STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JOHN ENGLER
GOVERNOR

RUSSELL J. HARDING
DIRECTOR

November 7, 2002

Mr. Ricardo A. Solomon, Chairperson
Wayne County Board of Commissioners
600 Randolph
Detroit, Michigan 48226

Dear Mr. Solomon:

The Department of Environmental Quality (DEQ) received the locally-approved update to the Wayne County Solid Waste Management Plan (Plan) on March 8, 2002. The Plan is approved with the following agreed upon modifications as outlined in the July 8, 2002 letter to Mr. Robert N. Ratz, Director, Land Resource Management Division, Wayne County Department of Environment (WCDE), from Ms. Lynn Dumroese, DEQ, Waste and Hazardous Materials Division (WHMD), and as confirmed in an August 8, 2002 letter from Mr. James Murray, Director, WCDE, and Mr. Michael Brinker, Chairperson, Wayne County Solid Waste Planning Committee.

On Page A 26, the Facility Description for New Center Recycling indicates this facility receives construction and demolition waste. The DEQ is aware that the Host Community Agreement between the city of Detroit and New Center Recycling states this facility is prohibited from storage or processing of construction and demolition waste. By Mr. Murray and Mr. Brinker's letter, Wayne County's intent was to have the facility description information negotiated in the Host Community Agreement take precedence over the facility description information in the Facility Description Sheets. For clarification purposes, the following language shall be added to Pages 21 and A 2: "If the facility description information included on the Facility Description Sheets conflicts with the Host Community Agreements, the facility description information in the Host Community Agreements supersedes information on the Facility Description Sheets."

On Page A 32, a clarification is needed in regard to the total area permitted found on the Facility Description for the S & J Transfer Station and Processing Facility (Facility). This clarification does not require a modification to the Plan; however, it is needed because it is not clear what the term "pending" means. This site has not received an Operating License; however, Wayne County's intent was to include the Facility in the Plan and authorize seven acres for the total area of the Facility property. Therefore, the following sentence should be added to the Facility Description Sheet for this Facility: "Seven acres is automatically consistent with the Plan for the Facility and does not need to be sited according to the siting mechanism."

On Page A 44, the Plan lists facilities that will be removed from the Plan. The DEQ's records indicate the K & K Rail Siding Transfer Station (Transfer Station) had received an Operating License in 1994; however, this Transfer Station has not renewed their license since then. The courts ruled in the case of Michigan Waste Systems – Ottawa County versus Department of Natural Resources, that an existing disposal area cannot be excluded from a County Solid Waste Management Plan and as defined in Rule 102 (p) of the administrative rules promulgated pursuant to Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, an "existing disposal area" means, in part, any of the following: (i) A disposal area that has been issued a construction permit under the act or (ii) A disposal area that has engineering plans approved by the Director before January 11, 1979. It is clear that the Transfer Station qualifies as an existing disposal area and, therefore, cannot be arbitrarily removed from the Plan. Mr. Paul Russo, who is the last known contact person for the Transfer Station, indicated in a letter dated September 3, 2002, that this Transfer Station has stopped operations and the current site will not be used as a transfer station in the future. Based on the information in Mr. Russo's letter, it does not appear that there is any objection to the Transfer Station being removed from the Plan. Therefore, the DEQ has determined that the Transfer Station shall be removed from the Plan. The DEQ records do not indicate the other facilities listed on Page A 44 are existing disposal areas; however, by Ms. Dumroese's letter, the DEQ did request Wayne County to submit any documentation that was available from these facilities. Mr. Murray and Mr. Brinker provided additional documentation confirming that the last known contact person for the other facilities listed on Page A 44 was notified; therefore, in order to alleviate any future discrepancy, this documentation shall be added to the Plan.

Another clarification is needed regarding the Wayne County Solid Waste Ordinance (Ordinance) found in Appendix G. The Ordinance references technical standards that the DEQ evaluates during their review of a construction permit and allows variances for some of these technical items. Mr. Murray and Mr. Brinker's letter clarifies that the Ordinance found in Appendix G is enforceable per Michigan Compiled Law 324.11538(8) with the Plan so long as the following paragraph is added to Page 61:

> Technical standards found within the Ordinance are enforceable if standards are equivalent to the technical standards in Part 115 and the Part 115 administrative rules. No standard within the Ordinance is enforceable if less restrictive than Part 115 or the Part 115 administrative rules. Wayne County's Ordinance was developed to provide reporting and operational standards for solid waste facilities located within Wayne County and to reference State standards for technical criteria. Wayne County understands the DEQ delegated authority under Subtitle D requires consistent technical standards for landfills. Decisions made by the DEQ regarding the enforceability of technical standards shall be final.

With these modifications, Wayne County's updated Plan is hereby approved, and Wayne County now assumes responsibility for the enforcement and implementation of this Plan. Please ensure that a copy of this letter is included with copies of the approved Plan distributed by Wayne County.

By approving the Plan with modifications, the DEQ has determined that it complies with the provisions of Part 115 and the Part 115 administrative rules concerning the required content of solid waste management plans. Specifically, the DEQ has determined that the Plan identifies the enforceable mechanisms that authorize the state, a county, a municipality, or a person to take legal action to guarantee compliance with the Plan, as required by Part 115. The Plan is enforceable, however, only to the extent that Wayne County properly implements these enforceable mechanisms under applicable enabling legislation. The Plan itself does not serve as such underlying enabling authority, and DEQ approval of the Plan neither restricts nor expands Wayne County's authority to implement these enforceable mechanisms.

The Plan may also contain other provisions that are neither required nor expressly authorized for inclusion in a solid waste management plan. DEQ approval of the Plan does not extend to any such provisions. Under Part 115, the DEQ has no statutory authority to determine whether such provisions have any force or effect.

The DEQ applauds your efforts and commitment in addressing the solid waste management issues in Wayne County. If you have any questions, please contact Ms. Rhonda Oyer Zimmerman, Chief, Solid Waste Management Unit, WHMD, at 517-373-4750, or you may contact me.

Sincerely,

Russell J. Harding
Director
517-373-7917

cc: Senator Loren N. Bennett
Senator Christopher D. Dingell
Senator George Zaven Hart
Senator Burton Leland
Senator Thaddeus G. McCotter
Senator Raymond M. Murphy
Senator Martha G. Scott
Senator Jackie Vaughn III
Senator Joe Young, Jr.
Representative Glenn S. Anderson
Representative Raymond E. Basham
Representative Bob Brown
Representative Irma Clark
Representative Hansen H. Clarke
Representative Kenneth R. Daniels
Representative Fred Durhal, Jr.
Representative Belda Garza
Representative Derrick R. Hale
Representative Artina Tinsley Hardman
Representative LaMar Lemmons
Representative George W. Mans
Representative Bill McConico
Representative William J. O'Neil
Representative Bruce Patterson
Representative Jim A. Plakas
Representative Triette Lipsey Reeves
Representative Andrew C. Richner
Representative Gloria Schermesser
Representative Keith B. Stallworth
Representative John C. Stewart
Representative Samuel Buzz Thomas III
Representative Laura M. Toy
Representative Mary D. Waters
Representative Gary Woronchak
Mr. James Murray, Director, WCDE
Mr. Michael Brinker, Chairperson, Wayne County Solid Waste Planning Committee
Mr. Robert N. Ratz, WCDE
Ms. Jennifer Shoha, Director, Governor's Southeastern Michigan Office
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Ms. Lynn Y. Buhl, Director of the Southeast Offices, DEQ
Mr. Thomas M. Hickson, Legislative Liaison, DEQ
Mr. George Bruchmann, DEQ
Mr. Lonnie Lee, DEQ
Dr. Benedict Okwumabua, DEQ
Ms. Rhonda Oyer Zimmerman, DEQ
Ms. Lynn Dumroese, DEQ
Wayne County File

WAYNE COUNTY

Edward H. McNamara
County Executive

August 8, 2002

Ms. Lynn Dumroese
Solid Waste Management Unit
Waste Management Division
P.O. Box 30241
Lansing, MI 48909-7741

Re: Wayne County Solid Waste Management Plan – 2000 Update

Dear Ms. Dumroese:

The Wayne County Department of Environment and the Wayne County Solid Waste Planning Committee Chair have reviewed your July 8, 2002 letter. The following proposed editorial responses to your comments do not substantively change the Plan and do not require formal committee approval. We request that the Michigan Department of Environmental Quality approve the Wayne County Solid Waste Management Plan with the following modifications:

- On page 21 after "... may not be reflected within the facility description sheets in Appendix A." and on page A 2 after "... may not be reflected within the following pages." add the following sentence "If information included on the Facility Description Sheets conflicts with the Host Community Agreements, information in the Host Community Agreement supersedes information on the Facility Descriptions."

- On page A 32 the Facility Description for the S&J Transfer and Processing Facility indicates under total area permitted "7 (pending)". This should be clarified to indicate that the operating license has not been issued for this facility, however if it is issued, it will be for 7 acres.

- The Wayne County Solid Waste Ordinance (Ordinance) found in Appendix G is enforceable per MCL 324.11538(8) with Wayne County's Solid Waste Management Plan as follows. Technical standards found within the Ordinance are enforceable if standards are equivalent to the technical standards in Part 115 and the Part 115 administrative rules. No standard within the Ordinance is enforceable if less restrictive than Part 115 or the Part 115 administrative rules. Wayne County's Ordinance was developed to provide reporting and operational

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standards for solid waste facilities located within Wayne County and to reference State standards for technical criteria. Wayne County understands MDEQ's delegated authority under Subtitle D requires consistent technical standards for landfills. Decisions made by the MDEQ regarding the enforceability of technical standards shall be final.

We believe the preceding modifications clarify the intent of the Wayne County Solid Waste Management Plan.

Regarding your comments about Page A 44 which lists facilities removed from the Wayne County Solid Waste Management Plan as part of this update. This list explains why the facilities are being removed. In all cases, the last known contact for each facility was notified of the intent to remove that facility from the Plan. Facilities that were previously licensed and that responded remain in the Plan. Facilities removed were notified and either did not respond or are no longer in business. Documentation is included with this letter.

Thank you for your consideration and we look forward to your favorable response and approval of the Wayne County Solid Waste Management Plan.

Sincerely,

James Murray
Director
Department of Environment

Michael Brinker
Chairperson
Wayne County Solid Waste Planning Committee

cc: Ben Okwumabua
DEQ - WMD

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- ☐ Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- ☐ Print your name and address on the reverse of this form so that we can return this card to you.
- ☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
- ☐ Write *"Return Receipt Requested"* on the mailpiece below the article number.
- ☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

MR. PAUL RUSSO
STEEL PRO
36253 MICHIGAN AVE
WAYNE, MI 48184

4a. Article Number
P 245 1054 469

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
3-24-00

5. Received By: *(Print Name)*
M. Trodenko

6. Signature *(Addressee or Agent)*
M. Trodenko

8. Addressee's Address *(Only if requested and fee is paid)*

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

Thank you for using Return Receipt Service.

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. Paul Russo
SteelPro
36253 Michigan Ave.
Wayne, MI 48184

RE: Removal of K&K Rail Transfer Station from Wayne County Solid Waste Management Plan

Dear Mr. Russo,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified K&K Rail located at 4058 Elizabeth, Wayne as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove K&K Rail from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that K&K Rail remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove K&K Rail from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, K&K Rail will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- ☐ Complete items 1 and/or 2 for additional services.
  Complete items 3, 4a, and 4b.
- ☐ Print your name and address on the reverse of this form so that we can return this card to you.
- ☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
- ☐ Write *"Return Receipt Requested"* on the mailpiece below the article number.
- ☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

Mr. William Madias
SRS Environmental
111 Military
Detroit, MI 48209

4a. Article Number
Z 451 054 459

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
3-26-00

5. Received By: *(Print Name)*

6. Signature *(Addressee or Agent)*

8. Addressee's Address *(Only if requested and fee is paid)*

Thank you for using Return Receipt Service.

PS Form **3811**, December 1994 102595-99-B-0223 Domestic Return Receipt

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. William Madias
SRS Environmental
111 Military
Detroit, MI 48209

RE: Removal of Nave Transfer Station from Wayne County Solid Waste Management Plan

Dear Mr. Madias,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Nave located at 4440 Wyoming, Dearborn as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Nave from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Nave remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Nave from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Nave will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

DEPARTMENT OF ENVIRONMENT
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Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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- ☐ Print your name and address on the reverse of this form so that we can return this card to you.
- ☐ Attach this form to the front of the mailpiece, or on the back if space does not permit.
- ☐ Write *"Return Receipt Requested"* on the mailpiece below the article number.
- ☐ The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

3. Article Addressed to:

MR. THOMAS A. FAIRALL
20665 CANAL DR.
GROSSE ILE, MI 48138

4a. Article Number

Z 451 054 468

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

3-27-99

5. Received By: *(Print Name)*

6. Signature *(Addressee or Agent)*

8. Addressee's Address *(Only if requested and fee is paid)*

Thank you for using Return Receipt Service.

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WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. Thomas A. Fairall
20665 Canal Dr.
Grosse Ile, MI 48138

RE: Removal of Fairall Trucking Transfer Station from Wayne County Solid Waste Management Plan

Dear Mr. Fairall,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Fairall Trucking located at 18472 Allen Rd., Riverview as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Fairall Trucking from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Fairall Trucking remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Fairall Trucking from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Fairall Trucking will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

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CERTIFIED

Z 451 054 466

MAIL

WAYNE COUNTY

Edward H. McNamara
County Executive

Department of
Environment
3600 Commerce Court, Bldg. E
Wayne, Michigan 48184

Mr. Henry C. Mardigian
Recycling Corporation of America
601 ~~Beaufait~~
Detroit, MI ~~48207~~

[redacted]

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. Henry C. Mardigian
Recycling Corporation of America
601 Beaufait
Detroit, MI 48207

RE: Removal of Recycling Corporation of America from Wayne County Solid Waste Management Plan

Dear Mr. Mardigian,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Recycling Corporation of America located in Taylor as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Recycling Corporation of America from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Recycling Corporation of America remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Recycling Corporation of America from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Recycling Corporation of America will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

DEPARTMENT OF ENVIRONMENT
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Z 451 054 470

WAYNE COUNTY

Edward H. McNamara
County Executive

Department of
Environment
3600 Commerce Court
Wayne, Michigan 48184

RETURNED TO SENDER

☐ MOVED, LEFT NO ADDRESS
☐ ATTEMPTED - NOT KNOWN
☐ UNCLAIMED ☐ REFUSED
☐ NO SUCH STREET
☐ NO SUCH NUMBER
☐ INSUFFICIENT ADDRESS
☑ NOT DELIVERABLE AS ADDRESSED UNABLE TO FORWARD

Time Limit Expired

UNITED STATES POSTAL SERVICE

Mr. Jack DerStepanian
18480 Elwell
Belleville, MI 48111

1st NOTICE _____
2nd NOTICE _____
RETURNED _____

48111-8307

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. Jack DerStepanian
18480 Elwell
Belleville, MI 48111

RE: Removal of Landfill, Inc. from Wayne County Solid Waste Management Plan

Dear Mr. DerStepanian,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Landfill, Inc. located at 39965 Judd Rd., Belleville as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Landfill, Inc. from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Landfill, Inc. remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Landfill, Inc. from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Landfill, Inc. will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

CERTIFIED

Z 451 054 458

MAIL

WAYNE COUNTY

Edward H. McNamara
County Executive

Department of
Environment
3600 Commerce Court
Wayne, Michigan 48184

RETURN TO SENDER
ADDRESSEE UNKNOWN

Metro/Detroit Environmental Services
2281 W. Fort St.
Detroit, MI 48226

RECEIVED
MAR 31 2003

CHRISSIA

[redacted]

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Metro/Detroit Environmental Services
2281 W. Fort St.
Detroit, MI 48226

RE: Removal of Metro/Detroit Environmental Services from Wayne County Solid Waste Management Plan

To Whom it may concern,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Metro/Detroit Environmental Services located at 7800 Dix, Detroit as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Metro/Detroit Environmental Services from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Metro/Detroit Environmental Services remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Metro/Detroit Environmental Services from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Metro/Detroit Environmental Services will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

CERTIFIED

Z 451 054 494

MAIL

WAYNE COUNTY

Edward H. McNamara
County Executive

Department of
Environment
3600 Commerce Court
Wayne, Michigan 48184

Mr. Frank Watson
18545 Schoolcraft Rd
Detroit, MI 48223

RETURNED TO SENDER
REASON CHECKED
Unclaimed ____ Refused ____
Attempted Not Known ____
Insufficient Address ____
No such street ____ number ____
No such office in state ____
Do not remail this piece ____

MAY 1 1

DEPARTMENT ENVIRONMENT

2350

303
RATZ

48223

WAYNE COUNTY

Edward H. McNamara
County Executive

March 23, 2000

Mr. Frank Watson
18545 Schoolcraft Rd.
Detroit, MI 48223

RE: Removal of Renaissance Recycling from Wayne County Solid Waste Management Plan

Dear Mr. Watson,

The Wayne County Department of Environment is in the process of updating the Wayne County Solid Waste Management Plan. As part of this process we have identified Renaissance Recycling located in Detroit as being previously approved; however, either it hasn't been constructed or is no longer licensed and operating. With this update, a decision will be made to remove Renaissance Recycling from the Plan unless you request and receive approval for continued inclusion from the Wayne County Siting Committee.

If you wish an opportunity to present your case so that Renaissance Recycling remains in the Solid Waste Management Plan, you must contact this office in writing identifying why it should not be removed. This information will be provided to the Siting Committee and a meeting will be scheduled to provide the Committee a chance to review your request and allow you an opportunity to present your position. The Committee will then decide to keep or remove Renaissance Recycling from the Plan.

If we do not hear from you in writing within 20 days from receipt of this letter, Renaissance Recycling will be removed from the Plan. If you have any questions or need additional information please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

DEPARTMENT OF ENVIRONMENT
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(734) 326-3936 FAX (734) 326-4421

▶SteelPro

36253 Michigan Avenue • Wayne Michigan 48184-1652 • 734 722 9500 PHONE • 734 722 7119 FAX

September 3, 2002

Lynn Dumroese
Michigan Department Of Environmental Quality
PO Box 30241
Lansing MI 48909

RE: K&K Rail Transfer Station

Dear Ms. Dumroese:

Please be advised that K&K Rail Transfer Station has stopped operations and the current site will not be used as a transfer station in the future.

Please feel free to call me should you have any questions.

Sincerely,

Paul Russo
President

QS9000/ISO9002

WASTE MANAGEMENT DIVISION

MAR 0 8 2002

WAYNE COUNTY

Edward H. McNamara
County Executive

Ms. Lynn Dumroese
MDEQ
Waste Management Div.
P.O. Box 30241
Lansing, MI 48909

Re: Request for Approval of the Wayne County Solid Waste Management Plan 2000 Update

Dear Ms. Dumroese,

Enclosed please find Wayne County's 2000 Update to our Solid Waste Management Plan, which is being submitted for final approval by the MDEQ. This Plan has been approved by the County Executive, Mr. McNamara, the County Commission and most recently by 67% of the municipalities within Wayne County. We are therefore forwarding it on for final approval as required under Act 451 P.A. 1994 Part 115. Attached to the Plan are the approval letters from the communities and the resolution of support from the County Commission. This Plan is the culmination of many hours of hard work by the Planning Committee and Wayne County Staff and we believe it to be a very good plan that meets the criteria established by Part 115.

This plan has not changed significantly from the version sent to you in August of 2001. However if you have any comments or questions regarding this document please contact me at (734) 326-4494. We are anxious to begin implementing the new provisions of this plan and would appreciate your review and approval as soon as practicable.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

CC: Jim Murray — WCDOE
SWM Planning Committee
Hilda Gurley-Highgate — WC Corp. Counsel
Ben Okwumabua — MDEQ Livonia District

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(734) 326-3936 • FAX (734) 326-4421

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Wayne County Solid Waste Implementation Committee
Minutes from May 9, 2001 Meeting

Members Present	Affiliation	Representing
Edward Boike	Wayne County Commission	County Government
Mike Brinker	GDRRA	City Government
Helen Foster	Environmentalist	Environmental Interest Group
Kevin Kelley	Redford Township Supervisor	Township Government
Laurie Kendall	Environmental Mgmt. Specialists	Solid Waste Industry
James Logsdon	Waste Management	Solid Waste Industry
William Matakas	Lawyer	General Public
Trenessa Mitchell	Republic Waste Services	Solid Waste Industry
Fran Schonenberg	Environmentalist	Environmental Interest Group
Ted Starbuck	SEMCOG	Regional Sol. Waste Planning
Don Windeler	Rouge Steel Company	Industrial Waste Generator

Alternates Present

Jerry Higgs	Alternate for committee member James Logsdon
John Pfeiffer	Alternate for committee member Edward Boike
Dave Williamson	Alternate for committee member John Hamilton

Member Absent

Ron Caramagno	Representing Waste Industry	Solid Waste Industry
John Hamilton	Int'l. Union of Operating Engineers	General Public
Christopher Jackson	Access Consulting Group	General Public

Staff Present

Mike Droze	Land Resource Management Division, Assistant Director
Hilda Gurley-Highgate	Wayne County Corporate Counsel
Cindra James	Land Resource Management Division, Solid Waste Planning
Robert Ratz	Land Resource Management Division, Director
Mary Vangieson	Land Resource Management Division, Solid Waste Planning

Others Present

Brian Ballard	Van Buren Township, Environmental Coordinator
Dr. David Couture	City of River Rouge
Richard Hornkohr	City of Westland, Superintendent of Water & Sewer
Cindy King	Van Buren Township, Supervisor
Martin Ladd	City of Taylor, DPW Superintendent
John Menna	City of Riverview, Asst. Director of Solid Waste
Jim Murray	Huron Township Ordinance Officer
Michael C. Wood	CWCSA, Plant Engineer

Agenda Item I – Call to Order
Mr. Brinker called the meeting to order at 9:10 a.m.

Agenda Item II – Roll Call
Mr. Ratz took roll call. There was a quorum, as identified.

Mr. Brinker offered the minutes of the April 25, 2001 meeting, to either approve or propose changes. Mr. Kelly made a motion to accept the meeting minutes, and Ms. Foster supported the motion. **Approved Unanimously.**

Agenda Item III – Draft Plan
A. Discuss final changes
Mr. Ratz informed the committee that he would identify and discuss the final editorial changes and corrections to the Plan document.

Mr. Ratz reported that the Facility Inclusion Process, page 56, should have included the breakdown of the committee and its responsibilities; it was unintentionally omitted. An update has been made to include pages 54, 55, and 56, with page 56 identifying the full committee. The type size will be condensed to include the committee identification; nothing else has changed in that section.

Mr. Ratz discussed the unresolved issue regarding solid waste management alternatives and the State Department of Environmental Quality's comments on that particular section of the document. The State commented that a ranking of solid waste management alternatives was not provided. There was discussion at the last meeting and the matter was referred to the TAC. The 1990 and 1985 plans were reviewed. The decision was made to revise the last paragraph on page 34 and talk about the ranking and priorities of the County plan. "Wayne County's priorities emphasize waste reduction as a primary and continuing objective . . ." Mr. Brinker stated that the added paragraph was a fair attempt to address the issues brought forward by the State.

Mr. Matakas asked if the priorities in 1985 were stated and similarly ranked. Mr. Ratz answered yes. Mr. Matakas suggested a statement be made to say that in the previous 1985 and 1990 plan, priorities were in place, have been reviewed and are now being continued. Mr. Starbuck commented that it shows consistency over time. Mr. Windeler stated the addition would address the comment that he had at the previous meeting. He suggested adding the word "approved" before the 1985 and 1990 plan for emphasis.

Mr. Ratz concluded the discussion of the changes made as a result of the last meeting.

