste management plan calls for the reduction of solid waste requiring disposal through implementation of recycling, composting, and educational programs; and

WHEREAS, the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County of Monroe on October 20, 2015 and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final.

NOW THEREFORE BE IT RESOLVED that the Frenchtown Charter Township Board hereby approves the Monroe County Solid Waste Management Plan prepared under the requirements of PA 451 part 115 as amended, as approved and submitted by the Monroe County Board of Commissioners pursuant to Act 451, part 115.

A CONTRACTOR

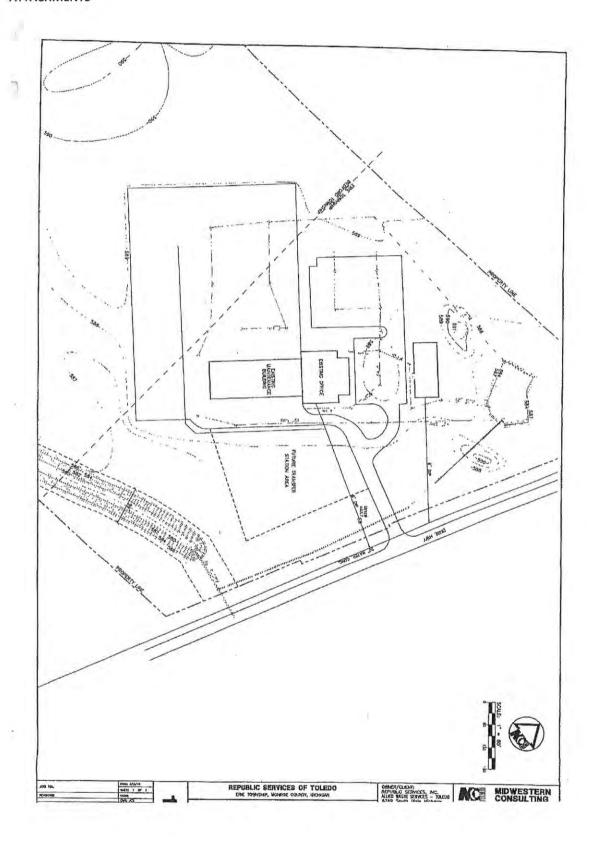
The foregoing resolution offered by Board Member	<u>Hedv</u>	rig Kaufman		
Second offered by Board Member Jack Li	ndquist			
Upon roll call vote the following voted "aye": Don Lingar; Jim McDevitt; Jack Lindquist	Mark Baker;	Hedwig Kaufman	; Kraig	Yoas;
"nay": None	4.1.146			
Absent/Excused: Rhonda Sommers	1947 (1991 2) (19 1047 (1991 2) (1948 21 (1948 2) (1948 2)	iliu gag film 14), sht Qagar bhacht sif i gagaran i pilos so	t falls Cr Sept (Milate Sept (Milate	ation of Variety, Page