Ms. Foster acknowledged the committee members that participated throughout the process and expressed her appreciation of the collective effort. First and foremost, she wanted to express her admiration for the members of the committee and the County for the perseverance in dealing with the State of Michigan's "must site" provision. She commented that the plan is full of common sense and that she has a great deal of respect for staff for securing agreement from the State of Michigan regarding Wayne County's siting procedure. Secondly, she would like people to understand that "local control" received a good deal of attention from the Committee. The plan

recognizes self-determination with respect to local ordinances and emphasizes both the ordinances and the host community agreements. Staff sent the draft plan to the State of Michigan and comments were favorable. Lastly, the plan has her strong support because, even though there is a lot of landfill space available, the plan continues to emphasize reduce, reuse, recycle. She commented that is an excellent approach and takes advantage of all of the options available in the County and is one that the Commission should appreciate as well.

B. Vote on the acceptance Draft changes

Mr. Ratz reviewed the approval process of the plan document accepted by the SWIC. Following Committee approval, the document will go to the Executive's office for review and approval. From there it will go to the County Commission for approval. It will go to Commission sub-committee and probably to the full Commission, with public comment opportunity at those meetings. Once through that process, it goes out to all the communities within Wayne County for their adoption. Once two-thirds of the communities have approved it, the Wayne County Plan will be forwarded to the State MDEQ for final approval.

Ms. Foster made a motion that with the clarifications regarding the previously approved '85 and '90's plans that the SWIC forward the draft solid waste management plan to the County Executive and the County Commission. Ms. Schonenberg supported.

Mr. Matakas requested that both the solid waste alternatives and the facility inclusion edits be adopted individually before a vote on the draft. Ms. Foster indicated that a motion could be made regarding those two matters. Then a vote for Mr. Matakas' motion and another vote for the original motion.

Mr. Matakas made a motion that the solid waste management alternative proposal be accepted as amended to read "previously approved 1985 and 1990 plans". Mr. Windeler seconded the motion.
Approved unanimously.

Mr. Matakas made a motion that the facility inclusion process proposal be accepted as presented by staff regarding pages 54, 55, and 56. Mr. Starbuck supported the motion.
Approved unanimously.

Ms. Foster restated her motion to approve, by roll call vote, and forward the plan to the Wayne County Executive and the Wayne County Commission for their approval. Mr. Kelly supported the motion. Mr. Ratz called each committee members present for their vote.
Approved unanimously.

Agenda Item IV – Public Comment

Mr. Logsdon, as an industry representative made comments about the plan and how it relates to the solid waste industry. He stated that he served on the committee many years. He works for Waste Management which is a large supplier of the services for solid waste collection and disposal. Working in the industry under a plan like this is easy for industry because it's user friendly, it lays down the guidelines for a level playing field. The planning process is tied to the MDEQ rules and regulations that all in the industry have to follow. There are significant rules

and regulations to follow. This plan and other plans like it throughout the State of Michigan do allow industry to manage their business in an environmentally safe fashion.

Ms. Schonenberg commented that Mr. Logsdon's main point is that both sides need to work to set the rules and then know what they are. Environmentalists or anyone else can go after the industry, the industry can stand up for its rights and the process is spelled out. As an environmentalist, Ms. Schonenberg stated that she is concerned about the alternatives, but realizes that in real life there is going to be trash and that these issues will be negotiated in the future.

Mr. Starbuck, represents municipalities across the region and sits on three planning committees. He thanked staff for their efforts and commented that it is a good, clear plan that is easy to follow. The rules are laid out and it recognizes local government decision making process for activities that take place in their communities.

Mr. Brinker said that the next effort, aside from the CEO's approval, is going to be the public forum with the Commissioners. Mr. Brinker stated to Commissioner Boike that he volunteers to support the effort before the Commission sub-committee to support the presentation/marketing of the Plan. Mr. Boike stated that the opportunity to do so would be available as soon as the plan clears the Executive's office. After that, it will go to the subcommittee on Environment, Drain, and Sewers. If it could be worked out, he would like it to go to the Committee of the Whole, before it goes to the Board, to explain it to everyone and to report the changes. Mr. Boike commented that he has learned so much just by sitting and listening to everyone in the industry and that the Department has been great.

Mr. Windeler stated that Rouge Steel is a generator and a consumer of this service. The disposition and the proper handling of the waste they generate is very important. Rouge Steel spends over three million dollars per year on the disposal of solid waste. They are concerned about liabilities. They want to make sure that that liability does not become a greater liability because of improper disposal. They are very pleased that there is a plan that deals with and requires community input and encourages competition in that industry and cost reduction in that industry. He offered to Commissioner Boike that if he needed anyone to attend the Commission meetings from a generator's perspective, he would be available.

Agenda Item V – Adjournment
Mr. Brinker requested a motion to adjourn. Ms. Schonenberg and Mr. Starbuck made and supported the motion.

Approved Unanimously.
Meeting adjourned at 9:40 a.m.

RESOLUTION

No. 2001-482

By Commissioner Boike

RESOLVED, by the Wayne County Commission on this 19th day of July, 2001 that approval be, and is hereby, granted authorizing the Wayne County Solid Waste Management Plan that the update has been developed and approved by Wayne County Solid Waste Implementation Committee in accordance with the requirements of Part 115 of Act 451 P.A. 1994 as amended, as recommended by the Chief Executive Officer; and be it further

RESOLVED, that the Chief Executive Officer be, and is hereby, duly authorized to execute the aforementioned plan update on behalf of the County of Wayne.

[Wayne County Solid Waste Management Plan Update on File]

(2001-70-071)

PROPOSED

EQUALIZATION SESSION

NINTH DAY

Commission Chamber Room 400, 4th Floor, Wayne County Building, Detroit, Michigan

Thursday, July 19, 2001

10:00 a.m.

The Commission was called to order by the Chair of the Commission, Ricardo A. Solomon, at 10:18 a.m.

The roll of the Commission was requested by the Clerk of the Commission, Alfred N. Montgomery:

Bankes	**- present**	**Cushingberry**	**- e.d.s.**	**Sullivan**	**- present**
Blackwell	**- present**	**Hall**	**- excused**	**Varga**	**- present**
Boike	**- present**	**Hubbard**	**- e.d.s.**	**Ware**	**- present**
C. Cavanagh	**- excused**	**Palamara**	**- present**	**Beard**	**- present**
P. Cavanagh	**- present**	**Parker**	**- present**	**Solomon**	**- present**

11 present, a quorum

e.d.s. = entered during session

PROPOSED

and/or place on file the foregoing communications as indicated, with the exception of Nos. 38, 39, 40, 41, 42 and 45 to be given immediate consideration.

The Commissioners voted as follows:

Yea -- Commissioners Bankes, Blackwell, Boike, Palamara, Parker, Sullivan, Varga, Vice-Chair Pro Tempore Ware, Vice-Chair Beard, Chairman Solomon -- 10
Nay -- None
Abstain -- None
Not Voting -- Commissioners P. Cavanagh, Cushingberry, Hubbard -- 3
Excused -- Commissioners C. Cavanagh, Hall -- 2

Vice-Chair Beard, supported by Vice-Chair Pro Tempore Ware and Commissioner Boike, moved approval of foregoing items 38, 39, 40, 41, 42 and 45, and adoption of the six resolutions.

Following discussion by the Commissioners with John Wiktor, Director, Administrative Services, Health Department, Department of Health and Community Services and Larry Fitch, Director of Parks Division, Department of Public Services, **Chairman Solomon requested a vote on adoption of the resolutions, which prevailed, a majority of Commissioners serving having voted therefor by the following Roll Call:**

Yea -- Commissioners Bankes, Blackwell, Boike, P. Cavanagh, Cushingberry, Hubbard, Palamara, Parker, Sullivan, Varga, Vice-Chair Pro Tempore Ware, Vice-Chair Beard, Chairman Solomon -- 13
Nay -- None
Abstain -- None
Not Voting -- None
Excused -- Commissioners C. Cavanagh, Hall -- 2

[Resolution Nos. 2001-476, 2001-477, 2001-478, 2001-479, 2001-480 and 2001-481]

REPORTS FROM COMMITTEES

A. Report from the **COMMITTEE ON ENVIRONMENT, DRAINS AND SEWERS** recommending the following:

1. Approval of the Wayne County Solid Waste Management Plan update; the CEO advises that once the Commission approves the Plan, it will be forwarded to the Wayne County municipalities for their approval. (2001-70-071)

2. Approval of a sole-source contract between the County of Wayne and Kennedy Industries (of Milford, MI) in the amount of $7,830 to provide for the purchase of a de-watering pump for the Inkster CSO Basin; the CEO advises that Kennedy Industries is the sole source supplier for this equipment in the State of Michigan; the cost of the contract shall be charged to Account No. 596 54017 978000 (CSO Basins). (2001-37-299)

   Firm: Kennedy Industries
   Address: 4975 Technical Drive, P.O. Box 809, Milford, MI 48381-0809

PROPOSED

Contact: Keith Sikairis (248) 684-1200

3. Approval of a sole-source contract between the County of Wayne and Andritz-Ruthner, Inc. (of Arlington, TX) in the amount of $9,675 to provide parts needed for the Andritz Belt Filter Presses; the CEO advises that Andritz-Ruthner is the sole source supplier for all replacement parts and accessories for their equipment; the cost of the contract shall be charged to Account No. 590 54003 745000 (Downriver). (2001-37-289)

Firm: Andritz-Ruthner, Inc.
Address: 1010 Commercial Blvd., South Arlington, TX 76001
Contact: Julie Larimer (800) 433-5161

PROPOSED

4. Approval of a sole-source two-year contract with a one-year renewal option between the County of Wayne and Robicon (of New Kensington, PA) in the amount of $16,380 for maintenance/service of specialized equipment for the Department of Environment; the CEO advises that only manufacturer representatives are authorized to maintain Robicon machinery; the cost of the contract shall be charged to Account No. 590 54003 932000 (Downriver). (2001-37-287)

   Firm: Robicon
   Address: 500 Hunt Valley Rd., New Kensington PA 15068
   Contact: Donald DiEmidio (724) 334-5697

5. Ratification of the Chairman's Emergency approval of a one-month extension to the contract between the County of Wayne and U.S. Liquids of Detroit, Inc. (of Detroit) until a new contract is approved by the Wayne County Commission for the disposal of biosolids; the current contract expires June 30, 2001 and the extension will be for the period of July 1, 2001 through July 31, 2001; the CEO advises that no additional funds are needed and a contract extension will save the County approximately $47,400 in comparison with new contract rates. (96-37-111A)

   Firm: U.S. Liquids of Detroit, Inc.
   Address 1923 Fredrick St., Detroit, MI 48211
   Contact: James Kreger (313) 923-0080

6. Approval a contract between the County of Wayne and Yates Construction Company, Inc. (of Oxford, MI) in the amount of $238,635 to provide professional services in connection with the Crawford and Shuart Drain Maintenance Projects; the CEO advises that two firms responded to advertisements; after review, Orchard, Hiltz & McClements, Inc., consulting engineers for the projects, recommend Yates, all in accordance with specifications; the cost of the contract shall be charged to Account Nos. 801 various (Drain Maintenance). (2001-70-073)

   Firm: Yates Construction Company, Inc.
   Address: 1630 Tu Van Trail, Oxford, MI 48371
   Contact: James R. Yates (248) 628-2181

7. Approval of the authorization of the Wayne County Executive, or his designee, to execute agreements, contracts, and grant documents pertaining to the Rouge River National Wet Weather Demonstration Grant projects with selected agencies for storm water general permit activities (Round IIB). (2001-70-074)

Commissioner Boike, supported by Vice-Chair Pro Tempore Ware, moved approval of foregoing Report A items 1, 2, 3, 4, 5, 6 and 7, and adoption of the seven resolutions.

Charter Township of Brownstown

SHERRY A. BERECZ-BURTON
Clerk

21313 TELEGRAPH ROAD
BROWNSTOWN, MICHIGAN 48183-1399
E-mail. www.brownstown-mi.org

Phone: (734) 675-0910
Fax: (734) 675-9931

October 19, 2001

Mr. Robert Ratz, Director
Wayne County Department of Environment
Land Resource Management Division
3600 Commerce Court
Wayne, MI 48184

Dear Mr. Ratz:

At its regular meeting of October 15, 2001, the Charter Township of Brownstown Board of Trustees approved and adopted the Wayne County Solid Waste Management Plan 2000 Update. Enclosed please find certification of said motion.

If further information is needed, please contact the Clerk's Office at (734) 675-0910.

Warm regards,

Sherry A. Berecz-Burton, Clerk
Charter Township of Brownstown

SABB/smk

Enclosure

Charter Township of Brownstown

SHERRY A. BERECZ-BURTON
Clerk

21313 TELEGRAPH ROAD
BROWNSTOWN, MICHIGAN 48183-1399
E-mail: www.brownstown-mi.org

Phone: (734) 675-0910
Fax: (734) 675-9931

October 18, 2001

OCT 24 2001

TO WHOM IT MAY CONCERN:

State of Michigan
County of Wayne:

I, Sherry A. Berecz-Burton, duly qualified Clerk of the Charter Township of Brownstown, County of Wayne, State of Michigan, hereby certify that the following is a copy of a motion taken from unapproved minutes of the Charter Township of Brownstown Board of Trustees regular meeting held on October 15, 2001 and is therefore subject to correction at the meeting of November 5, 2001. Present: Clerk Berecz-Burton and Trustees: Cronin, Harris, Mann, and Young. Absent and excused: None.

Excerpt from minutes:

> *"Motion of Berecz-Burton, supported by Cronin, to approve and adopt the Wayne County Solid Waste Management Plan 2000 Update as submitted. All present voting aye."*

Respectfully,

Sherry A. Berecz-Burton, Clerk
Charter Township of Brownstown

SABB/smk

City of Dearborn Heights

6045 FENTON • DEARBORN HEIGHTS, MICHIGAN 48127
TELEPHONE: (313) 277-7225

Joyce A. Robbins
CITY CLERK

OCT 12 2001

October 10, 2001

Wayne County Department of Environment
Land Resource Management Division
3600 Commerce Court
Wayne, MI 48184

To Whom It May Concern:

The following is a copy of a motion adopted at the Regular Meeting of the Dearborn Heights City Council held on October 9, 2001.

01-561 Motion by Councilman Baron, seconded by Councilwoman Agius, that the City Council concurs with and approves the Wayne County Solid Waste Management Plan 2000 Update, per Executive Assistant Heise, communication dated October 2, 2001. Further that said approval be forwarded to the Land Resource Management Division, 3600 Commerce Court, Wayne, Michigan 48184, per Executive Assistant Heise, communication dated October 2, 2001.

AYES: Councilwoman Agius, Councilman Baron, Council Chairwoman Horvath, Councilwoman Judeh, Councilman Paletko, Councilman Turfe, Councilwoman Van Houten.
NO: None.
ABSENT: None.

Motion unanimously adopted.

I hereby certify that the above is a true and correct copy of a motion adopted at the October 9, 2001 meeting of the Dearborn Heights City Council.

Very truly yours,

Joyce A. Robbins

JOYCE A. ROBBINS,
Dearborn Heights City Clerk

cc: Mayor, Executive Assistant

CANTON
Community

OCT 0 - 2001

GENERAL OFFICES

1150 Canton Center S.
Canton, MI 48188-1699
734/394-5100
734/394-5128 FAX

Thomas J. Yack
Supervisor
394-5185
394-5234 FAX

Terry G. Bennett
Clerk
394-5120
394-5128 FAX

Elaine J. Kirchgatter
Treasurer
394-5130
394-5139 FAX

John M. Burdziak
Philip J. LaJoy
Melissa McLaughlin
Robert J. Shefferly
Trustees

Resolution
Charter Township of Canton
Wayne County Solid Waste Management Plan

RESOLVED Now, Therefore, be it resolved that the Wayne County Solid Waste Management Plan 2000 Update be approved.

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board of the Charter Township of Canton, County of Wayne, Michigan, at a regular meeting held on Tuesday, September 25, 2001 and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and all will be or have been made available as required by said Act.

Terry G. Bennett
Township Clerk

OFFICIALS
William R. Griggs
CITY CLERK
Andrew A. Swiecki
CITY TREASURER
Colleen A. Keehn
CITY ASSESSOR

RECEIVED
SEP 20 2001

CITY OF Wyandotte MICHIGAN • 1854

COUNCIL
Todd M. Browning
James R. DeSana
Johnny A. Kolakowski
Mark A. Paryaski
Patrick J. Sutka
Tom Talluto

September 11, 2001

LEONARD T. SABUDA
MAYOR

RESOLUTION

James E. Murray Director
Department of Environment
Wayne County
415 Clifford
Detroit, Michigan 48226

By Councilman Tom Talluto
Supported by Mark A. Paryaski

RESOLVED by the City Council that the communications from James E. Murray Director Wayne County and the City Engineer are hereby received and placed on file. AND BE IT FURTHER RESOLVED that the City of Wyandotte approves the Wayne County Solid Waste Management Plan 2000 Update dated April 25, 2001, as required by Public Act 451 of 1994 Part 115.

MOTION UNANIMOUSLY CARRIED

RESOLUTION DECLARED ADOPTED

I, William R. Griggs, City Clerk for the City of Wyandotte, do hereby certify that the foregoing is a true and exact copy of a resolution adopted by the Mayor and Council of the City of Wyandotte, at the regular meeting held on September 10, 2001.

William R. Griggs

WILLIAM R. GRIGGS
CITY CLERK

cc: Engineer
File

City of
WAYNE

RECEIVED
SEP 25 2001

RESOLUTION

Upon a motion by Councilwoman McEachern, supported by Mayor Pro Tem Dobrowolski and unanimously carried, it was resolved to approve support of the 2000 Update to the Wayne County Solid Waste Management Plan.

CERTIFICATION

I, Mary E. Carney, City Clerk for the City of Wayne, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council for the City of Wayne, Michigan, at a regular meeting held on Tuesday, September 18, 2001 at 8:00 p.m. in the Council Chambers of Wayne City Hall, 3355 South Wayne Road, Wayne, Michigan.

Mary E. Carney

Mary E. Carney
City Clerk

3355 South Wayne Road · Wayne, Michigan 48184 · (734) 722-2000 · fax: (734) 722-5052
CityCouncil@ci.wayne.mi.us www.ci.wayne.mi.us

MAYOR
Patricia D. Hartig
CLERK
Kyle F. Stack
TREASURER
John L. Cherpak
ASSESSOR
Mary E. Batcheller

City of TRENTON

COUNCIL
Terrence P. Teifer, Mayor Pro-Tem
Timothy R. Taylor
D. Brad O'Connor
William D. LeFevre
Larry R. McKinnon
M. Janet Mans

RECEIVED SEP 21 2001

September 18, 2001

James E. Murray, Director
Land Resource Management Division
3600 Commerce Court
Wayne Michigan 48184

Dear Mr. Murray:

At the regular Council Meeting of September 17, 2001, in the City of Trenton, the following motion was passed unanimously:

(D-5)
DPS
Wayne County Solid Waste Management Plan 2000 Update

Moved by Councilwoman Mans, seconded by Councilman Taylor, to concur with the recommendation of the DPS Director and approve the 2000 Update to the Wayne County Solid Waste Management Plan as required by Public Act 451 of 1994 Part 115.

Carried unanimously.

I certify that the forgoing is a true copy of the resolutions passed by the City Council of the City of Trenton at a Regular Council Meeting held in the City Council Room in said City on the 17th day of September, 2001.

BY: Patricia M. Gearhart
Patricia M. Gearhart, Deputy City Clerk

RESOLUTION 2001-177

At a regular meeting of the Northville Township Board of Trustees held on October 18, 2001, at 7:30 p.m. at the Northville Township Civic Center, the following resolution was offered:

WHEREAS: Wayne County has adopted an updated solid waste management plan which needs endorsement from 2/3 of the communities within the County for validation with the MDEQ; and

WHEREAS: The Board of Trustees have reviewed and discussed the updated Wayne County solid waste management plan; and

NOW THEREFORE BE IT RESOLVED: Upon a motion by Clerk Hillebrand and a second by Treasurer Henningsen to endorse the Wayne County Solid Waste Management Plan 2000 update.

AYES: **Abbo, Hillebrand, Henningsen, Banner, Gans, Klokkenga, Werner**
NAYS: **None**
ABSENT: **None**

RESOLUTION DECLARED ADOPTED:

I, Sue A. Hillebrand, Clerk of the Charter Township of Northville, County of Wayne, State of Michigan, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Board of Trustees at their regular meeting held on October 18, 2001, at 41600 Six Mile Road.

Sue A. Hillebrand

Sue A. Hillebrand, Clerk

CITY OF WESTLAND

DEPARTMENT OF CITY CLERK

36601 Ford Road • Westland, Michigan 48185-2298
Clerk (734) 467-3185 Council (734) 467-3191 FAX (734) 721-1377

Robert J. Thomas
Mayor

Joann M. Seaberg
City Clerk

October 23, 2001

James Murray
Wayne County Department of Environment
Land Resource Management Division
3600 Commerce Court
Wayne, MI 48184

Dear Mr. Murray:

At a regular meeting of the Westland City Council held on October 15, 2001, the following resolution was adopted: (Resolution No. 2001-10-220)

"RESOLVED that Council approves the 2000 Wayne County Solid Waste Management Plan."

Sincerely,

Joann M. Seaberg
City Clerk

JMS/aem
Cc: Westland Department of Public Service

RECEIVED
OCT 31 2001
DIVISION OF ENVIRONMENT

SUMPTER TOWNSHIP

Supervisor Elmer Parraghi
Clerk Clarence J. Hoffman Jr.
Treasurer John Morgan
Trustees Karen Armatis, Clifford Hill, Linton Macklin, Helen Teall

23480 Sumpter Road
Belleville, Michigan 48111
Ph: (734) 461-6201
Fax: (734) 461-6441

RECEIVED
OCT 30 2001
DEPARTMENT OF ENVIRONMENT

October 29, 2001

Robert N. Ratz
Director
Land Resource Management Division
Wayne County Department of Environment
3600 Commerce Court
Building E
Wayne, Michigan 48184
Ph: (734) 326-3936
Fax: (734) 326-4421

Re: Sumpter Township Resolution Supporting Wayne County Solid Waste Management Plan 2000 Update

Dear Mr. Ratz,
Enclosed is Sumpter Township's resolution supporting the Wayne County Solid Waste Plan 2000 Update.

Sincerely,

Stephen Kunselman,
Administrator

Encl:

RESOLUTION 2001- 21

TOWNSHIP OF SUMPTER

WAYNE COUNTY
SOLID WASTE MANAGEMENT PLAN
2000 UPDATE

RECEIVED
OCT 30 2001
DEPARTMENT OF ENVIRONMENT

Minutes of a regular meeting of the Township Board of Trustees of the Township of Sumpter, County of Wayne, State of Michigan, (the "Township") held on the 23rd day of October, 2001 in the Township Hall at 7:00 p.m., Eastern Daylight Savings Time.

PRESENT: Supervisor Elmer Parraghi, Clerk Clarence Hoffman, Treasurer John Morgan, and Trustees Clifford Hill, Helen Teall, Karen Armatis
ABSENT: Linton Macklin

The following preamble and resolution were offered by Hoffman and supported by Armatis,

WHEREAS, the 2000 Update to the Wayne County Solid Waste Plan has been submitted by Wayne County to the Sumpter Township Board of Trustees for review and approval as required by Public Act 451 of 1994, Part 115; and

WHEREAS, the 2000 Update has been approved by the Wayne County Solid Waste Planning/Implementation Committee and Wayne County Executive Edward H. McNamara and adopted by the Wayne County Commission following extensive opportunity for public review and comment; and

WHEREAS, the 2000 Update recognizes Carleton Farms Landfill and the host community of Sumpter Township, as an integral component of the Wayne County Solid Waste Plan;

NOW THEREFORE BE IT RESOLVED, that the Board of Trustees hereby approves the 2000 Update to the Wayne County Solid Waste Plan.

AYES: Supervisor Elmer Parraghi, Clerk Clarence Hoffman, Treasurer John Morgan, and Trustees Clifford Hill, Helen Teall, Karen Armatis

NAYS: None

ABSENT: Linton Macklin

RESOLUTION DECLARED ADOPTED.

STATE OF MICHIGAN)
)ss
COUNTY OF WAYNE)

I, hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board of the Township of Sumpter, County of Wayne, State of Michigan, at a public meeting held on the 23rd day of October, 2001, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been available as required by said Act.

Clarence J. Hoffman Jr., Clerk
Township of Sumpter

Dated: 10-23-2001

Charter Township of Redford

12200 BEECH DALY ROAD • REDFORD, MI 48239 • 313-387-2640 • FAX 313-387-2610

Office of the Director of Public Services

LEO SNAGE, DIRECTOR

KEVIN F. KELLEY
SUPERVISOR

GARTH J. CHRISTIE, CLERK

ROBERT F. BRANG, JR., TREASURER

TRUSTEES

THOMAS E. DOWDY
GERALD GAJEWSKI
R. MILES HANDY, II
KELLY D. WATSON

January 2, 2002

JAN 04 2002

Mr. Robert N. Ratz, P.E.
LRMD Director
Wayne Cty. Dept. of Environment
3600 Commerce Court
Building E
Wayne MI 48184

In re: **Wayne County Solid Waste Ordinance**

Dear Mr. Ratz:

As a follow up to your conversation with Ray Parsons, Superintendent of Redford's DPW/Sanitation Departments, please find enclosed a copy of the Township Board's Resolution 01:261 regarding it's approval of Wayne County's Solid Waste Ordinance updating the Master Plan.

Sincerely,

Leo Snage
Director of Public Services

/kaa
enclosure
cc: Ray Parsons, Superintendent of DPW/Sanitation Departments
Garth Christie, Township Clerk

Mary VanGieson, Wayne Cty. Environment/
Planning Dept.

Office of the Clerk
GARTH J. CHRISTIE

Charter Township of Redford

DATE: December 20, 2001

TO: Leo Snage, Director of Public Services

RE: Wayne County Solid Waste Ordinance

Enclosed for your records is Redford Township Board Motion # 01:261 approved at a Regular Meeting of the Redford Township Board held on December 17, 2001.

Sincerely,

Garth J. Christie, Clerk
Charter Township of Redford

GJC/aw
cc: Ray Parsons

15145 BEECH DALY ROAD • REDFORD, MICHIGAN 48239 • (313) 387-2750 • FAX (313) 387-2707

CHARTER TOWNSHIP OF REDFORD

REGULAR MEETING REDFORD TOWNSHIP BOARD DECEMBER 17, 2001

A Regular Meeting of the Redford Township Board was held on Monday, December 17, 2001 in the Board Room of the Redford Township Hall, 15145 Beech Daly. Supervisor Kelley called the meeting to order at 7:00 p.m.

After the Pledge of Allegiance, Trustee Dowdy gave the invocation.

PRESENT:	Kevin F. Kelley	Tom Dowdy
	Garth J. Christie	Gerald Gajewski
	Robert F. Brang, Jr.	R. Miles Handy, II
		Kelly D. Watson
ABSENT:	None	

CITIZEN'S COMMENTS: Jim Donahue, 18500 Olympia spoke about cost to copy public document. He feels the township should make documents available (proposed 2002/03 budget) to the public at a nominal fee. Clerk Christie responded that his office is happy to provide any citizen with any information that he is entitled to. The rate that we charge for copying is prescribed by the State of Michigan. It is very costly to copy a budget, so in the past we have always made it available for public viewing in the Clerk's Office

01:260 CONSENT AGENDA ITEMS:

1. That we remove Consent Agenda item 3 (identification card system). Mr. Brang said it is not in compliance with the bidding regulations.
2. That we approve the minutes of the Regular Meeting of December 3, 2001.
3. That we set a Public Hearing for 7:00 p.m. on January 28, 2002 for Rite-On Industries regarding Brownfield Redevelopment.

Motioned by Brang, supported by Handy that we approve the Consent Agenda Items as presented. Motion carried unanimously.

01:261 BY HANDY, SUPPORTED BY GAJEWSKI

That we approve the Wayne County Solid Waste Ordinance that will update the County's Solid Waste Mater Plan.

Motion carried unanimously.

01:262 BY BRANG, SUPPORTED BY HANDY

That we approve the 2002 specialized service contract for the Redford

RESOLUTION

02-2-102. RESOLVED by Councilman M. Hendricks, seconded by Councilwoman James, that

WHEREAS, Wayne County has adopted an updated Solid Waste Management Plan which needs enforcement from two-thirds of the communities within the County for validation with the Michigan Department of Environmental Quality (MDEQ); and

WHEREAS, the City of Inkster has reviewed and discussed the updated Wayne County Solid Waste Management Plan.

NOW, THEREFORE, BE IT RESOLVED, that the Council of the City of Inkster hereby approves the Wayne County Solid Waste Management Plan 2000 Update dated April 25, 2001, as required by Act 451 of 1994 Part 115.

YEAS: Councilpersons Harris-Foster, E. Hendricks, Bostedor, Coleman-Richardson, M. Hendricks, James and Mayor Hampton.

NAYS: None.

ABSENT: None.

* *

I hereby certify that the foregoing is a true and correct copy of a Resolution adopted by the Council of the City of Inkster, Wayne County, Michigan, at a Regular Council Meeting held February 18, 2002.

Kimberly Turner
City Clerk
Inkster, Michigan

RESOLUTION

RECEIVED
FEB 26 2002
DEPARTMENT OF ENVIRONMENT

RES. #2002-22

WHEREAS, the City of Plymouth collects and disposes of solid waste in order to protect the public health, safety and welfare; and

WHEREAS, the City's solid waste is regulated by the Wayne County Solid Waste Plan and this plan is currently being updated; and

WHEREAS, the City Administration has reviewed the new revised plan and finds that the plan will continue to allow the City to collect solid waste, recycling, compost and hazardous waste.

NOW, THEREFORE, BE IT RESOLVED, that the City Commission of the City of Plymouth does hereby adopted the Wayne County Solid Waste Plan in accordance with Act 451, Part 115 of the State of Michigan. Further, that a copy of this resolution shall be submitted to the County for their submission to the State with a copy of the approved plan.

Motion was made by Commissioner Phil Pursell and seconded by Commissioner Stella Greene for approval of the resolution. Motion was carried unanimously.

AYES: Mayor William Graham, Commissioners Michele Potter, Dan Dwyer, Ron Loiselle, Phil Pursell, Stella Greene

NAYS: None

ABSENT: Mayor Pro-tem Colleen Pobur

I, Linda Langmesser, City Clerk of the City of Plymouth, Michigan, do hereby certify the foregoing to be a true and correct copy of a resolution that was adopted by the Plymouth City Commissioners on Tuesday, February 19, 2002.

Linda J. Langmesser, CMC
Clerk, City of Plymouth

City of River Rouge

MICHIGAN

10600 WEST JEFFERSON AVENUE
RIVER ROUGE, MICHIGAN 48218-1242

CHARLES E. MANLEY
CITY CLERK

MARTHA ONUFRAK
DEPUTY CLERK

Regular meeting of the City Council, of the City of River Rouge, held in the council chambers, in said City Hall, on Tuesday, December 18, 2001 at 8:00 p.m.

Mayor Joseph in the Chair.

The Following Commissioners were present:
Bowdler, Burke, Harrington, Laginess, Lozon, Moulton.
Excused: None.
Absent: None.

* * * * *

01-360
Moved by Commissioner Harrington, supported by Commissioner Bowdler, CARRIED, the Wayne County Solid Waste Management Plan be adopted subject to a review of the payments to Waste Management of Michigan, because of the reduced collections based on reduced households.
Yeas: Bowdler, Burke, Harrington, Laginess, Lozon, Moulton, Joseph.
Nays: None.

* * * * *

CERTIFICATION

This is to certify that the foregoing constitutes a full, true and complete copy of resolutions duly adopted by the Mayor and Council, of the City of River Rouge at a regular meeting held on Tuesday, December 18, 2001.

Charles E. Manley

Charles E. Manley, City Clerk
City of River Rouge

Dated: December 19, 2001

CITY OF RIVER ROUGE

10600 W. JEFFERSON AVE.
RIVER ROUGE, MI 48218

CHARLES E. MANLEY
CITY CLERK

MARTHA ONUFRAK
DEPUTY CLERK

TO: MAYOR JOSEPH

DATE: December 19, 2001

FROM: CHARLES E. MANLEY, CITY CLERK

RE: CITY COUNCIL MEETING, DECEMBER 18, 2001

THE FOLLOWING RESOLUTION WAS ADOPTED.

01-360
Moved by Commissioner Harrington, supported by Commissioner Bowdler, CARRIED, the Wayne County Solid Waste Management Plan be adopted subject to a review of the payments to Waste Management of Michigan, because of the reduced collections based on reduced households.
Yeas: Bowdler, Burke, Harrington, Laginess, Lozon, Moulton, Joseph.
Nays: None.

01-037

City of Northville

215 W. Main Street • Northville, Michigan 48167-1540
Phone: (248) 349-1300 • FAX: (248) 349-9244

RECEIVED
DEC 20 2001
DEPARTMENT OF ENVIRONMENT

~ RESOLUTION ~

A Resolution Endorsing the Wayne County Solid Waste Management Plan

Whereas, The City of Northville must be covered by a county solid waste management plan; and

Whereas, The City of Northville is located in both Oakland and Wayne Counties, and has in the past elected to be covered under Wayne County's solid waste regulations; and

Whereas, Wayne County has adopted an updated solid waste management plan which needs endorsement from 2/3 of the communities within the County for validation with the Michigan Department of Environmental Quality (MDEQ); and

Whereas, the Northville City Council has reviewed and discussed the updated Wayne County solid waste management plan.

Now Therefore Be It Resolved, that the City Council of the City of Northville hereby supports and endorses the Wayne County Solid Waste Management Plan 2000 Update.

Moved By: Ayers **Supported By:** Mittman

Yeas: Ayers, Johnson, Hartshorne, Mittman, Swigart

Nays: None

Absent: None

RESOLUTION DECLARED ADOPTED ON THIS 17th DAY OF December, 2001

Christopher J. Johnson, Mayor

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Northville, Michigan, at a Regular meeting held on December 17, 2001, and that said meeting was conducted and public notices of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Dianne Massa, City Clerk

Resolution 2001-30

Charter Township of Van Buren
County of Wayne, Michigan
Approval of the Wayne County Solid Waste Management Plan 2000 Update

Motion By: Budd Support By: Herman

WHEREAS, Van Buren Township is located within Wayne County and,

WHEREAS, Van Buren Township supported the previous Solid Waste Management Plans and this Plan has maintained the basic waste handling system that has functioned successfully for the last 15 years and,

WHEREAS, The updated Solid Waste Management Plan has been developed as required by Act 451 of 1994 Part 115 administered by the Michigan Department of Environmental Quality and,

WHEREAS, Van Buren Township played an active role in the Wayne County Solid Waste Implementation/Planning Committee and,

WHEREAS, Van Buren Township currently has a Host Community Agreement with Woodland Meadows and supports the local control provided by Wayne County's Host Community Approval siting procedure included in the updated plan and,

WHEREAS, Van Buren Township has begun an education campaign to promote residential and commercial reduce, reuse, recycle, and composting programs and will benefit from County assistance and,

WHEREAS, Van Buren Township supports the proactive goal of reducing the amount of solid waste generated that must be landfilled and,

WHEREAS, Van Buren Township's solid waste facilities are currently monitored and regulated by the Wayne County Solid Waste Ordinance and will benefit from the updated Ordinance.

NOW, THEREFORE, be it resolved that by acceptance of this resolution, Van Buren Township approves the updates to the Wayne County Solid Waste Management Plan and supports its implementation.

YEAS: King, Payne, Budd, Hart, Herman and Jahr.

NAYS: None.

ABSENT: Rochowiak.

I hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Board of Trustees of the Charter Township of Van Buren, County of Wayne, State of Michigan, at a meeting held on November 20, 2001 and that the said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meeting Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Joannie D. Payne

Joannie D. Payne – CMC
Township Clerk

11.26.01
Date

CHARTER TOWNSHIP OF PLYMOUTH

42350 ANN ARBOR ROAD • PLYMOUTH, MICHIGAN 48170-4394
www.plymouthtwp.org

SUPERVISOR

Steven D. Mann
734) 354-3201

CLERK

Marilyn A. Massengill
734) 354-3224

TREASURER

Ron Edwards
734) 354-3214

TRUSTEES

Kay Arnold
Charles Curm
Ro[illegible]ffith
Abe Munfakh

BUILDING

Charles McIlhargey
Building Official
734) 354-3208

FIRE DEPT.

Chief Larry Groth
734) 354-3221

POLICE DEPT.

Chief Larry Carey
734) 455-3869

U[illegible] SERVICES

James Anulewicz
Director
734) 455-8151

October 25, 2001

RECEIVED
NOV 02 2001
DEPARTMENT OF ENVIRONMENT

James E. Murray, Director
Land Resource Management Division
3600 Commerce Court
Wayne, MI 48184

Dear Mr. Murray:

Upon a motion by Trustee Abe Munfakh, seconded by Trustee Ron Griffith and unanimously carried, it was resolved to approve support of the 2000 Update to the Wayne County Solid Waste Management Plan.

I, Marilyn Massengill, Township Clerk for the Charter Township of Plymouth, do hereby certify that the foregoing is a true copy of a resolution adopted by the Supervisor and Board of Trustees of the Charter Township of Plymouth at the regular meeting held on October 23, 2001.

Marilyn Massengill

Marilyn Massengill, Township Clerk

cc: James Anulewicz, Director of Public Services
Susan Vignoe, Solid Waste Coordinator

31 OCT 01 12:

City of Gibraltar

RECEIVED
NOV 02 2001
DEPARTMENT OF ENVIRONMENT

October 24, 2001

James E. Murray, Director
Land Resource Management Division
3600 Commerce Court
Wayne, MI. 48184

Dear Mr. Murray:

At the regular meeting of the City Council of October 8, 2001, in the City of Gibraltar, the following motion was made:

Motion by LaPointe and seconded by Riser to approve the 2000 Update to the Wayne County Solid Waste Management Plan as required by Public Act 451 of 1994 Part 115.

Ayes: Riser, Saunders, Carroll, Kuhn and LaPointe
Nays: Law and Connolly

Motion carried.

I, Cynthia Ward, certify that the forgoing is a true copy of the resolution passed by City Council of the City of Gibraltar at a Regular meeting held in the Council Chambers in said City on the 8th day of October 2001.

Cynthia Ward

Cynthia Ward, City Clerk

29450 Munro Avenue, Gibraltar, Michigan 48173 • T. 734.676.3900 • Fax 734.676.7509

KAREN M. MAZO, Mayor
DARREL F. PENIX, Mayor Pro-tem
SHARON BONO-BEATON, Council Member
JOSEPH CACCIAGLIA II, Council Member
KATHLEEN M. COOLEY, Council Member
KEN JOHNSON, Council Member
PATRICIA A. ODETTE, Council Member

WOODHAVEN MICHIGAN

CITY OF WOODHAVEN
21869 West Road
Woodhaven, Michigan 48183
Phone: (734) 675-4900
Fax: (734) 675-4927

February 07, 2002

James E. Murray, Director
Wayne County Dept. of Environment
415 Clifford
Detroit, MI 48226

02-032 Moved by Mayor Mazo, seconded by Council Member Cacciaglia, to approve the Wayne County Solid Waste Management Plan 2000 Update. MOTION PASSED.

I, Sheryl L. McGlynn, City Clerk for the City of Woodhaven, do hereby certify that the foregoing is a true and correct copy of a motion adopted by the Mayor and Council of the City of Woodhaven, at the regular City Council meeting held on February 5, 2002.

Sheryl L. McGlynn

Sheryl L. McGlynn, City Clerk

C: Mr. Michael Kruse, Director of Engineering and Public Service

SUZANNE K. HALL
Mayor

CECILIA S. DALLY
City Clerk

JAMES H. GRAY
Treasurer

City of Southgate

14400 DIX-TOLEDO ROAD
SOUTHGATE, MICHIGAN 48195
734-258-3010 • FAX: 734-246-1414

-City Council-
BARBARA A. FARRAH
President
SHIRLEY UNDERWOOD
JOHN GRAZIANI
STANLEY KOVALESKI
PATRICIA C. GANZBERGER
REFUGIO TORRES
DALE W. ZAMECKI

February 1, 2002

Mr. James E. Murray, Director
Wayne Co. Dept. of Environment
415 Clifford
Detroit, MI 48226

RE: Wayne County Solid Waste Management Plan

Dear Mr. Murray:

Enclosed please find a copy of a certified resolution passed by the Southgate City Council at a regular meeting held on January 30, 2002.

This resolution approves the Wayne County Solid Waste Management Plan Update.

If you have any questions, please contact us.

Sincerely,

Cecilia S. Dally

Cecilia S. Dally
City Clerk

CSD/cd

enclosure

FEB 1 4 2002

cc: Wayne County Department of Environment
Land Resource Management Division
Watershed Management Division
3600 Commerce Court, Building E
Wayne, Michigan 48184
Att: Mary Vanguson

City of Southgate
County of Wayne, State of Michigan

No. 20-02

RESOLUTION

At a regular meeting of the Southgate City Council called to order by President Farrah on January 30, 2002 at 8:00 P.M. the following resolution was offered:

Moved Refugio Torres Supported John Graziani

WHEREAS, Wayne County has adopted an updated Solid Waste Management Plan which needs enforcement from two-thirds of the communities within the County for validation with the Michigan Department of Environmental Quality (MDEQ); and,

WHEREAS, the City of Southgate has reviewed and discussed the updated Wayne County Solid Waste Management Plan.

NOW, THEREFORE, BE IT RESOLVED, that the Council of the City of Southgate hereby approves the Wayne County Solid Waste Management Plan 2000 Update dated April 25, 2001, as required by Act 451 of 1994 Part 115.

Yeas: 6 Absent: 1

Nays: 0 Motion: Carried unanimously

I, CECILIA S. DALLY, Clerk of the City of Southgate do hereby certify that the foregoing is a true, correct and complete copy of a resolution passed by the Southgate City Council at a regular meeting held January 30, 2002.

Cecilia S. Dally
Southgate City Clerk

cc: Exec, Atty, Wayne County, Fin, DPS, files

City of Dearborn

By Hubbard supported by Sareini.

2-106-02 RESOLVED: That this City Council hereby confirms the Mayor's appointment of Nancy Siwik, to the City Plan Commission for a term ending June 30, 2004; be it further

RESOLVED: That this resolution be given immediate effect.

The resolution unanimously adopted.

By Polidori supported by Hubbard.

2-107-02. WHEREAS: The State of Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, requires that each County have a Solid Waste Management Plan Update approved by the Michigan Department of Environmental Quality (MDEQ). This Update has been approved by the Wayne County Commission and now requires approval of at least two-thirds of the 43 municipalities in Wayne County for the MDEQ to consider final approval, and

WHEREAS: The Department of Public Works has reviewed the County's Update and recommends approval. Most notably, the Update strengthens the authority of local authorities related to approval of waste disposal facilities within their jurisdiction. In addition, the updated Plan correctly indicates that there is approximately 20 years of landfill capacity remaining with existing facilities in Wayne County; be it

RESOLVED: That City Council does hereby approve the year 2000 Update to the Wayne County Solid Waste Management Plan; be it further

RESOLVED: That this resolution be given immediate effect.

The resolution unanimously adopted.

CITY OF BELLEVILLE
RESOLUTION NO. 02-016

NOW THEREFORE, BE IT RESOLVED that the City Council for the City of Belleville hereby adopts the 2000 update to the Wayne County Solid Waste Management Plan as required by Public Act 451 of 1994 Part 115.

Motion: ATKINS Second: EMERSON

AYES: 5 NAYS: 0 ABSENT: 0 VOTE: 5-0

Atkins
Conley
Creamean
Emerson
Fielder

FEB 07 2002

DIANA J. KOLLMEYER
City Clerk

THOMAS A. FIELDER
Mayor

Agenda Date: February 4, 2002

City of Belleville

6 Main Street • Belleville, Michigan 48111

(734) 697-9323
(734) 697-6837 Fax

I, Diana J, Kollmeyer, City Clerk for the City of Belleville do hereby certify that the foregoing document is a true and accurate copy of Resolution No. 02-016, adoption of the Wayne County Solid Waste Management Plan as passed by the Belleville City Council at a regular meeting on the 4th day of February, 2002.

Diana J. Kollmeyer, City Clerk

CITY OF MELVINDALE

3100 Oakwood Blvd. • Melvindale, Michigan 48122
Phone: (313) 429-1040 • Fax: (313) 383-3993

JAN 25 2002

Meeting of the Common Council, on Wednesday, January 16, 2002, at 7:30 p.m.

Presiding: Mayor Kinard
Present Council Members: Green, Marshall, Luzod, Suiter, Ansley, Davis

Wayne County Solid Waste Management Plan 2000 Update

02-01-026 Moved by Green and supported by Marshall, to concur with the recommendation from the Commissioner of Public Works, to approve the Wayne County Solid Waste Management Plan 2000 Update, as presented; and said approval be forwarded to the Land Reserve Management Division, 3600 Commerce Court, Wayne, Michigan, 48134.

AYES: Green, Marshall, Luzod, Davis
NAYS: Suiter, Ansley
ABSENT: None
Resolution Adopted.

I, Valerie A. Cadez, City Clerk of the City of Melvindale, Wayne County, Michigan, do hereby certify that the foregoing is a true copy of a resolution adopted by Council of the City of Melvindale.

Valerie A. Cadez
Valerie A. Cadez, City Clerk

Dated: January 24, 2002

JAN 29 2002

VILLAGE OF
GROSSE POINTE
SHORES

Michael Kenyon
Village Superintendent

795 Lake Shore Road
Grosse Pointe Shores, MI 48236
313 881-6565 Ph
313 881-2622 Fax
website: grossepointeshores.org

December 19, 2001

Mr. James E. Murray, Director
Wayne County Dept. of Environment
415 Clifford
Detroit, Michigan 48226

RE: ***Wayne County Solid Waste Management Plan***

Dear Mr. Murray:

Let me first apologize for the long delay in responding to your letter of August 24, 2001 regarding Wayne County's Solid Waste Management Plan. As was requested, the Council of the Village of Grosse Pointe Shores met yesterday and unanimously approved the Plan.

Please feel free to call me should you have any questions.

Sincerely,

Michael Kenyon

Michael Kenyon
Village Manager

MK:ak

DANIEL GARY GUZZI
Mayor

PATRICIA A. ROXBERRY
City Clerk

JAMES B. HERZOG
Treasurer

RACHEL P. LAMBERT
Administrator

City of Rockwood

COUNCIL

JOHN SWEARENGIN
Mayor Pro-Tem

JOHN F. WASNER
KENNETH BROWNE
JAMES P. BAZNER
SCOTT P. ROGERS
MONIKA MYERS

Resolution to Adopt the Wayne County Solid Waste Management Plan Update

Resolved by the City Council that the communication from Robert Ratz, Director Land Resources Management Division is hereby received and placed on file.

AND BE IT FURTHER RESOLVED that the City of Rockwood approves the Wayne County Solid Waste Management Plan 2000 Update dated April 25, 2001, as required by Public Act 451 of 1994 Part 115.

AYE: 6
NAYE: 0

Motion carried unanimously

RESOLUTION DECLARED ADOPTED

I, Patricia A. Roxberry, City Clerk for the City of Rockwood, do hereby certify that the foregoing is a true and exact copy of a resolution adopted by the Mayor and Council of the City of Rockwood, at the regular meeting held on January 16, 2002.

Patricia A. Roxberry
City Clerk

JAN 2 3 2002

32409 FORT STREET • ROCKWOOD, MICHIGAN 48173 • TELEPHONE (734) 379-9496 • FAX (734) 379-9270

City of Harper Woods
19617 Harper Avenue
Harper Woods, Michigan 48225-2095
313.343.2500 Fax 313.343.2507

City Manager
James E. Leidlein
City Clerk
Mickey D. Todd

Mayor
Kenneth A. Poynter
Mayor Pro Tem
John Szymanski

Council:
Vivian M. Sawicki
Michael P. Monaghan
Cheryl A. Costantino
Hugh Marshall
Daniel S. Palmer

CITY OF HARPER WOODS
CITY COUNCIL
DECEMBER 17, 2001

CERTIFIED RESOLUTION

CM 12-191-01 WAYNE COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE

RESOLUTION by Palmer, SUPPORTED by Costantino:
BE IT RESOLVED that the City of Harper Woods does hereby approve the Wayne County Solid Waste Management Plan - 2000 Update prepared in accordance with Public Act 451 of 1994.