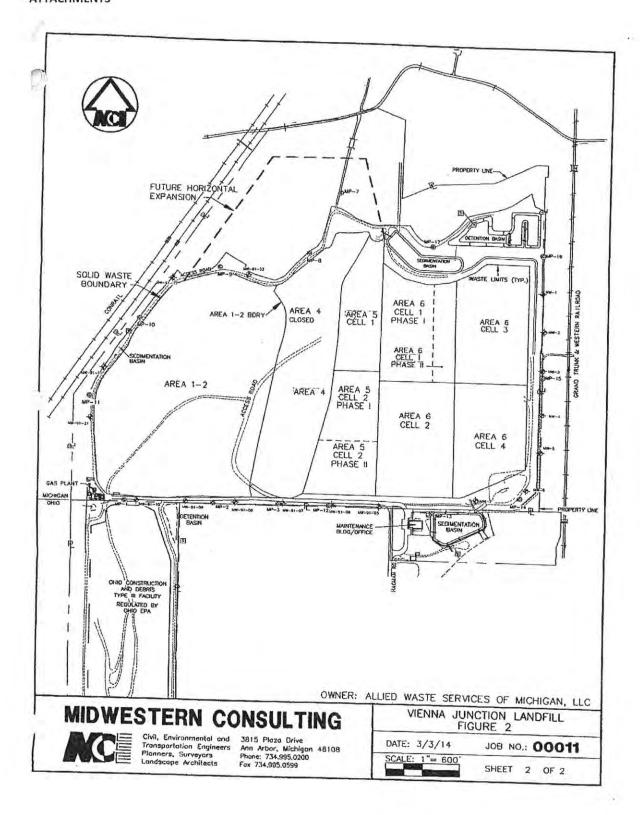
### RESOLUTION

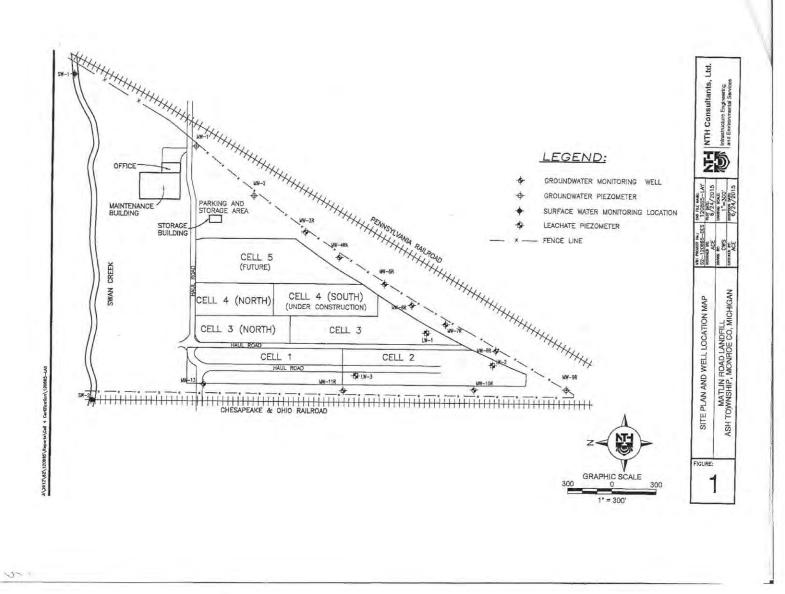
WHEREAS,	environment, and the rec	of Monroe, for reasons of public health, the protection of the quirements of state law, a need to have a County-wide plan to and disposal of nonhazardous solid waste generated in the		
WHEREAS,	Natural Resources and Er	s undertaken the update of said plan, as required by the wironmental Protection Act, 1994 PA 451, as amended Waste Management, and its Administrative Rules, of a solid and		
WHEREAS,		lid waste management plan calls for the reduction of solid waste requiring al through implementation of recycling, composting, and educational programs;		
WHEREAS,	the solid waste plan has been completed in accordance with Public Act 451, as amended, Part 115, approved by the Board of Commissioners of the County and is now submitted to all municipalities within the County, and if approved by 67% thereof and thereafter by the Director of the Michigan Department of Environmental Quality, shall be final, and if not so approved, the Director shall prepare a plan for the County which will be final:			
NOW, THEREFO	ORE BE IT RESOLVED that t	he London Township		
	of Morrison			
		nroe County Solid Waste Management Plan prepared under 51 part 115 as amended, as approved and submitted by the t 451, part 115.		
Stoce Lond adopted by the Signed:	on Lordon center 14,	, Clerk of theof do herby certify that the above captioned resolution was Township Boardon 2015		
yeas: 4	,	nays:		
absent: /	8	abstain:		
Bh: solid waste jami	Bh: solid waste jamie/swmp 2009/plan/municipalities resolution			

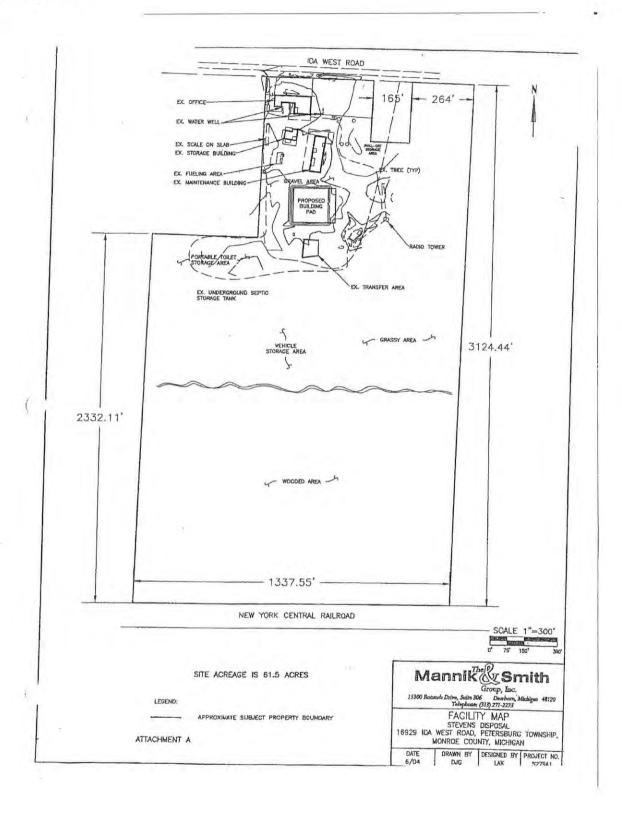
**ATTACHMENTS** THIS PAGE INTENTIONALLY LEFT BLANK

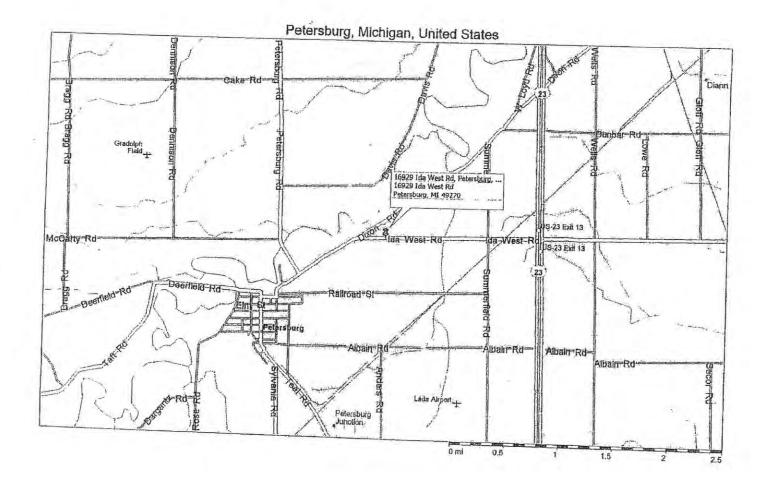
## ATTACHMENT B MAPS











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