ROLL CALL VOTE
YES: Monaghan, Palmer, Sawicki, Szymanski, Poynter, Costantino and Marshall.
NO: None.

RESOLUTION ADOPTED UNANIMOUSLY

CERTIFICATION

I, Mickey D. Todd, City Clerk of the City of Harper Woods, Wayne County, State of Michigan, do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the City of Harper Woods City Council at their regular meeting on Monday, December 17, 2001.

Mickey D. Todd, City Clerk
City of Harper Woods, Michigan

GROSSE ILE TOWNSHIP BOARD OF TRUSTEES

RESOLUTION

The Grosse Ile Township Board of Trustees took the following action at their regular meeting on October 22, 2001:

WHEREAS, Wayne County has adopted an updated Solid Waste Management plan which needs enforcement from two-thirds of the communities within the County for validation with the MDEQ; and,

WHEREAS, the Grosse Ile Board of Trustees has reviewed and discussed the updated Wayne County Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED that the Grosse Ile Township Board of Trustees approves the updated 2000 Wayne County Solid Waste Management Plan.

CERTIFICATION

I hereby certify that the above action was taken at the regular meeting of the Grosse Ile Township Board on October 22, 2001.

Ute O'Connor
Township Clerk

JAN 09 2002

RESOLUTION 12.1130-01

CITY OF TAYLOR

WAYNE COUNTY SOLID WASTE MANAGEMENT PLAN 2000 UPDATE

At the regular meeting of the Taylor City Council held on December 4, 2001, the following resolution was adopted.

Motion by Kemp Supported by Molner

Resolved: To approve final draft of the 2000 Wayne County Solid Waste Management Plan Update.

Ayes: Council members Geiss, Molner, Kemp, McDermott, Bzura, Rilley
Nays: None
Absent: Council member Ettore

Unanimously adopted.

I, Dorothy R. West, Clerk of the City of Taylor, hereby certify that the foregoing is a true copy of a resolution as adopted by the Council of Taylor at a meeting thereof held in the Council Chambers at the Taylor Municipal Building, located at 23555 Goddard Road, Taylor, Michigan on the 4th day of December, 2001.

Dorothy R. West

Dorothy R. West, City Clerk
City of Taylor

RECEIVED
FEB 22 2002
DEPARTMENT OF ENVIRONMENT

City of Lincoln Park

CITY CLERK
1355 SOUTHFIELD ROAD
LINCOLN PARK, MICHIGAN 48146
(313) 386-1800
EXT. 288

DONNA BREEDING, CMC
CITY CLERK

JANICE S. HOCHBERG
DEPUTY CLERK

JAN 07 2002

January 4, 2002

Land Resource Management Div.
Attn: James E. Murray
3600 Commerce Court
Wayne, MI 48184

Dear Mr. Murray,

On January 2, 2002, the Mayor and Council for the City of Lincoln Park passed the enclosed resolution approving the year 2000 update to the Wayne County Solid Waste Management Plan.

If you have any questions, please do not hesitate to contact my office at (313) 386-1800 Ext. 248.

Sincerely,

Donna Breeding

Donna Breeding, CMC
City Clerk

CITY OF LINCOLN PARK, MICHIGAN
CERTIFIED COPY OF RESOLUTION #02-04

REGULAR MEETING OF THE MAYOR AND COUNCIL OF THE CITY OF LINCOLN PARK, WAYNE COUNTY, MICHIGAN, HELD IN THE COUNCIL CHAMBERS OF THE MUNICIPAL BUILDING.

UNDER THE DATE OF: January 2, 2002

MOVED BY Council President Schermesser SUPPORTED BY Councilman Mandernach

RESOLVED, that the City of Lincoln Park approves the year **2000 Update to the Wayne County Solid Waste Management Plan** pursuant to Public Act 451 of 1994.
Motion unanimously carried.
ABSENT: Jeanne Hancock

I, DONNA BREEDING, duly authorized City Clerk of the City of Lincoln Park, do hereby certify that the above is a true copy of a Resolution adopted by the City Council at a Regular Meeting held under the date of: January 2, 2002.

Donna Breeding

Donna Breeding, CMC
City Clerk

City of Grosse Pointe Farms

Joseph T. Leonard
Director of Public Service
Chief Enforcement Officer

DEPARTMENT of PUBLIC SERVICES
90 KERBY ROAD
GROSSE POINTE FARMS, MICHIGAN 48236-3161
phone (313) 885-6600 fax (313) 885-0917

Terrance R. Brennan
Ass't Director of Public Service
Building Official

October 1, 2001

Mr. James E. Murray, Director
Wayne County Department of Environment
Land Resource Management Division
3600 Commerce Court
Wayne, MI 48184

RE: Wayne County Solid Waste Management Plan 2000 Update

Dear Mr. Murray:

The City Council of the City of Grosse Pointe Farms at the regularly scheduled meeting of Monday, September 10, 2001 reviewed and approved the above referenced plan.

Enclosed is a certified true copy of the meeting minutes for your files.

Very truly yours,

Joseph T. Leonard
Director of Public Service

OCT 09 2001

MINUTES
REGULAR MEETING
SEPTEMBER 10, 2001

The Regular Meeting of the City Council of the City of Grosse Pointe Farms was held in City Hall on Monday, September 10, 2001 at 7:30 p.m.

Present on Roll Call: Mayor Edward J. Gaffney, Councilmembers Ronald V. Kneiser, Martin F. West, Elizabeth M. Gandelot, Frances L. Schonenberg, John E. Danaher and John M. Crowley.

Those Absent Were: None.

Also Present: Messrs. William T. Burgess, City Attorney; Richard G. Solak, City Manager; Shane L. Reeside, City Clerk; Joseph T. Leonard, Director of Public Service; Robert K. Ferber, Director of Public Safety.

Mayor Edward J. Gaffney presided at the Meeting.

01-200 MINUTES

The Minutes of the Regular Meeting, which was held on August 13, 2001, were approved as corrected.

The Minutes of the Closed Session, which was held on August 13, 2001, were approved as submitted.

01-201 PUBLIC HEARING – ZONING BOARD OF APPEALS
MR. MICHAEL PATTYN – 413 BARCLAY
MR. KENNETH J. BORG – 47 BEAUPRE
MR. JOHN BAUMANN – 180 LAKEVIEW
MR. & MRS. BRUCE PELTO – 75 MUIR

It was moved by Councilwoman Gandelot and supported by Councilman West that the Council temporarily adjourn and convene as a Zoning Board of Appeals.

Unanimously Adopted

01-202 RECONVENE AS A COUNCIL

The Board having no further business before them adopted a resolution to adjourn the Public Hearing, and therefore, it was moved by Councilwoman Gandelot and supported by Councilman Danaher that members of the Board reconvene as a Council.

Unanimously Adopted

01-203 REQUEST FOR TRANSFER OF OWNERS – LUCY'S RESTAURANT

Communications Received:
1-Memorandum from Director of Public Safety, dated August 31, 2001.

Persons Addressing the Council:
1-Mr. Edward A. Firestine, 23143 Detour, St. Clair Shores, President, Ranhead, Inc.

It was moved by Councilman Kneiser and supported by Councilwoman Gandelot that the Council hereby approve the transfer of ownership of the 2001 Class C-SDM licensed business with entertainment permit, official permit (food), and outdoor service (1 area, located at 115 Kercheval, Grosse Pointe Farms, Michigan 48236, Wayne County, from Lucy's Inc. to Ranhead, Inc.; and further, authorizing the City Clerk to execute the Resolution to the State of Michigan, Department of Consumer & Industry Services, Liquor Control Commission.

Unanimously Adopted

01-204 **2000 UPDATE TO THE WAYNE COUNTY SOLID WASTE MANAGEMENT PLAN**

Communications Received:
1-Memorandum from Director of Public Service, dated September 5, 2001.

It was moved by Councilwoman Schonenberg and supported by Councilman Danaher that the Council hereby approve the 2000 Update to the Wayne County Solid Waste Management Plan, as submitted in the Director of Public Service memorandum dated September 5, 2001.

Unanimously Adopted

01-205 **CLOSED SESSION**

It was moved by Councilwoman Gandelot and supported by Councilman West that immediately following adjournment of the Regular Meeting, a Closed Session shall be held for the purpose of discussing certain real estate matters.

Unanimously Adopted

ADJOURNMENT

Upon proper motion made, supported and carried, the Meeting adjourned at 8:45 p.m.

EDWARD J. GAFFNEY MAYOR	SHANE L. REESIDE CITY CLERK

Minutes Prepared: September 20, 2001

CERTIFIED TRUE COPY
MINUTES
REGULAR MEETING OF 09/10/2001

RESOLUTION NO. 01-204

SIGNED: Pamela J. Baker
PAMELA J. BAKER
DEPUTY CITY CLERK

DATED: September 27, 2001

Wayne County Solid Waste Management Plan 2000 Update

April 25, 2001

Edward H. McNamara
County Executive

PLAN UPDATE COVER PAGE

The Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, requires that each County have a Solid Waste Management Plan Update (Plan) approved by the Michigan Department of Environmental Quality (DEQ). Section 11539a requires the DEQ to prepare and make available, a standardized format for the preparation of these Plan updates. This document has been written and put together in that format.

DATE SUBMITTED TO DEQ: February 27, 2002

This Plan Update covers all Act 451, Part 115 solid wastes which are generated within Wayne County as well as the solid waste generated within the entire city of Northville. Northville is located within both Wayne and Oakland Counties but has elected to be included in the Wayne County Plan as allowed under section 11536 of Part 115 of the NREPA. Resolutions from both involved County Boards of Commissioners approving the inclusion are included in Appendix N.

Municipality	Original Planning County	New Planning County
Northville	Oakland and Wayne	Wayne

DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:
Office of the Wayne County Executive through the Department of Environment

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Department of Environment

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Land Resource Management Division
3600 Commerce Court, Bldg. E
Wayne, MI 48184
(734) 326-3936

WAYNE COUNTY
SOLID WASTE MANAGEMENT PLAN
UPDATE

The Wayne County Solid Waste Management Plan was developed and is consistent with the requirements of Michigan's Natural Resources and Environmental Protection Act, P.A. 451, Part 115 and with the MDEQ's required Plan Format. The Plan was developed by the Wayne County Solid Waste Implementation Committee, which was appointed by:

WAYNE COUNTY EXECUTIVE
Edward H. McNamara

With the approval of the:

WAYNE COUNTY BOARD OF COMMISSIONERS
Ricardo A. Solomon, Chair (7th)

Christopher Cavanagh (1st)
Bernard J. Parker (2nd)
Robert B. Blackwell (3rd)
Jewel C. Ware (4th)
Ilona Varga (5th)
George Cushingberry (6th)
Willie Hall (8th)
Philip Cavanagh (9th)
Lyn Bankes (10th)
John Sullivan (11th)
Kay Beard (12th)
Susan L Hubbard (13th)
Joseph Palamara (14th)
Edward A. Boike (15th)

The Wayne County SOLID WASTE IMPLEMENTATION COMMITTEE members are:

Edward A. Boike	County Government
Michael Brinker, Chair	City Government
Ron Caramagno	Solid Waste Management Industry
Helen Foster, Vice-Chair	Environmental Interest Group
John Hamilton	General Public
Christopher Jackson	General Public
Kevin Kelley	Township Government
Laurie Kendall	Solid Waste Management Industry
James Logsdon	Solid Waste Management Industry
William Matakas	General Public
Trenessa Mitchell	Solid Waste Management Industry
Frances Schonenberg	Environmental Interest Group
Ted Starbuck	Regional Solid Waste Planning
Donald Windeler	Industrial Waste Generator

The Committee is staffed by the Wayne County Department of Environment (D.O.E.), the designated planning agency for Wayne County:

James E. Murray, Director
Vyto Kaunelis, Chief Deputy Director
Josephine Powell, Deputy Director

With the assistance of the D.O.E.'s Land Resource Management Division:

Robert N. Ratz, Director
Michael F. Droze, Deputy Director
Mary F. Vangieson, Resource Recovery Coordinator
Cindra M. James, Resource Recovery Specialist

And of Wayne County Corporation Counsel staff: Hilda Gurley-Highgate

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GLOSSARY OF TERMS

I

Executive Summary

County Overview

Wayne County is the most populated county in Michigan with over two million residents and a commercial and industrial population of almost one million. It is easy to see how Wayne County generates over ten million cubic yards of waste per year. This volume of waste could pose a major problem for most counties to handle without significant exporting. However, Wayne County has been able to handle its waste internally operating under its Solid Waste Management Plan. Wayne County's siting process, which provides significant local community control through a Host Community Agreement, has been very successful in siting disposal facilities. In fact, Wayne County's process has been the most successful siting process in Michigan. As a result, Wayne County currently has capacity to handle all of its solid waste for more than twenty years based on existing waste flows and facility capacities.

With the disposal capacity currently available in Wayne County, some may question the need to emphasize recycling and suggest we continue to utilize landfills without concern for airspace. In reality, landfill capacity should be a concern particularly when you look at the amount of land available in Wayne County for future development. According to SEMCOG, of the over 390,000 acres of land in Wayne County, 138,000 acres were undeveloped in 1995. Some of the undeveloped land contains wetlands or other physical restrictions. This constitutes approximately 35% of the total area of the County. An estimated 20,000 acres have been developed within the last 5 years in Wayne County. If this trend continues there will be very little undeveloped land suitable for landfill development when the current airspace is consumed. Therefore, waste reduction, recycling, and incineration must remain a high priority throughout Wayne County.

Thirty-four (34) of Wayne County's forty-three (43) communities participate in curbside collection programs for recyclables and forty-one (41) communities participate in yard waste collection programs. This participation is a result of the original Solid Waste Management Plan's directive that communities recycle, incinerate, or become the host to a landfill. Wayne County understands that even with current excess disposal capacity, conditions may change and therefore recycling must remain a major component of the waste hierarchy in the County. With the active recycling and yard waste collection programs currently in place, the communities of the County are diverting over fifteen percent (15%) of the municipal solid waste stream from landfills. When including the municipal waste that is incinerated in Wayne County, the diversion rates exceed fifty-seven percent (57%).

Selected Alternative

The selected system for handling Wayne County's waste is an existing system that has been functioning successfully for over 15 years. This system incorporates all aspects of waste handling from waste reduction, recycling, composting and incineration, to landfilling and is managed by both public and private enterprises.

The existing network of disposal facilities within Wayne County consists of two (2) waste to energy incinerators, four (4) municipal waste landfills, six (6) industrial waste landfills, and six (6) operating waste processing facilities. The hauling is being handled successfully through

private and municipal contractors, with a network of thirteen (13) operating Type A transfer stations and fourteen (14) operating Type B transfer stations.

Recycling is an important part of waste management practices within Wayne County. Continued curbside recycling along with increased recycling education will be the key components that will help us achieve our recycling goal of twenty-five percent (25%) of the total waste stream collected.

Yard waste collection is currently diverting nine percent (9%) of the municipal waste stream from landfills; however, most of this material is not being handled in Wayne County. As such, Wayne County will promote grass-cycling and backyard (small scale) composting in an effort to reduce our dependency on neighboring community composting facilities.

Incineration will continue to play a large role in waste reduction efforts within the County. The two existing Waste-to-Energy incinerators handle approximately forty percent (40%) of the residential waste stream. The volume reduction provided by these facilities, which averages around ninety percent (90%), greatly reduces our dependency on landfills while generating over 68 megawatts of energy annually. The use of these facilities reduces landfill airspace consumption by over twenty percent (20%) per year.

Landfilling is still an important part of the waste management hierarchy, as identified in the "Selected Management System". Since the last approved SWMP in 1990, Wayne County has sited four (4) new or expanded municipal solid waste landfills with our Host Community approval process. This process has successfully sited enough capacity to handle all of Wayne County's solid waste disposal needs until the year 2020. This life expectancy is based on current generation and recycling rates; but with improved performance in recycling, life expectancy may actually increase.

Conclusion

Wayne County, with the assistance of the Solid Waste Implementation Committee (SWIC), has determined that the existing solid waste management system will handle Wayne County's solid waste disposal needs well beyond this plan update period. That is not to say it can't be improved, and so with this update, the SWIC has fine-tuned the system in an effort to better meet our goals.

As a result, Wayne County will provide more attention to municipal waste composting education, while promoting industrial and commercial reduce, reuse, recycle programs. Wayne County will continue working with the solid waste landfills within the County to support efforts to maximize use of available airspace, thereby prolonging the existing life. They will also be working to achieve the goals by fostering partnerships with local communities to gather strong commitment and support from the people most affected.

The final piece of the updated SWMP is the Wayne County Solid Waste Ordinance (Ordinance). The Ordinance has been beneficial in providing the reports necessary to monitor the performance of the County with regard to its goals. In addition, it has provided the necessary tools to assure Wayne County has oversight of the solid waste facilities within its jurisdiction. As part of this

SWMP update, the Ordinance has been rewritten to reflect recent changes in State solid waste regulations and has been streamlined to eliminate duplication.

WAYNE COUNTY SOLID WASTE PLANNING GOALS

1. **REDUCE THE AMOUNT OF SOLID WASTE GENERATED THAT MUST BE LANDFILLED.**

   - Encourage curbside recycling with target recycling goal of 25% of total waste stream collected, to reduce dependency on landfills.
   - Encourage yard waste composting and grass cycling with goal of diverting 15% of the total waste stream collected.
   - Encourage the continued use of existing waste to energy incinerators as a method of waste volume reduction and energy reuse.
   - Promote industrial and commercial reduce, reuse, and recycle programs.

2. **OPTIMIZE THE USE AND LIFE OF EXISTING SOLID WASTE DISPOSAL AREAS.**

   - Encourage and support maximum utilization of available airspace at landfills through the use of Alternate Daily Cover.
   - Encourage and support operational changes at landfills that promote improved compaction rates.

3. **ENSURE LOCAL AND PUBLIC PARTICIPATION IN THE DEVELOPMENT AND IMPLEMENTATION OF THE SOLID WASTE MANAGEMENT PLAN.**

   - Form partnerships with local communities through outreach and education on recycling; waste minimization and landfilling to more effectively advance the goals of the Solid Waste Management Plan at the local level.
   - Recognize the importance of local community involvement with the success of waste minimization and recycling efforts, and actively seek local community input regarding Best Management Practices.
   - Assist local communities in compiling accurate data for evaluating the effectiveness of their reduce, reuse, recycle programs.

4. **SUSTAIN AND ENHANCE COMPLIANCE AND ENFORCEMENT PROGRAMS.**

   - Continue enforcement and updating of the Wayne County Solid Waste Ordinance.
   - Enhance and maintain the level of service provided by Wayne County Department of Environment Land Resource Management Division's Solid Waste Program.

II

SOLID WASTE GENERATION and DISPOSAL DATA BASE

Overview

This section reports a five-year history of solid waste generation rate for each Wayne County community, and also reports the source, type and quantity of solid waste disposed at Wayne County landfill facilities. Included in this section is an inventory of authorized solid waste disposal areas located in Wayne County.

Summary

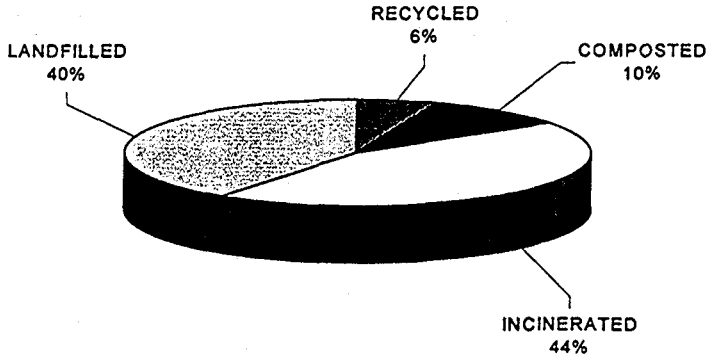
The following tables and charts summarize the information provided in the database section of this plan. This summary includes the break down of how the residential waste generated within the County has been disposed of. It also includes the makeup of the waste disposed of in the landfills within Wayne County by waste category and by geographic region in which the waste was generated.

The 5-year residential waste disposal profile (*reported in tons*) for Wayne County is:

	TOTAL	RECYCLED	COMPOSTED	INCINERATED	LANDFILLED
1995	1,093,593	37,649	109,939	562,378	419,442
1996	1,156,416	71,514	105,394	582,931	431,681
1997	1,284,342	75,903	129,733	569,458	564,116
1998	1,257,459	75,575	144,584	515,063	561,152
1999	1,295,048	82,723	114,376	545,396	546,657
Total	**6,086,858**	**343,364**	**604,026**	**2,775,226**	**2,523,048**
Average	**1,217,000**	**69,000**	**121,000**	**555,000**	**505,000**

Wayne County's population is 2,107,016 based on 1999 community reports. The typical Wayne County resident generates approximately 3.2 pounds of waste per day based on waste generation reports prepared by each community. These community reports are the basis for the waste disposal quantities reported above. TABLE 1 through TABLE 5 on pages 13-17 shows the percentage of residential waste diverted from landfill disposal for the years 1995 - 1999. Wayne County diversion techniques include recycling, composting and incineration (with energy recovery). Over the past 5 years approximately 60% of Wayne County's residential waste has been diverted from direct landfilling. Wayne County and its communities have successfully decreased the dependency on landfills as a primary solid waste management technique.

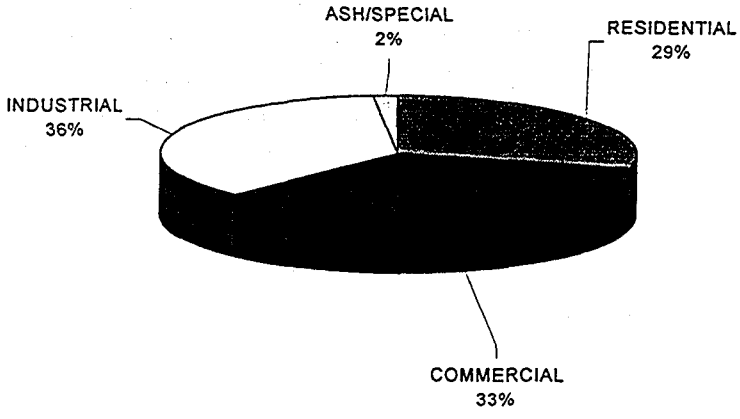
Residential Waste Disposal Profile
5 Year Average



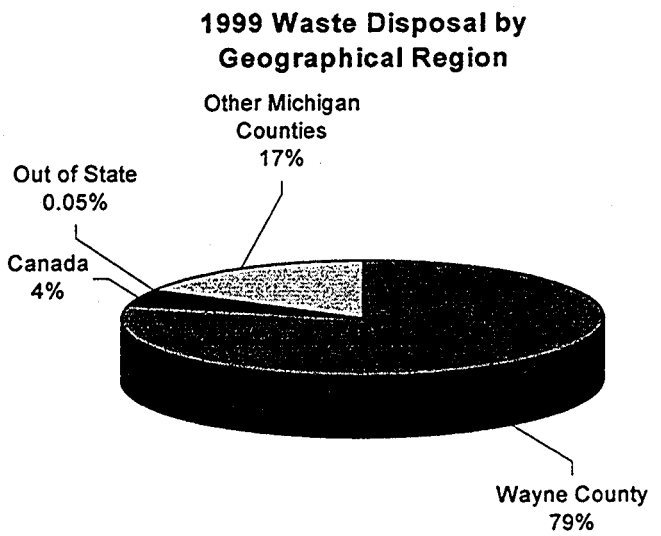
The waste disposal profile based on waste category for the last 5-years (*reported in gate cubic yards*) for Wayne County landfills is:

	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	ASH/SPECI
1995	10,195,194	2,621,882	3,452,768	3,941,118	179,427
1996	11,476,833	2,665,934	4,826,180	3,839,632	145,087
1997	10,422,370	2,457,772	3,711,149	4,074,960	178,489
1998	10,242,456	2,901,952	3,305,691	3,879,907	154,906
1999	12,129,564	5,046,324	2,680,384	4,224,749	178,107
Total	**54,466,417**	**15,693,864**	**17,976,172**	**19,960,366**	**836,016**
Average	**10,893,283**	**3,138,773**	**3,595,234**	**1,990,000**	**167,203**

Waste Disposal By Category
5 Year Average



Wayne County landfills are accepting waste from a variety of communities within Michigan as well as waste from Canada and surrounding States. Historically the waste volumes imported into Wayne County have nearly equaled the volume of Wayne County waste exported. The following graph depicts the percentage of waste disposed of at Wayne County landfills in 1999 based on geographical location.



Wayne County currently has 10 active landfills, which accepted over 12 million cubic yards of waste for disposal in 1999. The table below identifies these facilities, their annual disposal volume in 1999 and their remaining capacity based on approved design.

	1999 Data		
Site	**Current Airspace (bcy)**	**Remaining Life (years)**	**Disposal vol (gcy).**
Allen Park	1,823,870	4	408,191
Carleton Farms-MSW	63,390,000	67	1,899,955
Countywide	3,800,000	15	250,000*
Huron Quarry	578,840	11	54,750*
Levy	2,721,500	9	318,671
Livonia	178,207	17	10,761
Riverview	13,380,000	19	1,374,648
Sauk Trails	23,637,817	12	4,088,532
Sibley Quarry	15,000,000	60	250,000
Woodland Meadows	22,544,000	12	3,806,322

The total remaining life of Wayne County's landfills is **approximately 20 years**** based on the disposal capacities and utilization rates identified in 1999 Annual Waste Stream Reports provided by each facility. These numbers represent actual capacities and yearly disposal volumes as of Dec. 31,1999.

* These values have been estimated for purposes of calculating a remaining life since neither facility was accepting waste in 1999.

** To determine this value, the current airspace available was totaled for all landfills, which is in bank cubic yards, and was divided by the total disposal volume (converted into bcy). Since two different waste types were combined, two different conversion factors to convert gate cubic yards (gcy) into bank cubic yards (bcy) were utilized. For simplicity a consistent conversion for type II waste at 2 gcy = 1 bcy and for type III landfills at 1 gcy = 1 bcy was assumed. This provides a conservative estimate since at most facilities, the conversion will generally be greater. The availability of this airspace to be used if other facilities were to close, was also evaluated. In developing the available life for Wayne County's solid waste landfills, the volume available at Sibley Quarry was not included since this is a very specialized landfill that generally would not be acceptable for waste other than coal ash and would have artificially inflated the remaining life.

MUNICIPAL WASTE GENERATED
CALENDAR YEAR 1995

Table 1

		Residential Waste (reported as Tons)				
MUNICIPALITY	POPULATION	RECYCLED	COMPOSTED	LANDFILLED	INCINERATED	TOTAL
Allen Park	31,092	1,650	4,503	12,206	0	18,360
Belleville *	3,270	74	1,176	0	0	1,790
Browstown	21,500	118	125	6,766	0	7,009
Canton	66,119	1,988	4,029	31,171	0	37,188
Dearborn	89,286	4,082	8,721	38,365	0	51,168
Dearborn Hts.	60,838	913	9,113	9,599	25,260	35,286
Detroit	1,027,974	0	9,697	57,303	450,000	490,000
Ecorse	13,301	0	346	7,715	0	8,061
Flat Rock *	7,810	0	0	0	0	4,276
Garden City	32,000	464	4,460	8,021	21,109	26,033
Gibraltar	4,297	75	0	1,588	0	1,663
Grosse Ile. Twp.	10,124	292	1,032	5,831	0	7,155
Grosse Pte	5,681	450	992	423	4,358	5,800
Grosse Pte. Farms	10,092	734	1,936	549	5,658	8,328
Grosse Pte. Prk.	12,500	929	3,960	771	7,944	12,833
Grosse Pte. Shores	3,100	215	0	199	2,048	2,048
Grosse Pte. Woods	17,715	1,476	5,461	818	8,429	15,366
Hamtramck	18,300	70	585	11,372	0	12,027
Harper Woods	14,600	848	1,677	435	7,252	10,212
Highland Park	20,000	0	357	38	6,336	6,693
Huron Twp.	12,423	404	14	2,303	0	2,720
Inkster	30,000	40	1,418	5,173	13,614	15,072
Lincoln Park	41,832	1,589	2,989	15,289	0	19,867
Livonia	100,850	6,792	17,495	31,974	0	59,568
Melvindale	11,216	346	845	4,547	0	5,738
Northville Twp.	17,713	1,841	1,141	2,776	0	5,758
Northville, City	6,500	690	508	1,737	0	2,934
Plymouth Twp.	23,648	1,952	1,791	6,407	0	10,150
Plymouth, City	9,560	960	1,605	1,446	0	4,011
Redford Twp.	54,000	2,755	7,392	17,861	0	28,008
River Rouge	11,314	147	0	0	0	7,351
Riverview	13,637	85	1,038	7,070	0	8,192
Rockwood	3,141	99	260	814	0	1,174
Romulus	22,580	39	0	3,978	0	4,108
Southgate	30,771	1,227	4,550	9,174	0	14,951
Sumpter Twp.	10,891	42	8	8,407	0	8,520
Taylor	72,000	116	2,194	30,476	0	32,786
Trenton	20,586	534	1,210	11,580	0	13,324
Van Buren Twp.	21,010	413	939	0	0	6,802
Wayne	19,899	148	1,460	3,940	10,369	11,977
Westland *	86,000	1,468	3,110	43,872	0	48,450
Woodhaven	12,500	453	231	4,289	0	4,973
Wyandotte	30,938	1,130	1,573	13,161	0	15,864
Total	2,132,608	37,649	109,939	419,442	562,378	1,093,593

* Estimated

Source: Annual Municipality Waste Stream Reports

WAYNE COUNTY-1995	
POPULATION	2,132,608
RESIDENTIAL WASTE	1,093,593 Tons
PER PERSON / PER DAY	2.8 Lbs

DIVERTED	64.9%
RECYCLED	3.4%
COMPOSTED	10.1%
INCINERATED	51.4%

MUNICIPAL WASTE GENERATED
CALENDAR YEAR 1996

		Residential Waste (reported as Tons)				
MUNICIPALITY	POPULATION	RECYCLED	COMPOSTED	LANDFILLED	INCINERATED	TOTAL
Allen Park	31,092	1,624	4,110	12,596	0	18,331
Belleville *	3,270	0	0	0	0	1,790
Browstown	21,500	81	327	5,215	0	5,623
Canton	65,978	1,658	2,028	17,984	0	21,671
Dearborn	89,286	4,082	6,469	35,827	0	46,378
Dearborn Hts.	60,838	872	9,006	9,603	25,272	35,150
Detroit	1,027,974	36,224	5,856	111,600	434,617	562,220
Ecorse	11,338	0	700	5,753	0	6,454
Flat Rock *	7,810	0	0	0	0	4,276
Garden City	32,000	427	5,965	7,923	20,850	27,242
Gibraltar *	4,148	82	0	1,788	0	1,870
Grosse Ile. Twp.	10,164	491	1,256	4,563	0	6,310
Grosse Pte	5,681	440	1,327	395	4,074	5,841
Grosse Pte. Farms	10,080	724	2,303	574	5,920	8,947
Grosse Pte. Prk. *	12,500	929	3,960	725	7,478	12,843
Grosse Pte. Shores *	3,100	186	0	174	1,796	2,093
Grosse Pte. Woods *	17,715	1,276	4,412	728	7,506	13,579
Hamtramck *	18,300	70	585	11,372	0	12,027
Harper Woods *	14,600	848	1,677	435	7,252	10,212
Highland Park *	20,000	0	310	25	5,870	6,205
Huron Twp. *	12,710	313	181	2,521	0	3,015
Inkster	30,000	23	1,118	521	13,772	14,913
Lincoln Park	41,832	1,435	5,692	16,247	0	23,374
Livonia	100,850	6,459	18,310	33,851	0	66,592
Melvindale	11,216	309	847	5,142	0	6,297
Northville Twp.	17,713	819	1,118	2,965	0	4,901
Northville, City	6,500	718	605	1,600	0	2,923
Plymouth Twp.	23,648	1,296	1,615	5,662	0	8,574
Plymouth, City	9,560	512	1,000	2,945	0	4,457
Redford Twp.	54,000	3,125	7,512	21,078	0	31,715
River Rouge	13,000	136	795	6,420	0	7,351
Riverview	13,636	91	1,767	6,804	0	8,662
Rockwood	3,141	89	119	1,307	0	1,515
Romulus	22,580	551	831	3,644	0	5,026
Southgate	30,771	1,079	2,560	10,243	0	13,882
Sumpter Twp.	10,891	103	18	6,879	0	6,999
Taylor	72,000	70	1,962	31,330	0	33,361
Trenton	20,586	552	1,346	11,749	0	13,646
Van Buren Twp.	21,010	441	989	4,994	0	6,424
Wayne	19,899	115	1,547	3,393	8,930	10,592
Westland *	84,750	1,485	3,168	5,246	39,595	49,494
Woodhaven	12,500	568	376	5,206	0	6,151
Wyandotte	30,938	1,211	1,628	14,653	0	17,492
Total	2,131,105	71,514	105,394	431,681	582,931	1,156,416

*Estimated

Source: Annual Municipality Waste Stream Reports

WAYNE COUNTY - 1996	
POPULATION	2,131,105
RESIDENTIAL WASTE	1,156,416 Tons
PER PERSON /PER DAY	3.0 Lbs

DIVERTED	65.70%
RECYCLED	6.2%
COMPOSTED	9.1%
INCINERATED	50.4%

Table 3

MUNICIPAL WASTE GENERATED
CALENDAR YEAR 1997

		Residential Waste (reported as Tons)				
MUNICIPALITY	POPULATION	RECYCLED	COMPOSTED	LANDFILLED	INCINERATED	TOTAL
Allen Park	31,092	1,647	4,841	13,436	0	19,925
Belleville *	3,270	0	0	0	0	1,790
Brownstown	23,000	41	537	7,111	0	7,688
Canton	65,978	1,976	4,432	37,056	0	43,464
Dearborn	95,000	4,286	5,135	42,839	0	52,260
Dearborn Hts.	60,838	907	9,819	12,384	23,823	37,643
Detroit	1,027,974	35,383	10,382	169,197	427,717	617,017
Ecorse *	11,338	0	700	5,753	0	6,454
Flat Rock *	7,810	0	0	0	0	4,276
Garden City *	32,000	427	5,965	7,923	20,850	27,242
Gibraltar	4,148	86	0	1,783	0	1,872
Grosse Ile. Twp.	10,314	543	1,720	3,616	0	5,880
Grosse Pte	5,681	498	1,480	402	4,140	6,118
Grosse Pte. Farms	10,080	801	2,553	590	6,083	9,437
Grosse Pte. Prk. *	12,500	929	3,960	725	7,478	12,843
Grosse Pte. Shores	2,955	229	0	144	1,488	1,717
Grosse Pte. Woods	17,749	1,455	4,592	755	7,785	13,832
Hamtramck *	18,300	70	585	11,372	0	12,027
Harper Woods *	14,600	848	1,677	435	7,252	10,212
Highland Park	20,000	0	267	5,282	0	5,548
Huron Twp.	12,710	291	192	2,652	0	3,135
Inkster *	30,000	23	1,118	5,233	13,772	14,913
Lincoln Park	41,832	1,422	7,395	16,499	0	25,316
Livonia	100,850	7,770	18,566	33,462	0	64,678
Melvindale	11,216	290	745	5,033	0	6,068
Northville Twp.	20,641	994	1,591	4,919	0	7,504
Northville, City	6,500	2,195	947	7,657	0	10,779
Plymouth Twp.	24,500	1,703	1,920	7,457	0	11,080
Plymouth, City	9,560	593	1,207	2,829	0	4,599
Redford Twp.	54,000	2,913	8,824	20,339	0	32,076
River Rouge	11,000	1,008	3,596	16,200	0	20,804
Riverview	13,894	87	1,441	7,313	0	8,841
Rockwood	3,141	68	449	1,599	0	2,117
Romulus	22,580	553	935	4,241	0	5,728
Southgate	30,771	1,102	1,736	14,733	0	17,570
Sumpter Twp.	10,891	50	22	4,726	0	4,797
Taylor	68,000	53	9,821	29,618	0	39,492
Trenton	20,586	541	2,205	10,811	0	13,558
Van Buren Twp.	21,010	567	483	7,138	0	8,187
Wayne	19,899	113	1,703	405	10,318	12,134
Westland	84,750	1,468	3,110	20,233	38,752	48,450
Woodhaven	13,000	655	727	5,433	0	6,815
Wyandotte	30,938	1,319	2,356	14,781	0	18,456
Total	2,136,896	75,903	129,733	564,116	569,458	1,284,341

* Estimated

Source: Annual Municipality Waste Stream Reports

WAYNE COUNTY - 1997	
POPULATION	2,136,896
RESIDENTIAL WASTE	1,284,342
PER PERSON /PER DAY	3.3

DIVERTED	60.3%
RECYCLED	5.9%
COMPOSTED	10.1%
INCINERATED	44.3%

Table 4

MUNICIPAL WASTE GENERATED
CALENDAR YEAR 1998

		Residential Waste (reported as Tons)				
MUNICIPALITY	POPULATION	RECYCLED	COMPOSTED	LANDFILLED	INCINERATED	TOTAL
Allen Park	31,092	1,628	6,548	11,816	0	19,992
Belleville *	3,270					1,790
Brownstown	23,000	85	991	6,655	0	7,731
Canton	67,924	2,072	4,843	39,558	0	46,641
Dearborn	95,000	4,640	6,288	37,115	0	48,043
Dearborn Hts.	60,838	953	8,253	20,823	10,925	36,912
Detroit	1,027,974	35,823	6,826	149,399	424,006	590,614
Ecorse *	11,338	0	700	5,753	0	6,454
Flat Rock *	7,810	290	0	0	0	4,276
Garden City *	31,846	421	4,258	13,145	9,525	23,730
Gibraltar	4,148	78	0	1,797	0	1,875
Grosse Ile	10,500	526	1,543	3,616	0	5,685
Grosse Pte	5,681	509	1,356	380	3,918	5,783
Grosse Pte. Farm	10,080	839	1,998	573	5,903	8,740
Grosse Pte. Park *	12,500	929	3,960	725	7,478	12,843
Grosse Pte. Shores	3,300	700	1,474	1,546	0	3,720
Grosse Pte. Woods	17,715	1,188	4,167	765	7,887	14,430
Hamtramck *	18,300	70	585	11,372	0	12,027
Harper Woods *	14,600	848	1,677	435	7,252	10,212
Highland Park *	20,000	0	310	25	5,870	6,205
Huron Twp	12,710	228	187	2,756	0	3,172
Inkster	30,000	23	1,118	9,501	6,886	14,913
Lincoln Park	41,832	1,422	7,395	16,499	0	26,739
Livonia	100,850	8,457	17,070	34,520	0	60,047
Melvindale	11,216	167	764	5,369	0	6,300
Northville Twp	20,641	1,086	1,955	4,622	0	7,663
Northville, City	6,500	814	1,345	7,214	0	9,373
Plymouth, City	9,962	618	1,166	2,085	0	3,869
Plymouth, Twp	24,500	1,752	2,191	7,831	0	11,773
Redford, Twp.	54,000	2,785	6,915	20,954	0	30,654
River Rouge	11,000	834	15,922	10,727	0	27,483
Riverview	13,894	77	1,464	7,232	0	8,773
Rockwood *	3,141	68	449	1,599	0	2,117
Romulus	22,580	640	953	4,372	0	5,816
Southgate	30,771	1,096	1,682	14,112	0	16,889
Sumpter	11,000	62	21	5,899	0	5,982
Taylor	68,000	64	9,853	23,890	0	33,807
Trenton	20,584	594	3,361	10,911	0	14,866
VanBuren Twp.	22,000	581	347	8,818	0	9,745
Wayne	19,899	126	1,476	5,699	4,143	9,887
Westland	84,750	446	9,329	29,353	21,271	52,316
Woodhaven	13,000	773	935	6,442	0	8,150
Wyandotte *	30,938	1,262	2,910	15,249	0	19,421
Total	2,140,684	75,575	144,584	561,152	515,063	1,257,459

* Estimated

Source: Annual Municipality Waste Stream Reports

WAYNE COUNTY - 1998

POPULATION	2,140,684
RESIDENTIAL WASTE	1,257,459 Tons
PER PERSON /PER DAY	3.2 Lbs

DIVERTED	58.5%
RECYCLED	6.0%
COMPOSTED	11.5%
INCINERATED	41.0%

MUNICIPAL WASTE GENERATED
CALENDAR YEAR 1999

Table 5

		Residential Waste (reported as Tons)				
MUNICIPALITY	POPULATION	RECYCLED	COMPOSTED	LANDFILLED	INCINERATED	TOTAL
Allen Park	31,092	1,696	4,019	12,611	0	18,326
Belleville	3,300	241	336	1,242	0	1,819
Brownstown	24,000	53	1,465	8,942	0	10,460
Canton	67,924	2,005	4,693	41,100	0	47,798
Dearborn	90,000	4,465	8,098	41,539	0	54,102
Dearborn Hts.	60,838	864	7,133	27,769	0	35,766
Detroit	1,027,974	38,979	4,187	129,686	422,253	595,105
Ecorse*	11,338	0	0	6,454	0	6,454
Flat Rock*	7,810	0	0	4,276	0	4,276
Garden City	31,846	942	7,562	40,086	0	48,590
Gibraltar	4,400	91	0	1,754	0	1,846
Grosse Ile	11,300	488	1,695	6,027	0	8,210
Grosse Pte	5,681	515	1,591	4,228	0	6,334
Grosse Pte. Farm	10,080	854	1,890	6,753	0	9,497
Grosse Pte. Park	12,857	900	0	8,610	0	9,510
Grosse Pte. Shores	3,300	699	1,301	1,507	0	3,507
Grosse Pte. Woods	17,816	1,247	3,997	6,183	0	11,427
Hamtramck*	18,300	0	0	12,027	0	12,027
Harper Woods	14,600	3,899	1,157	7,356	0	12,412
Highland Park	20,000	0	336	0	4,736	5,072
Huron Twp	13,021	189	358	3,553	0	4,100
Inkster	32,000	21	1,490	12,665	0	14,176
Lincoln Park	41,832	876	3,583	18,557	0	23,016
Livonia	100,850	8,589	17,499	32,031	6,615	64,733
Melvindale	11,216	284	783	4,638	0	5,705
Northville, City	6,500	498	1,303	2,635	0	4,436
Northville Twp	20,641	1,176	1,873	4,947	0	7,996
Plymouth, City	9,962	442	647	2,257	0	3,346
Plymouth, Twp	26,163	1,732	1,785	7,044	0	10,562
Redford, Twp.	54,000	2,933	7,906	25,441	0	36,280
River Rouge	9,563	2,136	2,201	17,384	0	21,721
Riverview	13,894	87	1,707	7,376	0	9,170
Rockwood	3,140	120	190	1,163	0	1,473
Romulus	22,580	402	969	5,746	0	7,118
Southgate	30,771	870	2,734	11,316	0	14,920
Sumpter	11,000	34	35	3,971	0	4,040
Taylor	68,000	490	4,307	44,428	0	49,226
Trenton	20,586	608	3,001	15,960	0	19,569
VanBuren Twp.	22,000	583	1,312	8,211	0	10,107
Wayne	19,899	137	1,132	8,340	0	9,609
Westland	84,750	218	5,104	38,623	0	43,945
Woodhaven	13,000	737	800	4,757	0	6,294
Wyandotte	30,938	1,147	2,628	15,668	0	19,443
Total	2,140,762	82,248	112,809	664,861	433,604	1,293,520

*Estimated

Source: Annual Municipality Waste Stream Reports

WAYNE COUNTY - 1999	
POPULATION	2,120,762.0
RESIDENTIAL WASTE	1,293,520.0 Tons
PER PERSON / PER DAY	3.3 Lbs.

DIVERTED	48.6%
RECYCLED	6.4%
COMPOSTED	8.7%
INCINERATED	33.5%

Data presented is from Annual Waste Stream Reports submitted by solid waste facilities to Wayne County Department of Environment's Land Resource Management Division. Non-Wayne County information includes other counties', states', and Canadian waste.

1999 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	394,834	0	0	0	13,357	0	408,191
Carleton Farms	1,019,004	0	293,333	178,107	352,144	0	57,075	0	1,899,663
CWCSA-Huron Quarry	0	0	0	0	0	0	0	0	0
E.C. Levy	0	0	318,671	0	0	0	0	0	318,671
Riverview Landfill	458,082	389,010	454,656	0	1,077	71,673	150	0	1,374,648
Sauk Trail Hills	1,254,811	321,187	1,088,589	0	658,575	231,018	534,352	0	4,088,532
Sibley Quarry	0	0	233,537	0	0	0	0	0	233,537
Woodland Meadows	665,270	1,220,014	784,150	0	637,361	447,482	52,045	0	3,806,322
TOTAL	3,397,167	1,930,211	3,567,770	178,107	1,649,157	750,173	656,979	0	12,129,564

1998 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	227,337	0	0	0	7,170	0	234,507
Carleton Farms	258,806	678,305	779,395	154,906	374,876	86,445	206,655	0	2,539,388
CWCSA-Huron Quarry	0	0	17,144	0	0	0	0	0	144
E.C. Levy	0	0	378,704	0	0	0	0	0	,704
Riverview Landfill	452,172	216,444	35,909	0	3,141	2,401	0	0	710,067
Sauk Trail Hills	804,448	185,944	674,555	0	499,592	18,383	300,554	0	2,483,476
Sibley Quarry	0	0	230,601	0	0	0	0	0	230,601
Woodland Meadows	292,860	1,188,374	935,671	0	216,057	929,395	86,212	0	3,648,569
TOTAL	1,808,286	2,269,067	3,279,316	154,906	1,093,666	1,036,624	600,591	0	10,242,456

1997 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	131,268	0	0	0	17,969	0	149,237
Carleton Farms	492,442	895,995	1,204,327	178,489	68,258	177,955	127,154	0	3,144,620
CWCSA-Huron Quarry	0	0	37,643	0	0	0	0	0	37,643
E.C. Levy	0	0	334,783	0	0	0	0	0	334,782.9
Riverview Landfill	500,466	265,347	101,029	0	10,811	2,103	0	0	879,756
Sauk Trail Hills	381,674	141,777	886,337	0	530,530	21,352	326,807	0	2,288,47
Sibley Quarry	0	0	235,381	0	0	0	0	0	235,38
Woodland Meadows	278,380	800,746	555,968	0	195,211	1,405,874	116,294	0	3,352,47
TOTAL	1,652,962	2,103,865	3,486,736	178,489	804,810	1,607,284	588,224	0	10,422,37

1996 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	102,762	0	0	0	36,985	0	139,747
Carleton Farms	661,171	975,193	1,117,853	145,087	276,320	340,325	139,921	0	3,655,870
CWCSA-Huron Quarry	0	0	0	0	0	0	0	0	0
E.C. Levy	0	0	369,957	0	0	0	0	0	369,957
Riverview Landfill	483,212	262,555	17,660	0	331,895	238,258	908	0	1,334,488
Sauk Trail Hills	232,054	106,196	517,236	0	266,925	37,555	678,882	0	1,838,848
Sibley Quarry	0	0	236,346	0	0	0	7907	0	244,253
Woodland Meadows	270,471	945,166	471,383	0	143,886	1,920,932	141,832	0	3,893,670
TOTAL	1,646,908	2,289,110	2,833,197	145,087	1,019,026	2,537,070	1,006,435	0	11,476,833

1995 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash*	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	115,226	0	0	0	44,689	0	159,915
Carleton Farms	595,825	1,296,549	959,198	179,427	593,720	242,886	216,502	0	4,084,107
CWCSA-Huron Quarry	0	0	33,000	0	0	0	0	0	33,000
E.C. Levy	0	0	353,555	0	0	0	0	0	353,555
Riverview Landfill	437,210	324,455	314,420	0	8	737,961	0	0	1,814,053
Sauk Trail Hills	251,885	96,264	540,564	0	363,436	81,961	669,629	0	2,003,739
Sibley Quarry	0	0	213,897	0	0	0	26,866	0	240,763
Woodland Meadows	255,588	346,700	385,599	0	124,210	325,992	67,973	0	1,506,062
TOTAL	1,540,508	2,063,968	2,915,459	179,427	1,081,374	1,388,800	1,025,659	0	10,195,194

1994 Totals (GCY)

	Wayne County				Non Wayne County				
	Residential	Commercial	Industrial	Ash	Residential	Commercial	Industrial	Ash	Totals
Allen Park Clay Mine	0	0	207,164	0	0	0	37,463	0	244,627
Carleton Farms	4,317,154	0	0	0	87,800	0	0	0	4,404,954
CWCSA-Huron Quarry	29,795	0	0	0	0	0	0	0	29,795
E.C. Levy	0	0	327,204	0	0	0	0	0	327,204
Riverview Landfill	543,167	199,403	103,297	0	0	314,602	0	0	1,160,469
Sauk Trail Hills	394,510	133,369	407,538	0	576,363	29,262	561,790	0	2,202,832
Sibley Quarry	0	0	320,000	0	0	0	34,680	0	354,680
Woodland Meadows	77,153	235,511	153,564	0	21,396	203,547	15,521	0	706,692
TOTAL	5,361,779	568,283	1,518,767	0	685,559	547,411	649,454	0	9,431,253

Facility Descriptions

The following table lists all solid waste disposal areas within Wayne County or to be used by Wayne County to meet its disposal needs for the planning period. The facility description sheets for these facilities, information on the closed landfills that will remain included in the Plan (pp. A 44 – A 46), and information regarding the facilities removed from the Plan as part of this update, can be found in Appendix A.

Facility Name & Location	Facility Type	Page Number
Wayne County Landfills		
Carleton Farms, Sumpter Twp., Wayne County	Type II Landfill/Ash Monofill	A 3
Countywide, Gibraltar, Wayne County	Type III Landfill	A 4
Edw. C. Levy, Taylor, Wayne County	Type III Landfill	A 5
Ford Allen Park Clay Mine, Allen Park, Wayne County	Type II Landfill	A 6
Huron Monofill, Huron Twp., Wayne County	Ash Monofill	A 7
Livonia Landfill, Livonia, Wayne County	Type III Landfill	A 8
Riverview Land Preserve, Riverview, Wayne County	Type II Landfill	A 9
Sauk Trail Hills, Canton, Wayne County	Type II Landfill	A 10
Sibley Quarry, Trenton, Wayne County	Type III Landfill	A 11
Woodland Meadows, Van Buren Twp., Wayne County	Type II Landfill	A 12
Wayne County Waste-to-Energy Facilities		
CWCSA, Dearborn Heights, Wayne County	Waste-to-Energy Facility	A 13
Greater Detroit Resource Recovery, Detroit, Wayne County	Waste-to-Energy Facility	A 14
Wayne County Type A Transfer Stations (> 200 yd3/day)		
American Waste Oil, Belleville, Wayne County	Type A Transfer Station	A 15
City Disposal Systems, Detroit, Wayne County	Type A Transfer Station	A 16
Dearborn Transfer, Dearborn, Wayne County	Type A Transfer Station	A 17
Detroit Transfer and Recycling, Detroit, Wayne County	Type A Transfer Station	A 18
Dinverno, Detroit, Wayne County	Type A Transfer Station and Processing Plant	A 19
Metropolitan Transfer Center, Detroit, Wayne County	Type A Transfer Station	A 25
New Center Recycling, Detroit, Wayne County	Type A Transfer Station and Processing Plant	A 26
Onyx Transfer, Dearborn, Wayne County	Type A Transfer Station	A 28
S&J, River Rouge, Wayne County	Type A Transfer Station and Processing Plant	A 32
Southfield Yard, Detroit, Wayne County	Type A Transfer Station	A 33
Trenton Transfer, Trenton, Wayne County	Type A Transfer Station	A 36
Waste Management – Livonia Yard, Livonia, Wayne County	Type A Transfer Station	A 37
Wayne County Type B Transfer Stations (< 200 yd3/day)		
Hamtramck Transfer, Hamtramck, Wayne County	Type B Transfer Station	A 20
Inkster Transfer, Inkster, Wayne County	Type B Transfer Station	A 21
Lincoln Park Transfer, Lincoln Park, Wayne County	Type B Transfer Station	A 22
Livonia Transfer, Livonia, Wayne County	Type B Transfer Station	A 23
Markwell Trucking, Belleville., Wayne County	Type B Transfer Station	A 24
Northville City Transfer, Northville, Wayne County	Type B Transfer Station	A 25
Plymouth City Transfer, Plymouth, Wayne County	Type B Transfer Station	A 29
River Rouge Transfer, River Rouge, Wayne County	Type B Transfer Station	A 30
Romulus Transfer, Romulus, Wayne County	Type B Transfer Station	A 31
Southgate Transfer, Southgate, Wayne County	Type B Transfer Station	A 34
Taylor Transfer, Taylor, Wayne County	Type B Transfer Station	A 35
Westland Transfer, Westland, Wayne County	Type B Transfer Station	A 38
Woodhaven Transfer, Woodhaven, Wayne County	Type B Transfer Station	A 39
Wyandotte Transfer, Wyandotte, Wayne County	Type B Transfer Station	A 40
Wayne County Processing Plants		
Michigan Disposal, Van Buren Twp., Wayne County	Processing Plant	A 41
Taylor Recycling, Taylor, Wayne County	Processing Plant	A 42
USL, City Environmental, Detroit, Wayne County	Processing Plant	A 43

Facility Descriptions

Facility Name & Location	Facility Type	Page Number
Out of County Landfills		
Citizens Disposal, Grand Blanc, Genesee County	Type II Landfill	A 47
McGill Rd. Landfill, Jackson, Jackson County	Type II Landfill	A 48
Adrian Landfill, Adrian, Lenawee County	Type II Landfill	A 49
Pine Tree Acres, Lenox Twp., Macomb County	Type II Landfill	A 50
Vienna Junction, Erie, Monroe County	Type II Landfill	A 51
Matlin Road Landfill, Carleton, Monroe County	Type III C&D Landfill	A 52
Rockwood Landfill, Newport, Monroe County	Type III Landfill	A 53
Oakland Heights Development, Auburn Hills, Oakland County	Type II Landfill	A 54
Eagle Valley RDF, Orion, Oakland County	Type II Landfill	A 55
Venice Park RDF, Lennon, Shiawassee County	Type II & III Landfill	A 56
Arbor Hills Landfill, Salem Township, Washtenaw County	Type II Landfill	A 57

The information within the facility description sheets in Appendix A may conflict in some respects with the information in the body of this Plan. The information on the facility description sheets has been provided by the facilities and has not been verified by Wayne County. Volumes used within this plan for calculation of capacities and existing life have been verified by Wayne County and may not be reflected within the facility description sheets in Appendix A.

Compost Facilities

Following is a list of operating compost facilities where yard clippings generated in Wayne County are delivered.

Wayne County

Facility: Taylor Compost
Owner/Operator: City of Taylor
Address: 16300 Racho Road, Taylor

Facility: Northville Compost Yard
Owner/Operator: City of Northville
Address: 650 Doheny, Northville

Facility: Carleton Farms
Owner/Operator: Republic Waste Services
Address: 28800 Clark Road, Sumpter

Monroe County

Facility: Jack's Lawn Service, Inc.
Owner/Operator: Jack Sturn
Address: 5550 W. Dunbar, Monroe

Facility: Regulated Resource Recovery
Owner/Operator: Contact Nick Straub
Address: 200 Matlin Rd., Carleton (Ash Twp.)

Macomb County

Facility: King of the Winds
Owner/Operator: Dolores Michaels
Address: 21600 Quinn Road, Clinton Township

Facility: Pine Tree Acres
Owner/Operator: WMI
Address: 36600 29 Mile, Lenox Twp.

Oakland County

Facility: Eagle Valley Transfer
Owner/Operator: WMI
Address: Silverbell Road, Orion Twp.

Facility: Wright Way Clean-Up
Owner/Operator:
Address: 1586 Valley Dr., Highland

St. Clair County

Facility: Indian Summer Recycling
Owner/Operator: Bob Brooks & Fred Thompson
Address: 5877 Bethuy Rd., Casco

Washtenaw County

Facility: Arbor Hills
Owner/Operator: Onyx Waste Services, Inc.
Address: 10599 W. Five Mile Rd., Northville

Solid Waste Collection Services
And Transportation Infrastructure

The tables and maps on the following pages represent the current status of the solid waste collection services for each municipality, and the infrastructure and locations of the Type II and Type III Landfills, and Waste-to-Energy Incinerators/Incinerators that are utilized for solid waste disposal in Wayne County. Existing Transfer Stations, and Processing Facilities are also shown.

Table 7 specifically shows the waste hauler and disposal facility used by each Wayne County municipality. Table 8 shows information regarding household hazardous waste collection and yard waste collection. Table 9 lists the Transfer Stations and Processing Facilities and their current status.

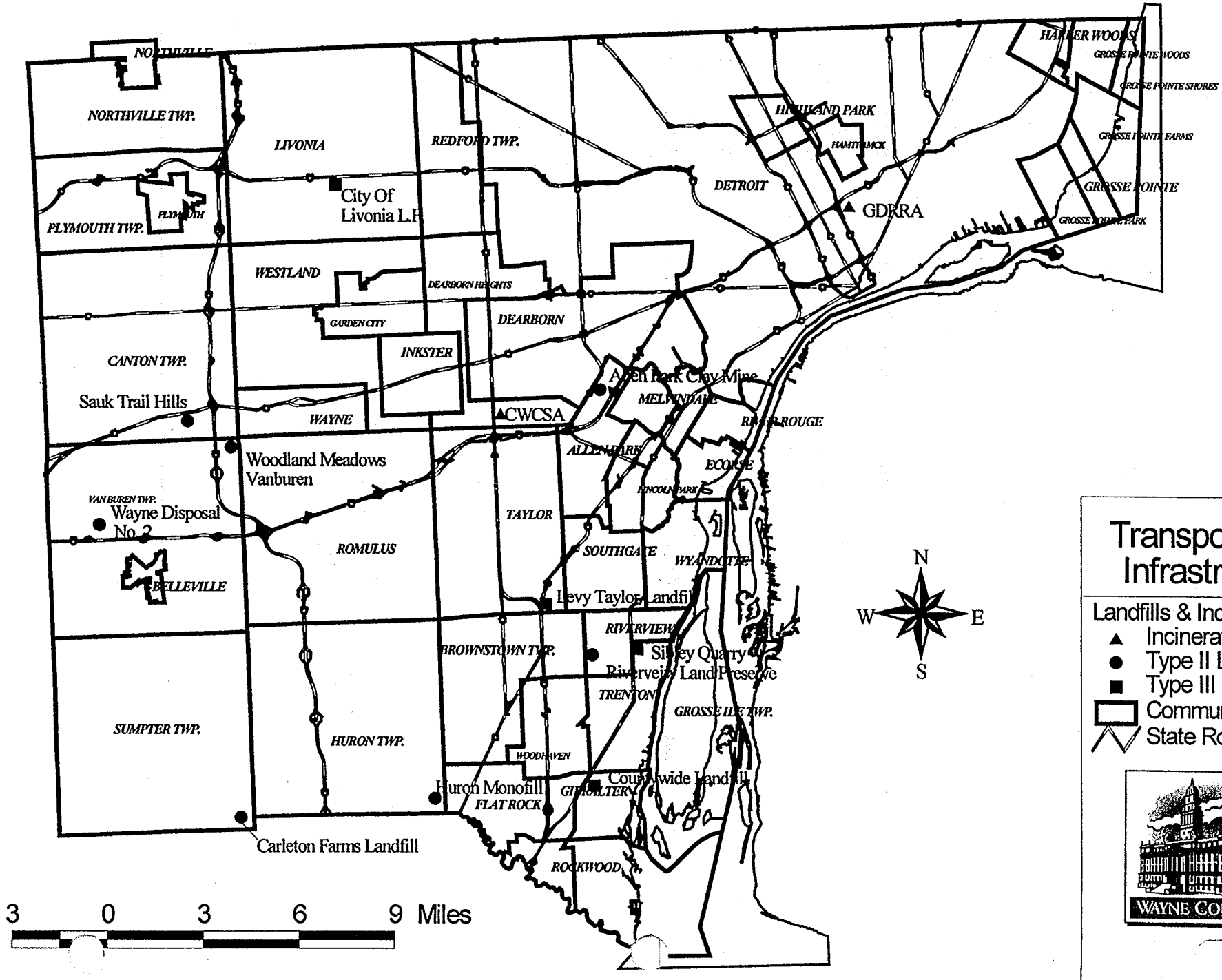
TABLE 7
WASTE COLLECTION SERVICES

MUNICIPALITY	WASTE HAULER	DISPOSAL FACILITY
ALLEN PARK	Painter & Ruthenberg	Riverview Land Preserve
BELLEVILLE	BFI	Woodland Meadows
BROWNSTOWN TWP	Waste Management	Riverview Land Preserve
CANTON TWP	Canton Waste Recycling	Sauk Trail Hills Landfill
DEARBORN	Waste Management	Woodland Meadows
DEARBORN HEIGHTS	Painter & Ruthenberg	CWCSA Incinerator
DETROIT	Municipal Crew	GDRRA Incinerator
ECORSE	Waste Management	Riverview Land Preserve
FLAT ROCK	Waste Management	Carleton Farms Landfill
GARDEN CITY	ABCOR	CWCSA Incinerator
GIBRALTAR	ABCOR	Riverview Land Preserve
GROSSE ILE	ABCOR	Riverview Land Preserve
GROSSE POINTE	Municipal Crew	Pine Tree Acres-Macomb
GROSSE POINTE FARMS	Municipal Crew	Pine Tree Acres-Macomb
GROSSE POINTE PARK	BFI	Pine Tree Acres-Macomb
GROSSE POINTE SHORES	Municipal Crew	Pine Tree Acres-Macomb
GROSSE POINTE WOODS	Waste Management	Pine Tree Acres-Macomb
HAMTRAMCK	Municipal Crew	Carleton Farms Landfill
HARPER WOODS	Waste Management	GDRRA Incinerator
HIGHLAND PARK	Municipal Crew	GDRRA Incinerator
HURON TWP	Waste Management	Carleton Farms Landfill
INKSTER	Painter & Ruthenberg	CWCSA Incinerator
LINCOLN PARK	Waste Management	Riverview Land Preserve
LIVONIA	Waste Management	Woodland Meadows
MELVINDALE	Waste Management	Riverview Land Preserve
NORTHVILLE	Painter & Ruthenberg	Sauk Trail Hills Landfill
NORTHVILLE TWP	Painter & Ruthenberg	Sauk Trail Hills Landfill
PLYMOUTH	Painter & Ruthenberg	BFI Arbor Hills
PLYMOUTH TWP	Waste Management	Woodland Meadows
REDFORD TWP	BFI	BFI Arbor Hills
RIVER ROUGE	Waste Management	Riverview Land Preserve
RIVERVIEW	Waste Management	Riverview Land Preserve
ROCKWOOD	Waste Management	Riverview Land Preserve
ROMULUS	Waste Management	Carleton Farms Landfill
SOUTHGATE	Waste Management	Riverview Land Preserve
SUMPTER TWP	Waste Management	Carleton Farms Landfill
TAYLOR	Waste Management	Riverview Land Preserve
TRENTON	Municipal Crew	Riverview Land Preserve
VANBUREN TWP	Waste Management	Woodland Meadows
WAYNE	Painter & Ruthenberg	CWCSA Incinerator
WESTLAND	Painter & Ruthenberg	CWCSA Incinerator
WOODHAVEN	Waste Management	Riverview Land Preserve
WYANDOTTE	Waste Management	Riverview Land Preserve

TABLE 8
WASTE COLLECTION SERVICES

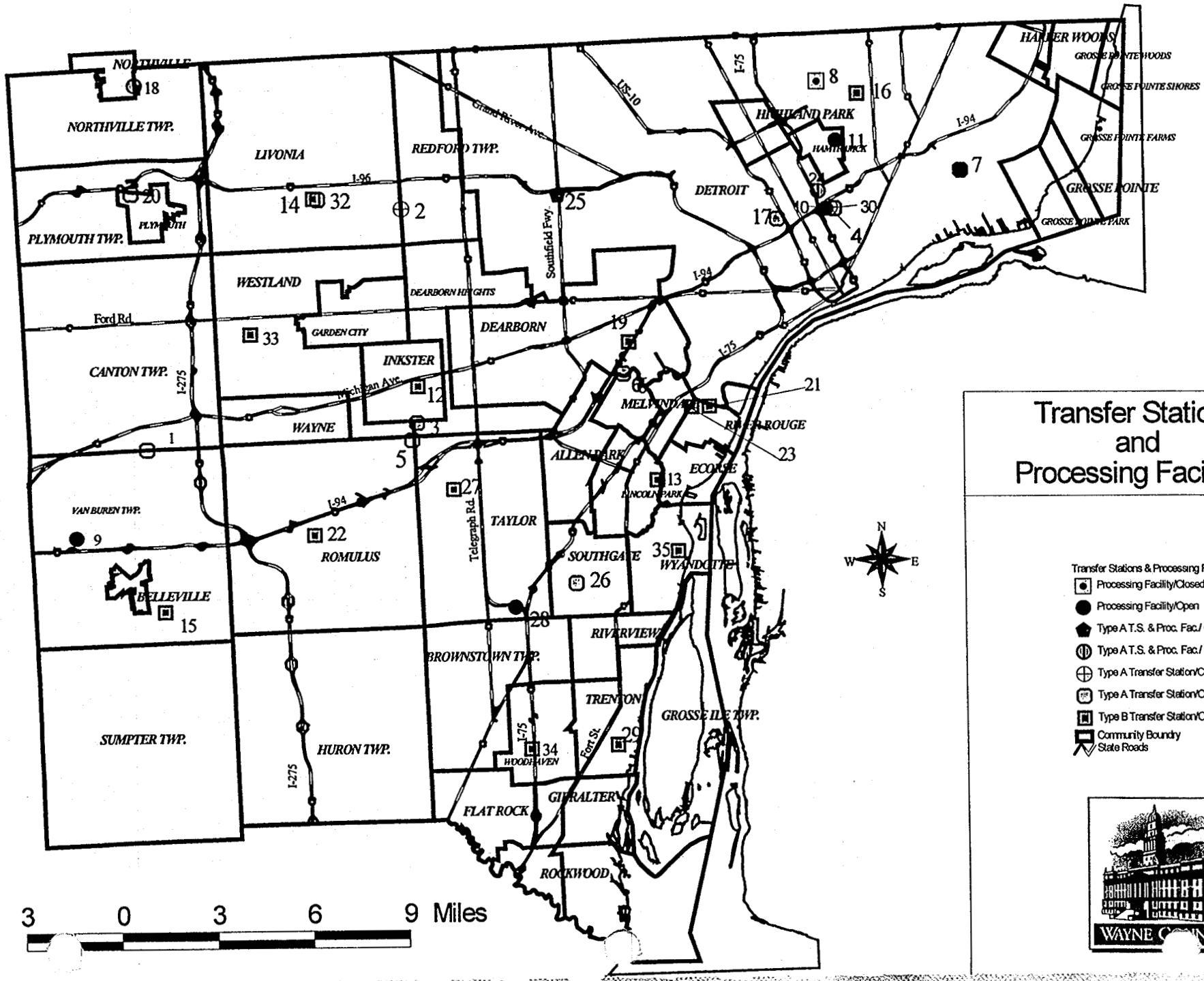
MUNICIPALITY	HHW COLLECTION FACILITATOR	HHW COLLECTION FREQUENCY	YARDWASTE
ALLEN PARK	Riverview Land Preserve	twice per year	every other week
BELLEVILLE	n/a	n/a	weekly
BROWNSTOWN TWP	Riverview Land Preserve	twice per year	weekly
CANTON TWP	Sauk Trail Hills	annually	weekly
DEARBORN	City of Dearborn	annually	weekly
DEARBORN HEIGHTS	CWCSA	annually	weekly
DETROIT	City Environmental	scheduled appointments and scheduled events	monthly
ECORSE	n/a	n/a	weekly
FLAT ROCK	City Environmental	twice per year	weekly
GARDEN CITY	CWCSA	annually	weekly
GIBRALTAR	n/a	n/a	weekly
GROSSE ILE	n/a	n/a	weekly
GROSSE POINTE	Tringali Sanitation	rotates*	weekly
GROSSE POINTE FARMS	Tringali Sanitation	rotates*	weekly
GROSSE POINTE PARK	Tringali Sanitation	rotates*	weekly
GROSSE POINTE SHORES	Tringali Sanitation	rotates*	weekly
GROSSE POINTE WOODS	Waste Management	twice per year	weekly
HAMTRAMCK	n/a	n/a	weekly
HARPER WOODS	Tringali Sanitation	rotates*	weekly
HIGHLAND PARK	n/a	n/a	every other week
HURON TWP	n/a	n/a	weekly
INKSTER	CWCSA	annually	every other week
LINCOLN PARK	n/a	n/a	weekly
LIVONIA	Waste Management	annually	weekly
MELVINDALE	Riverview Land Preserve	twice per year	weekly
NORTHVILLE	Painter & Ruthenberg	annually	weekly
NORTHVILLE TWP	Painter & Ruthenberg	annually	weekly
PLYMOUTH	n/a	n/a	weekly
PLYMOUTH TWP	Waste Management	annually	weekly
REDFORD TWP	City Environmental	scheduled appointments and annual event	weekly
RIVER ROUGE	n/a	n/a	drop-off
RIVERVIEW	Riverview Land Preserve	twice per year	weekly
ROCKWOOD	n/a	n/a	weekly
ROMULUS	n/a	n/a	weekly
SOUTHGATE	Riverview Land Preserve	twice per year	weekly
SUMPTER TWP	n/a	n/a	drop-off
TAYLOR	Midwestern Sanitation	annually	weekly
TRENTON	Riverview Land Preserve	twice per year	weekly
VANBUREN TWP	n/a	n/a	weekly
WAYNE	CWCSA	annually	weekly
WESTLAND	CWCSA	annually	weekly
WOODHAVEN	Riverview Land Preserve	twice per year	weekly
WYANDOTTE	Riverview Land Preserve	twice per year	weekly

*Rotates annually between the Pointes and Harper Woods
n/a=not applicable


Transportation Infrastructure
Landfills & Incinerators
Incinerator
Type II Landfill
Type III Landfill
Community Boundry
State Roads
WAYNE COUNTY
N
S
E
W
3 0 3 6 9 Miles
NORTHVILLE TWP.
LIVONIA
REDFORD TWP.
City Of Livonia L.F.
PLYMOUTH TWP.
PLYMOUTH
WESTLAND
DEARBORN HEIGHTS
GARDEN CITY
DEARBORN
INKSTER
CANTON TWP.
Sauk Trail Hills
WAYNE
CWCSA
Woodland Meadows Vanburen
VAN BUREN TWP.
Wayne Disposal No. 2
BELLEVILLE
ROMULUS
TAYLOR
SOUTHGATE
WYANDOTTE
ECORSE
LINCOLN PARK
ALLEN PARK
MELVINDALE
RIVER ROUGE
DETROIT
HIGHLAND PARK
HAMTRAMCK
GDRRA
HARPER WOODS
GROSSE POINTE WOODS
GROSSE POINTE SHORES
GROSSE POINTE FARMS
GROSSE POINTE
GROSSE POINTE PARK
Allen Park Clay Mine
Levy Taylor Landfill
RIVERVIEW
Silley Quarry
Riverview Land Preserve
BROWNSTOWN TWP.
TRENTON
GROSSE ILE TWP.
SUMPTER TWP.
HURON TWP.
WOODHAVEN
Countywide Landfill
Huron Monofill
GIBRALTER
FLAT ROCK
ROCKWOOD
Carleton Farms Landfill

e 9
Wayne County
Transfer Stations and Processing Facilities

MAP ID	FACILITY NAME	FACILITY ADDRESS	COMMUNITY	FACILITY TYPE/STATUS	PREVIOUS APPROVED NAMES
1	American Waste Oil	44141 Yost	Van Buren Twp.	Type A Transfer Station/Open	
3	City Disposal Systems, Inc.	1550 Harper	Detroit	Type A Transfer Station/Open	
5	CWCSA	4901 S. Inkster	Dearborn Heights	Type A Transfer Station/Open	
20	Onyx Transfer	3051 Schaefer	Dearborn	Type A Transfer Station/Open	Laidlaw/Schaefer Rd. Transfer/BFI Dbn.
6	Dearborn Transfer Station	2651 Greenfield	Dearborn	Type A Transfer Station/Open	
7	Detroit Transfer and Recycling	12001 Mack Avenue	Detroit	Type A Transfer Station/Open	WMI - Detroit North Transfer
12	Hamtramck	9600 Buffalo	Hamtramck	Type B Transfer Station/Open	
13	Inkster, City of	26900 Princeton	Inkster	Type B Transfer Station/Open	
14	Lincoln Park, City of	500 Southfield Rd.	Lincoln Park	Type B Transfer Station/Open	
15	Livonia, City of	32000 Glendale	Livonia	Type B Transfer Station/Open	
16	Markwell	15435 Martinsville Rd.	Van Buren Twp.	Type B Transfer Station/Open	
17	Metropolitan Transfer Center	6451 East McNichols	Detroit	Type A Transfer Station/Open	
19	Northville, City of	650 Doheny	Northville	Type B Transfer Station/Open	
21	Plymouth, City of	1231 Goldsmith	Plymouth	Type B Transfer Station/Open	
22	River Rouge, City of	5 Marion	River Rouge	Type B Transfer Station/Open	
23	Romulus, City of	34100 Goddard Rd.	Romulus	Type B Transfer Station/Open	
26	Southfield Yard, City of Detroit	12255 Southfield Road	Detroit	Type A Transfer Station/Open	
27	Southgate, City of	14719 Schafer Ct.	Southgate	Type B Transfer Station/Open	
28	Taylor, City of	16300 Racho Rd.	Taylor	Type B Transfer Station/Open	
30	Trenton, City of	1801 Van Horn	Trenton	Type A Transfer Station/Open	
32	Waste Mgmt Livonia	32000 Glendale	Livonia	Type A Transfer Station/Open	
33	Westland, City of	37137 Marquette	Westland	Type B Transfer Station/Open	
34	Woodhaven, City	21840 Van Horn	Woodhaven	Type B Transfer Station/Open	
35	Wyandotte, City of	2065 Biddle	Wyandotte	Type B Transfer Station/Open	
2	Progressive Sweeping	12564 Inkster	Redford	Type A Transfer Station/Closed	BFI Redford
4	Waste Management Transfer	5980 Inkster Rd	Romulus	Type A Transfer Station/Closed	Bestway Recycling. Inc., & City Env'l.
25	Detroit Energy and Recycling	2660 East Grand Boulevard	Detroit	Type A T.S. & Proc. Fac./ Closed	Circle Recycling, S&S
9	Dinverno Transfer and Processing	4600 East Nevada	Detroit	Type A T.S. & Proc. Fac./ Open	
18	New Center Recycling	1331 Holden Avenue	Detroit	Type A T.S. & Proc. Fac./ Open	Session Transfer & Processing
24	S & J	1900 West Pleasant Ave.	River Rouge	Type A T.S. & Proc. Fac./ Open	
8	Detroit Transfer and Recycling	12001 Mack Avenue	Detroit	Processing Facility/Closed	WMI - Detroit North Processing
11	GDRRA	5700 Russell	Detroit	Processing Facility/Open	
10	Michigan Disposal Waste Treatment	49350 N. I-94 Service Dr.	Belleville	Processing Facility/Open	
28	Taylor Recycling	8767 Holland	Taylor	Processing Facility/Open	
31	USL City Environmental	1923 Frederick Street	Detroit	Processing Facility/Open	City Disposal Systems Processing


Transfer Stations
and
Processing Facilities
Transfer Stations & Processing Facilities
Processing Facility/Closed
Processing Facility/Open
Type A T.S. & Proc. Fac./ Closed
Type A T.S. & Proc. Fac./ Open
Type A Transfer Station/Closed
Type A Transfer Station/Open
Type B Transfer Station/Open
Community Boundry
State Roads
NORTHVILLE TWP.
LIVONIA
REDFORD TWP.
PLYMOUTH TWP.
WESTLAND
DEARBORN HEIGHTS
GARDEN CITY
DEARBORN
CANTON TWP.
INKSTER
WAYNE
VAN BUREN TWP.
ROMULUS
BELLEVILLE
TAYLOR
SUMPTER TWP.
HURON TWP.
BROWNSTOWN TWP.
FLAT ROCK
ROCKWOOD
GIBRALTER
TRENTON
HOODPAVEN
SOUTHGATE
RIVERVIEW
ALLEN PARK
MELVINDALE
RIVER ROUGE
ECORSE
LINCOLN PARK
WYANDOTTE
GROSSE ILE TWP.
DETROIT
HIGHLAND PARK
HAMTRAMCK
HARPER WOODS
GROSSE POINTE WOODS
GROSSE POINTE SHORES
GROSSE POINTE FARMS
GROSSE POINTE
GROSSE POINTE PARK
Southfield Fwy.
Grand River Ave.
Ford Rd.
Michigan Ave.
Telegraph Rd.
Fort St.
I-96
I-94
I-75
I-275
US-10
N
S
E
W
3 0 3 6 9 Miles
WAYNE COUNTY

EVALUATION OF DEFICIENCIES AND PROBLEMS

With current adequate landfill capacity in Wayne County for all solid waste streams, residential, commercial, and industrial, the deficiencies and problems with the existing solid waste management system are centered on compostable materials, and recyclables.

1.) Yard Clippings:

Beginning on March 28, 1995, Michigan's Natural Resources and Environmental Protection Act, P.A. 451, Part 115, prohibited the disposal of yard clippings, as defined in the Act, in landfills and incinerators. Without the benefit of approved state guidelines outlining alternative methods of handling, the disposal of yard clippings has become a problem. A number of sites have attempted to operate compost facilities but have failed due to odor problems associated with plastic bags, and unmanageable volumes. Suitable sized land parcels, required for optimal composting, are difficult to obtain. As a result, there are few options within Wayne County for disposal of yard clippings. Illegal dumping of yard clippings has thus increased resulting in further nuisance conditions.

In order to solve these problems, Wayne County is prepared to support changes to current state regulations that prohibit land disposal of yard waste. Wayne County believes that a heightened awareness of the yard waste disposal problem could lead to supporting regulations that would allow yard waste to be disposed of at waste-to-energy incinerators and landfills that have an approved gas collection/energy recovery system.

Additionally, Wayne County is committed to further educating the public about the benefits of grass-cycling and backyard composting in order to prevent as much yard waste as possible from requiring disposal.

2.) Recycling:

Markets for recyclable materials need to be improved. A strong emphasis on procurement of goods manufactured from post-consumer recycled materials is essential in encouraging further market development. Further education is also needed among the county citizens, community leaders, business, and industry regarding the true costs of waste disposal as well as the cost-savings often realized through a sound program involving reduction, reuse, and recycling.

Relatively low disposal costs in the Southeast Michigan region create little or no economic incentive for waste reduction and recycling, and few communities are willing to place an economic disincentive on waste disposal at this time. Additionally, recycling activities are not as common within the multi-family residential, commercial, and industrial sectors as they are within the single-family residential sector. Effective programs in these three sectors could have a measurable impact on the County's overall waste stream disposal.

DEMOGRAPHICS

The following Table 10 presents the current and projected population densities for five and ten year periods, identification of current and projected solid waste generation including commercial and industrial solid waste for five and ten year periods. Population densities have been obtained by taking current population totals from municipal reports and using SEMCOG's predicted rate of change to project 5 and 10 year populations. Solid waste generation data is expressed in cubic yards and is based on current reported figures of pounds per person per day and assumes no change in generation for 5 and 10 year periods.

TABLE 10

CURRENT/PROJECTED WAYNE COUNTY POPULATION AND SOLID WASTE GENERATION (CUBIC YARDS)*

YEAR	RESIDENTIAL POPULATION	RESIDENTIAL WASTE	COMMERCIAL POPULATION	COMMERCIAL WASTE	INDUSTRIAL POPULATION	INDUSTRIAL WASTE	TOTAL WASTE
1999	2,107,016	5,224,431	736,478	2,680,384	260,726	4,224,749	12,129,564
2000	2,100,830	5,198,924	742,245	2,682,102	260,493	4,220,123	12,101,149
2005	2,065,752	5,112,116	761,409	2,751,351	253,406	4,106,697	11,970,164
2010	2,037,131	5,041,288	769,467	2,780,469	249,272	4,039,702	11,861,459

* Totals from Annual Waste Stream reports were used to compute data.

Land Development

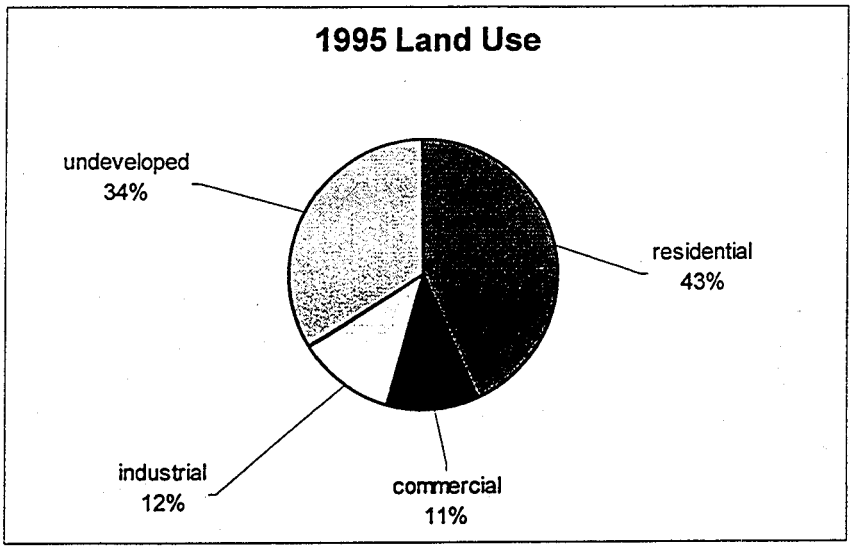
Wayne County presently has more than 20 years left of landfill space. While the need for land for development of new facilities is not an immediate concern, growth trends indicate that suitable land may not be available in the future when new facilities need to be sited. The information presented pertains only to the 25 of 43 communities in which the Wayne County Soil Erosion/Sedimentation Control (SESC) program has jurisdiction. The other 18 communities act as their own Local Enforcement Agency (LEA). Information from the SESC permitting process is one of the best methods to gage and possibly predict growth trends in land development. The program mandates that if any development disturbs more than one acre of land or is within 500 feet of a lake or stream, an owner, contractor, or developer must obtain a local earth change permit. Any proposed landfill would most likely go through this permitting process.

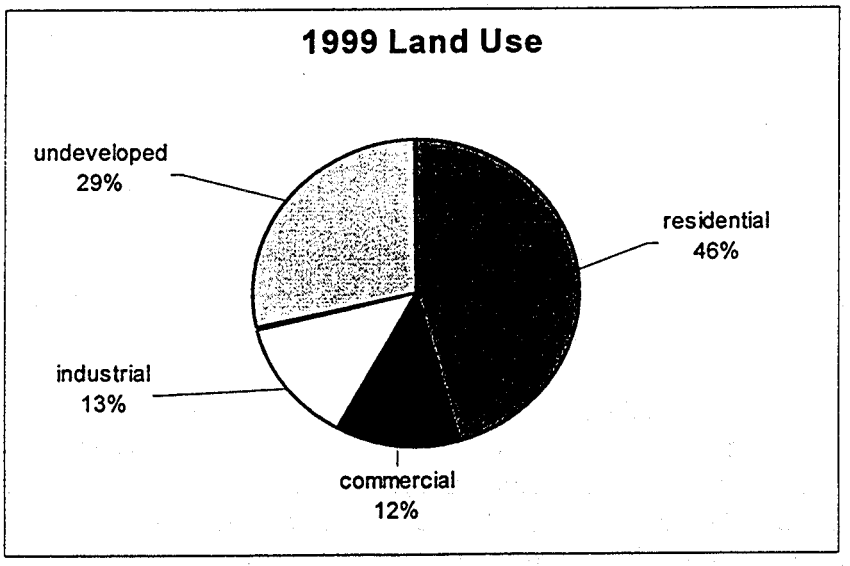
Wayne County is comprised of 622.85 square miles or 398,624 acres. Wayne County Department of Environment's Land Resource Management Division (LRMD) acts as the SESC authority in 25 of the 43 communities consisting of 422.81 square miles or 270,598.4 acres. LRMD regulates 67.88% of possible permitted area. Permits are issued for residential, commercial or industrial building. Based on a 1998 SEMCOG Community Profile report, in 1995 land use was divided into 4 categories and given a percent value based on acreage: residential (43.3); commercial (10.9); industrial (11.6); and undeveloped (34.2.) The cities and townships permitted are both built up and rural in nature. All four corners of the County are included in these totals.

In 1995, 1,465 acres were permitted and in 1998, 2,159.2 acres; this is a 10.7 percent average growth increase per year between 1995 through 1998. 3,416.3 acres were permitted in 1999, which is a 36% increase over 1998. Currently, 6,151 acres are under permit. It is evident that the percentage of development in all areas of land use has increased, leaving a small amount of land left undeveloped.

Because of this expansive growth, available land is scarce for landfill development. Most of western Wayne County has been and continues to be built out. There are large parcels of land being used for residential development in the northwestern and downriver communities. Other communities have a lot of industrial construction; some of this may be redevelopment of existing or vacant properties.

The pace of demand and construction has been fierce in the last two years. While most economic forecasters do not expect the U.S. economy to slip into a severe recession, most believe the world economic problems will slow down the construction demand. *If this pace continues, locating land for new waste disposal facilities will become very difficult in the future.* Based on constitutionally guaranteed private property rights and these noted development trends, fewer contiguous tracts of land will be available for landfill development in the future.


1995 Land Use
undeveloped
34%
residential
43%
industrial
12%
commercial
11%


1999 Land Use
undeveloped
29%
residential
46%
industrial
13%
commercial
12%

SOLID WASTE MANAGEMENT ALTERNATIVES

Wayne County's 1990 Solid Waste Management Plan identified, considered, and evaluated an array of solid waste management techniques and alternatives based on existing and proposed facilities including both private and municipal operations.

Alternative methods for managing solid waste were grouped into four categories: waste minimization; resource conservation; volume reduction; and landfilling. All the alternatives are available and employed in Wayne County.

Waste minimization focuses on reducing the volume of material before it becomes waste. The other methods deal with materials as a waste product. Volume reduction and resource recovery technologies are complete systems that require disposal of some residual waste materials.

Waste minimization reduces the quantity of material that ultimately must be disposed of as solid waste. The principal methods are:

> Less material per unit involves changes in product design and packaging. Examples of product changes are thin-wall container and elimination of individual wrapped portions.
>
> Increased product life through the development and use of materials in products that would increase use-life and reduce replacement needs and modular design of products that would permit replacement of a part and reuse of the product rather than complete replacement.
>
> Reuse of a product without changing its form. The returnable beverage container is an example.
>
> Decreased consumption focuses on the elimination of products that are deemed unnecessary and the reduction in use of others. Examples of things that could be minimized are junk mail and multiple bagging of merchandise.

All of these methods reduce the quantity of waste generated and the associated costs of collection, transporting, processing and disposal. Added benefits are the conservation of resources and energy used in manufacturing process. The generator of waste chooses to use less, to reuse items more than one time, or to discard less material.

Resource conservation is the recovery of materials through recycling, composting or as energy from solid waste. Resource conservation is generally an ancillary activity associated with one or more of the other disposal approaches.

The primary resource conservation techniques are:

> Waste-to-energy incineration is a process where solid waste is burned for the purpose of producing steam for heat and/or the generation of electrical power. This process reduces the fossil fuel consumption for power generation and reduces volume of waste requiring landfill space.
>
> Recycling or the reclamation of recoverable materials found in solid waste such as paper, glass, plastics, used oil, tires and metals specifically for reuse or for regeneration as new product material. Recycling results in the reduced use of raw materials and energy to refine raw materials.
>
> Composting is a process to convert organic waste material to a humus material for reuse in soil building and fertilization. Composting reduces the need for landfill and reduces reliance on chemical fertilizers.

Resource recovery can be categorized into direct and indirect methods. Direct resource conservation of materials takes place at the point of generation referred to as "source separation" which means that the mixed materials are transported to a processing facility to be mechanically sorted according to material types.

Source separation is a waste management component that encourages the reclamation of recoverable materials in solid waste, while reducing the total volume to be landfilled. The term "source separation" means separating materials such as paper, glass and metals, at the point of generation. Conservation of materials that are produced from diminishing a supply of natural resources saves the non-renewable resource and saves energy used to produce replacement products and consumed in disposing of the product.

An indirect resource conservation alternative is waste-to-energy incineration. Waste-to-energy considerations include the volume reduction aspect and waste's value as energy production source. Waste-to-energy facilities significantly reduce the volume of material otherwise landfilled. Recycling is another complementary alternative.

Wayne County priorities emphasize waste reduction as a primary and continuing objective as noted in the Wayne County Solid Waste Planning Goals on page 8. Additionally, the Wayne County Solid Waste Management System developed and implemented during the 1990s provides a diverse program that includes the following priorities: a.) waste minimization; b.) resource conservation; and c.) landfilling. Significant progress has been made toward the goals set forth in the previously approved 1985 and 1990 Plans. Wayne County continues to move forward to implement sound solid waste management alternatives.

III

IMPORTING WASTE INTO WAYNE COUNTY

Wayne County continues to authorize importation of waste into Wayne County as a practical and cost effective method to manage solid waste disposal. Waste importation will be controlled to provide maximum utilization of landfills located within the County by the residents and businesses of the County while still allowing some movement where and when practicable. Communities utilizing Wayne County facilities must be in compliance with recycling and composting goals defined in the Wayne County Solid Waste Management Plan. Further, any county exporting over 100,000 gate cubic yards (gcy) per year of waste into Wayne County must specifically allow reciprocal quantities of Wayne County waste into landfills within their county and so declare in their solid waste management plan. If the exporting county does not have sufficient landfill capacity to support their reciprocal agreement they will be limited to exporting 100,000 gcy per year, to Wayne County unless it has been documented that greater volumes have historically been imported. If this is the case, they will be restricted to exporting no more than their historical quantities.

The volumes identified below are yearly import amounts in gate cubic yards for those counties that are authorized to import over 100,000 gate cubic yards per year. As a practical means of monitoring import volumes, these numbers will be averaged over a 5-year period; in any one year the volume may not exceed 125% of the Annual Quantity and at no time will they be allowed to exceed the 5-Year Total.

EXPORTING COUNTY	ANNUAL QUANTITY	5-YEAR TOTAL
LIVINGSTON	200,000*	1,000,000
MACOMB	300,000	1,500,000
MONROE	200,000	1,000,000
OAKLAND	1,000,000	5,000,000
WASHTENAW	2,000,000	10,000,000
OTHER MICHIGAN COUNTIES COMBINED	500,000	2,500,000
TOTALS	**4,200,000**	**21,000,000**

*Quantity is based on historical importation.
Quantities listed are in gate cubic yards.

Import volumes will be monitored and if any county exceeds its Annual Quantity, it will be notified of this exceedance. If volumes exceed 125% of the Annual Quantity for any one-year, the exporting county will be notified that its volumes will be tracked quarterly for the next year. If the totals for that next year approach the Annual Quantity, the landfills and the exporting county will be notified that acceptance of the county's waste may be prohibited. Once 125% of the Annual Quantity has been exceeded, the landfill(s) will be directed to no longer accept waste from that specific county.

In regards to importing from "other counties," Wayne County will accept waste from all other counties in Michigan as long as their combined total does not exceed an average of 500,000 gate cubic yards per year over a 5-year period. No single county may export more than 100,000 gcy per year to Wayne County unless they have been specifically authorized and provide a reciprocal agreement.

Before a landfill can accept household municipal waste from any community outside of Wayne County, the landfill must first receive certification (on a form provided by Wayne County) that the municipality is in compliance with the recycling goals of the Wayne County Solid Waste Management Plan and provide that certification to Wayne County.** Should Wayne County determine that a municipality no longer meets the recycling goals of the Plan, the municipality will be notified and allowed two weeks to provide explanation as to why it should be allowed to continue disposing waste in Wayne County. At the determination of the Director of the LRMD that the municipality has not provided adequate rationale to support their position, disposal of their waste in Wayne County landfills will not be allowed. Once the decision has been made, Wayne County landfills and the municipality will be notified that after two weeks, the landfills will no longer be allowed to accept that community's waste.

The volumes identified in the preceding table are exporting counties' waste quantities that are authorized for disposal directly at solid waste landfills located within Wayne County. Additional volumes are authorized for disposal at one of the licensed waste to energy incinerators located within Wayne County, provided these facilities have additional operating permit capacity. Prior to importation of any waste into one of the Wayne County waste to energy incinerators, Wayne County must be notified. In addition, all quantities imported must be reported annually.

** Wayne County encourages all municipalities to offer curbside recycling. However, communities will meet Wayne County's recycling goals if they provide reasonable access to a recycling drop-off center to all residents of the community. Reasonable access shall be considered as having a drop-off center within a 10 mile radius. The certification form can be found in Appendix I.

EXPORTATION OF WASTE FROM WAYNE COUNTY

Wayne County will continue to authorize exportation of waste to all counties in Michigan as long as the receiving County has authorized importation of waste from Wayne County. This exportation must comply with any applicable import restrictions imposed by the receiving County. The table below identifies those Counties that have provided specific authorization for importation of waste from Wayne County and the amount they have authorized.

IMPORTING COUNTY	DAILY QUANTITY	ANNUAL QUANTITY
MACOMB		900,000 gcy**
MONROE	5,000 gcy/day*	
OAKLAND		1,000,000 gcy
WASHTENAW		2,000,000 gcy

* Total volume of waste allowed to be imported from all Counties

** Total volume authorized for Pine Tree Acres landfill

This list only identifies those that historically have received waste from Wayne County and is not necessarily all inclusive of those Counties that may have authorized disposal of Wayne County waste. If exportation of Wayne County waste is anticipated to a county not listed above, the receiving county should be contacted to verify the acceptability and for determination of any limitations or restrictions.

SOLID WASTE DISPOSAL AREAS

The following charts and Table 11 identify the names of existing disposal areas that will be utilized to provide the required capacity and management needs for the solid waste generated within Wayne County for the next five to ten years. Pages A3 through A57 in Appendix A contain facility descriptions of the solid waste disposal facilities that are located within Wayne County and the disposal facilities located outside Wayne County that will be used by Wayne County for the planning period. Additional facilities within Wayne County with applicable permits and licenses may be used as they are sited by this Plan, or amended into this Plan, and become available for disposal. If this Plan update is amended to identify additional facilities for disposal in other counties outside Wayne County, those facilities may only be used if the receiving county authorizes such import. Facilities outside of Michigan may also be used if legally available for such use.

Wayne County Landfills

FACILITY NAME	SITE ADDRESS	COMMUNITY	FACILITY TYPE
Carleton Farms	28800 Clark Road	Sumpter Twp.	Type II & Monofill
Edward C. Levy Co.	21280 Pennsylvania	Taylor	Type III
Ford Allen Park Clay Mine	17005 Oakwood Blvd.	Allen Park	Type II
Glendale Landfill (City of Livonia)	12973 Glendale Ave.	Livonia	Type III
Huron Monofill -CWCSA	28200 S. Huron Road	Huron Twp.	Monofill
Countywide Landfill	1650 W. Jefferson	Gibraltar	Type III
Riverview Land Preserve	20863 Grange Road	Riverview	Type II
Sauk Trail Hills	5011 S. Lilley Rd.	Canton	Type II
Sibley Quarry, Detroit Edison	502 Quarry Rd.	Trenton	Monofill
Woodland Meadows RDF	5900 Hannan Road	VanBuren Twp.	Type II

Non-Wayne County Landfills

FACILITY NAME	SITE ADDRESS	COMMUNITY	COUNTY	FACILITY TYPE
Citizens Disposal	2361 W. Grand Blanc Rd.	Grand Blanc	Genesee	Type II
Philip McGill Road Landfill	3895 McGill Road	Jackson	Jackson	Type II
Adrian Landfill	1970 North Ogden Hwy.	Adrian	Lenawee	Type II
Pine Tree Acres	36600 29 Mile Road	Lenox	Macomb	Type II
Allied-Rockwood Landfill	9450 U.S. Turnpike	Newport	Monroe	Type III
Resource Recovery-Matlin Road Landfill	200 Matlin Road	Carleton	Monroe	Type III
BFI-Vienna Junction Industrial Park	6749 South Dixie Highway	Erie	Monroe	Type II
Eagle Valley RDF	600 W. Silverbell Road	Orion Twp.	Oakland	Type II
Oakland Heights Development	2350 Brown Road	Auburn Hills	Oakland	Type II
Venice Park RDF	9536 Lennon	Lennon	Shiawasee	Type II & Type III
Arbor Hills Landfill & MRF	10690 Six Mile Road	Salem Twp.	Washtenaw	Type II

Wayne County
Transfer Stations and Processing Facilities

MAP ID	FACILITY NAME	FACILITY ADDRESS	COMMUNITY	FACILITY TYPE/STATUS	PREVIOUS APPROVED NAMES
1	American Waste Oil	44141 Yost	Van Buren Twp.	Type A Transfer Station/Open	
3	City Disposal Systems, Inc.	1550 Harper	Detroit	Type A Transfer Station/Open	
5	CWCSA	4901 S. Inkster	Dearborn Heights	Type A Transfer Station/Open	
20	Onyx Transfer	3051 Schaefer	Dearborn	Type A Transfer Station/Open	Laidlaw/Schaefer Rd. Transfer/BFI Dbn.
6	Dearborn Transfer Station	2651 Greenfield	Dearborn	Type A Transfer Station/Open	
7	Detroit Transfer and Recycling	12001 Mack Avenue	Detroit	Type A Transfer Station/Open	WMI - Detroit North Transfer
12	Hamtramck	9600 Buffalo	Hamtramck	Type B Transfer Station/Open	
13	Inkster, City of	26900 Princeton	Inkster	Type B Transfer Station/Open	
14	Lincoln Park, City of	500 Southfield Rd.	Lincoln Park	Type B Transfer Station/Open	
15	Livonia, City of	32000 Glendale	Livonia	Type B Transfer Station/Open	
16	Markwell	15435 Martinsville Rd.	Van Buren Twp.	Type B Transfer Station/Open	
17	Metropolitan Transfer Center	6451 East McNichols	Detroit	Type A Transfer Station/Open	
19	Northville, City of	650 Doheny	Northville	Type B Transfer Station/Open	
21	Plymouth, City of	1231 Goldsmith	Plymouth	Type B Transfer Station/Open	
22	River Rouge, City of	5 Marion	River Rouge	Type B Transfer Station/Open	
23	Romulus, City of	34100 Goddard Rd.	Romulus	Type B Transfer Station/Open	
26	Southfield Yard, City of Detroit	12255 Southfield Road	Detroit	Type A Transfer Station/Open	
27	Southgate, City of	14719 Schafer Ct.	Southgate	Type B Transfer Station/Open	
28	Taylor, City of	16300 Racho Rd.	Taylor	Type B Transfer Station/Open	
30	Trenton, City of	1801 Van Horn	Trenton	Type A Transfer Station/Open	
32	Waste Mgmt Livonia	32000 Glendale	Livonia	Type A Transfer Station/Open	
33	Westland, City of	37137 Marquette	Westland	Type B Transfer Station/Open	
34	Woodhaven, City	21840 Van Horn	Woodhaven	Type B Transfer Station/Open	
35	Wyandotte, City of	2065 Biddle	Wyandotte	Type B Transfer Station/Open	
2	Progressive Sweeping	12564 Inkster	Redford	Type A Transfer Station/Closed	BFI Redford
4	Waste Management Transfer	5980 Inkster Rd	Romulus	Type A Transfer Station/Closed	Bestway Recycling. Inc., & City Env'l.
25	Detroit Energy and Recycling	2660 East Grand Boulevard	Detroit	Type A T.S. & Proc. Fac./ Closed	Circle Recycling, S&S
9	Dinverno Transfer and Processing	4600 East Nevada	Detroit	Type A T.S. & Proc. Fac./ Open	
18	New Center Recycling	1331 Holden Avenue	Detroit	Type A T.S. & Proc. Fac./ Open	Session Transfer & Processing
24	S & J	1900 West Pleasant Ave.	River Rouge	Type A T.S. & Proc. Fac./ Open	
8	Detroit Transfer and Recycling	12001 Mack Avenue	Detroit	Processing Facility/Closed	WMI - Detroit North Processing
11	GDRRA	5700 Russell	Detroit	Processing Facility/Open	
10	Michigan Disposal Waste Treatment	49350 N. I-94 Service Dr.	Belleville	Processing Facility/Open	
28	Taylor Recycling	8767 Holland	Taylor	Processing Facility/Open	
31	USL City Environmental	1923 Frederick Street	Detroit	Processing Facility/Open	City Disposal Systems Processing

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION

Although both public and private enterprises provide solid waste collection and transportation, the majority of the communities within Wayne County contract with private haulers. Table 7 on page 24 shows each community and their current waste collection service provider. This collection and transportation system has proved to be very capable of handling the volumes generated in Wayne County, and in fact private disposal companies are always eager to privatize the hauling in communities that currently haul their own waste.

Commercial and industrial wastes are handled by the generators either directly or through contracted services with one of the many waste hauling companies within Wayne County or adjacent Counties.

RESOURCE CONSERVATION EFFORTS

In Wayne County's original Solid Waste Management Plan, resource conservation strategies were investigated. The results of those previous investigations still hold true today. For any meaningful and effective resource conservation to take place there must be mandated and funded programs from the State and Federal Governments. Wayne County is not structured to deal effectively in this regard, and therefore is not assigning a value to the amount of waste diverted from landfills.

The following section, however, describes specific resource recovery programs in place that will continue to aid Wayne County in diverting waste from the landfills.

Waste Reduction, Recycling, and Composting Programs

A. Volume Reduction Techniques

1. Efforts proposed to reduce physical volume of waste being landfilled.

The techniques available to physically reduce the volume of landfilled waste are already successfully employed at Wayne County disposal areas. The combustion of waste at waste-to-energy incinerators reduces the physical volume of waste greater than 75%. The disposal of waste in landfills involves innovative operating techniques, such as compaction, to mechanically reduce its volume. These methods of volume reduction benefit the facilities for both practical and financial reasons.

Since volume reduction is practiced voluntarily and because technologies change and equipment may need replacing, it is not this plan update's intention to limit the techniques to only what is listed. Persons within Wayne County are encouraged to use the technique that provides the most efficient and practical volume reduction for their needs.

2. Estimated amount of space saved by each technique used.

Waste-to-energy facilities' volume reduction data for the three year period of 1995 – 1998 shows that greater than 12,000,000 bank cubic yards of landfill space was saved during this period. Assuming this annual volume reduction benefit continues to be achieved in the future, greater than 30,000,000 bank cubic yards of landfill space will be saved over the next 10 years.

Local landfill operators report that innovative techniques, such as leachate recirculation, could achieve accelerated decomposition and/or increased densities approaching a 10% space savings; projected landfill space savings could exceed 4,500,000 bank cubic yards over a ten-year period.

Collectively these available volume reduction techniques could potentially defer or save greater than 35,000,000 bank cubic yards of landfill space thus greatly extending the lives of existing landfills.

B. Overview of Resource Recovery Programs

1. Opportunities available for recycling and composting in Wayne County.

Recycling and collection of yard clippings are feasible in Wayne County. 41 of the 43 municipalities within Wayne County currently offer single family residences the service of curbside collections and/or drop-off centers for recyclables and yard clippings.

Thirty municipalities offer weekly, 2 municipalities offer biweekly, and 1 municipality offers bimonthly curbside pickup of recyclables. 27 municipalities offer drop-off recycling centers. Yard clippings are collected curbside by 37 municipalities weekly, 2 municipalities biweekly, and 1 municipality monthly. One municipality offers curbside pickup of recyclables and yard clippings if the residents call and request it, but they do offer a drop-off center.

2. Types and volumes of materials available in the waste stream.

The types and volume of residential waste generated in Wayne County that is being recycled is detailed in Tables 12 and 5 respectively. Based on the data in these tables which has been collected from the local municipalities, the average single family household recycles approximately 6 percent of its generated waste through curbside and/or drop-off programs. According to the U.S. EPA, approximately 60 percent of the residential waste generated could be recycled.* This suggests that Wayne County residents are recycling 10 percent of the material that is available for recycling. Because of Michigan's "Bottle Bill", however, the recycling rate may actually be as high as 20 percent.

These same tables show that within local communities, the average family household composts approximately 9 percent of its annual waste generated. Again, the EPA suggests that 13 percent of the residential waste stream is available to be composted. Wayne County, then, is doing very well by composting approximately 70 percent of the available compostable material.

3. Impediments to recycling or composting and recommendations for minimizing the impediments.

The high cost of recycling relative to the cost of municipal waste disposal coupled with fluctuating market demands has deterred more aggressive efforts. Increased participation in recycling programs could help to lower the cost. However, to achieve this, additional funding and education is needed. Multi-family dwellings and commercial and industrial establishments lack incentives to take a more proactive role in recycling.

A number of commercial sites that have attempted to operate compost facilities within Wayne County have failed due to unmanageable volumes and odor problems. Suitable sized land areas, required for optimal composting, are difficult to obtain for this specific use. As a result, there are few options in Wayne County for commercial composting. Increased educational efforts can be implemented to focus on minimizing the volume of yard waste requiring handling.

* USEPA'S 1998 national average waste generation and characterization profile suggests that 60 percent of residential waste material (i.e. paper, paperboard, glass, metal and plastics) is potentially recyclable and 13 percent (yard waste and trimmings) is potentially compostable.

As discussed on page 29, Wayne County recognizes the problems associated with commercial composting. For long-term solutions, Wayne County supports changes to the current state regulations that prohibit land disposal of yard clippings. Wayne County believes that a heightened awareness of the inefficiencies of yard clippings disposal could lead to supporting regulations that will allow yard clippings to be disposed of at waste-to-energy incinerators and landfills that have an approved gas collection and energy recovery program.

4. Potential benefits of recycling and composting programs.

The benefits of recycling and composting include saved landfill space, as well as the natural resources and energy saved from reduced production of new materials. Recycling and backyard composting are also easy, effective ways for the citizens to practice environmental responsibility.

5. Feasibility of source separation of potentially hazardous components.

Separation of potentially hazardous components is somewhat feasible. Although the county does not currently have a program for household hazardous waste collection, several of the communities offer their residents annual household hazardous waste collection days.

C. Recycling, Composting, and Source Separation of Hazardous Materials

The following Tables 12, 13, and 14 detail the existing programs for municipal recycling, municipal composting, and municipal household hazardous waste collection services respectively. The Wayne County Department of Environment is developing an on-line materials exchange program that, if successful, will help to reduce the amount of hazardous material entering the waste stream. In addition, the Wayne County Department of Environment's various Divisions have a mercury reduction program in place with the goal of reducing the release of mercury into the environment.

The Land Resource Management Division (LRMD) has identified a list of mercury recyclers in the area and the mercury containing products that they recycle. LRMD is also encouraging all communities hosting household hazardous waste collections to include the acceptance of mercury-containing products for recycling. Efforts are also being made to develop countywide specifications for purchasing mercury-free fluorescent bulbs for all Wayne County buildings. Finally, LRMD hopes to work with local businesses to arrange area-wide drop-off stations for the collection of mercury-containing thermostats and thermometers.

The Air Quality Management Division (AQMD) has developed a work plan with two goals. The first goal involves developing an educational outreach program aimed at contractors licensed to do business in Wayne County. This program will identify the contractors, as well as the trade associations, and develop an informational package

intended to educate this specific group as to the environmental problems with mercury, available substitutes for mercury components currently used, (thermostats, mercury switches, relays, etc.), proper disposal methods, and approved recyclers or disposal sites. The second goal involves developing an educational outreach program aimed at automobile salvage yards in Wayne County. This program will identify the sources within the county, as well as the trade associations, and develop an informational package intended to educate this specific group as to the environmental problems with mercury, the necessity of removing and recycling mercury components from junk autos, identifying the components that contain mercury, proper recycling and/or disposal methods, and approved recyclers or disposal sites.

The Compliance and Public Affairs Division (CPA) has created a library of public education materials for public distribution and has developed a strategy to outreach identified stakeholder groups in educational institutions and coordinate pollution prevention efforts to recycle and replace use of mercury. CPA is also designing a public relations and media campaign to promote pollution prevention messages to encourage recycling and reduction of use of mercury-laden products.

The Division of Public Works (DPW) is also involved and has developed two goals. The first goal is to promote the MDEQ approved Mercury Reduction Plan (MRP) for point discharges. The DPW will review mercury-monitoring data quarterly for the Downriver system and sample potential sources. Their second goal is to outreach to facilities to increase awareness of the mercury problem in Michigan and promote mercury pollution prevention.

Wayne County encourages all waste generators to explore additional means to increase resource recovery.

TABLE 12
Municipal Recycling Collection

Service Area	Public/ Private	Recycling Vendor	Collection Point (a)	Collection Frequency (b)	Materials Collected (d)	Additional Materials
ALLEN PARK	Private	Painter & Ruthenberg	c,d	b	b,c,a,e,f,d	used motor oil
BELLEVILLE	Private	BFI	c	w	a,b,d,e,f	n/a
BROWNSTOWN TWP	Private	Waste Management	d	n/a	a,b,e,f	n/a
CANTON TWP	Private	Canton Waste Recycling	c,d	w	a,b,c,d,e,f,	batteries, paint
DEARBORN	Private	Waste Management	c,d	w	a,b,d,e,f	n/a
DEARBORN HEIGHTS	Private	Painter & Ruthenberg	c,d	w	a,b,d,e,f	batteries
DETROIT	Public	Municipal Crew	d	n/a	a,b,e,f	n/a
ECORSE	no program	City Disposal	no program	no program	no program	no program
FLAT ROCK	Private	City Disposal	c	w	a,b,c,e,f	n/a
GARDEN CITY	Private	Painter & Ruthenberg	c,d	w	a,b,e,f	n/a
GIBRALTAR	Public	Abcor	c	bm	d,e,f	n/a
GROSSE ILE	Private	Abcor	c	w	a,b,d,e,f	n/a
GROSSE POINTE	Private	Tringali Sanitation	c	w	a,b,e,f	batteries
GROSSE POINTE FARMS	Private	Tringali Sanitation	c,d	w	a,b,d,e,f	batteries
GROSSE POINTE PARK	Private	BFI	c	w	a,b,e,f	n/a
GROSSE POINTE SHORES	Private	Tringali Sanitation	c	w	a,b,e,f	n/a
GROSSE POINTE WOODS	Private	Waste Management	c	w	a,b,e,f	batteries
HAMTRAMCK	Public	Municipal Crew	d	n/a		n/a
HARPER WOODS	Private	Waste Management	c	w	a,b,e,f	n/a
HIGHLAND PARK	no program	Municipal Crew	no program	no program	no program	no program
HURON TWP	Private	City Disposal	c,d	w	a,b,c,d,e,f,	oil,batteries,anti-freeze
INKSTER	Private	Painter & Ruthenberg	c,d	w	a,b,e,f	n/a
LINCOLN PARK	Private	City Disposal	d	n/a	a,b,e,f	n/a
LIVONIA	Private	Waste Management	c,d	w	a,b,c,d,e,f,	oil,batteries,anti-freeze
MELVINDALE	Private	Waste Management	c,d	w	a,b,e,f	n/a
NORTHVILLE	Private	Painter & Ruthenberg	c,d	w	a,b,c,e,f	oil
NORTHVILLE TWP	Private	Painter & Ruthenberg	c	w	a,b,c,d,e,f,	aerosol cans, batteries
PLYMOUTH	Private	Painter & Ruthenberg	c,d	w	a,b,d,e,f	n/a
PLYMOUTH TWP	Private	Waste Management	c,d	w	a,b,c,d,e,f,	batteries
REDFORD TWP	Private	BFI	c	w	a,b,e,f	n/a
RIVER ROUGE	Private	Waste Management	d	n/a	a,b,e,f	n/a
RIVERVIEW	Private	Waste Management	d	n/a	a,b,c,d,e,f,	oil, batteries
ROCKWOOD	Private	Waste Management	c	w	a,b,e,f	n/a
ROMULUS	Private	City Disposal	c	w	a,b,e,f	n/a
SOUTHGATE	Private	Waste Management	c,d	w	a,b,c,e,f	n/a
SUMPTER TWP	Private	City Disposal	d	n/a	a,b,c,e,f	tires
TAYLOR	Private	Waste Management	c	b	a,b,c,d,e,f,	n/a
TRENTON	Public	Municipal Crew	d	n/a	a,b,e,f	tires,oil,batteries,appliances
VANBUREN TWP	Private	Waste Management	c,d	w	a,b,c,d,e,f	n/a
WAYNE	Private	Painter & Ruthenberg	c,d	w	a,b,e,f	n/a
WESTLAND	Private	Painter & Ruthenberg	c,d	w	a,b,e,f	n/a
WOODHAVEN	Private	Waste Management	c,d	w	a,b,c,e,f	n/a
WYANDOTTE	Private	Waste Management	c,d	w	a,b,c,d,e,f,	n/a

a) c=curbside; d=dropoff
b) b=biweekly; bm=bimonthly; w=weekly
d) a=plastic; b=newspaper; c=cardboard; d=other paper; e=glass; f=metal
n/a=not applicable

TABLE 13
MUNICIPAL YARDWASTE COLLECTION SERVICES

MUNICIPALITY	WASTE HAULER	COLLECTION FREQUENCY
ALLEN PARK	Painter & Ruthenberg	weekly
BELLEVILLE	BFI	weekly
BROWNSTOWN TWP	Waste Management	weekly
CANTON TWP	Canton Waste Recycling	weekly
DEARBORN	Waste Management	weekly
DEARBORN HEIGHTS	Painter & Ruthenberg	weekly
DETROIT	Municipal Crew	monthly
ECORSE	Waste Management	weekly
FLAT ROCK	Waste Management	weekly
GARDEN CITY	Painter & Ruthenberg	weekly
GIBRALTAR	ABCOR	weekly
GROSSE ILE	ABCOR	weekly
GROSSE POINTE	Municipal Crew	weekly
GROSSE POINTE FARMS	Municipal Crew	weekly
GROSSE POINTE PARK	BFI	weekly
GROSSE POINTE SHORES	Municipal Crew	weekly
GROSSE POINTE WOODS	Waste Management	weekly
HAMTRAMCK	Municipal Crew	weekly
HARPER WOODS	Waste Management	weekly
HIGHLAND PARK	Municipal Crew	every other week
HURON TWP	Waste Management	weekly
INKSTER	Waste Management	every other week
LINCOLN PARK	Waste Management	weekly
LIVONIA	Waste Management	weekly
MELVINDALE	Waste Management	weekly
NORTHVILLE	Painter & Ruthenberg	weekly
NORTHVILLE TWP	Painter & Ruthenberg	weekly
PLYMOUTH	Painter & Ruthenberg	weekly
PLYMOUTH TWP	Waste Management	weekly
REDFORD TWP	BFI	weekly
RIVER ROUGE	Waste Management	drop-off
RIVERVIEW	Waste Management	weekly
ROCKWOOD	Waste Management	weekly
ROMULUS	Waste Management	weekly
SOUTHGATE	Waste Management	weekly
SUMPTER TWP	Waste Management	drop-off
TAYLOR	Waste Management	weekly
TRENTON	Municipal Crew	weekly
VANBUREN TWP	Waste Management	weekly
WAYNE	Painter & Ruthenberg	weekly
WESTLAND	Painter & Ruthenberg	weekly
WOODHAVEN	Waste Management	weekly
WYANDOTTE	Waste Management	weekly

TABLE 14
MUNICIPAL HOUSEHOLD HAZARDOUS WASTE COLLECTION SERVICES

MUNICIPALITY	HHW COLLECTION FACILITATOR	HHW COLLECTION FREQUENCY
ALLEN PARK	Riverview Land Preserve	annually
BELLEVILLE	n/a	n/a
BROWNSTOWN TWP	Riverview Land Preserve	annually
CANTON TWP	Sauk Trail Hills	annually
DEARBORN	City of Dearborn	annually
DEARBORN HEIGHTS	CWCSA	annually
DETROIT	City Environmental	scheduled appointments and events
ECORSE	n/a	n/a
FLAT ROCK	City Environmental	twice per year
GARDEN CITY	CWCSA	annually
GIBRALTAR	n/a	n/a
GROSSE ILE	n/a	n/a
GROSSE POINTE	Tringali Sanitation	rotates*
GROSSE POINTE FARMS	Tringali Sanitation	rotates*
GROSSE POINTE PARK	Tringali Sanitation	rotates*
GROSSE POINTE SHORES	Tringali Sanitation	rotates*
GROSSE POINTE WOODS	Waste Management	twice per year
HAMTRAMCK	n/a	n/a
HARPER WOODS	Tringali Sanitation	rotates*
HIGHLAND PARK	n/a	n/a
HURON TWP	n/a	n/a
INKSTER	CWCSA	annually
LINCOLN PARK	n/a	n/a
LIVONIA	Waste Management	annually
MELVINDALE	Riverview Land Preserve	annually
NORTHVILLE	Painter & Ruthenberg	annually
NORTHVILLE TWP	Painter & Ruthenberg	annually
PLYMOUTH	n/a	n/a
PLYMOUTH TWP	Waste Management	annually
REDFORD TWP	City Environmental	scheduled appointments and events
RIVER ROUGE	n/a	n/a
RIVERVIEW	Riverview Land Preserve	annually
ROCKWOOD	n/a	n/a
ROMULUS	n/a	n/a
SOUTHGATE	Riverview Land Preserve	annually
SUMPTER TWP	n/a	n/a
TAYLOR	Midwestern Sanitation	annually
TRENTON	Riverview Land Preserve	twice per year
VANBUREN TWP	n/a	n/a
WAYNE	CWCSA	annually
WESTLAND	CWCSA	annually
WOODHAVEN	Riverview Land Preserve	annually
WYANDOTTE	Riverview Land Preserve	annually

* Rotates annually between the Pointes and Harper Woods

n/a=not applicable

Identification of Resource Recovery Management Entities

Wayne County encourages a multi-faceted approach to resource recovery throughout the County. Public, private, and non-profit agencies all play a role in resource recovery programs.

The Wayne County Department of Environment's Land Resource Management Division (LRMD) manages the public outreach and education for recycling, composting and other resource recovery programs such as the mercury reduction program discussed on pages 51-52 of this Plan. The LRMD also manages the office paper recycling program for the Wayne County government offices.

The cities and/or townships within Wayne County manage their respective recycling and composting programs. Recycling programs, either curbside pickup or recycling drop-off centers, are available in 41 of the 43 communities. Additionally, yard clippings are picked up at curbside in 37 communities.

PROJECTED DIVERSION RATES

The following Table 15 estimates the annual amount of solid waste which is expected to be diverted from landfills and incinerators as a result of the current resource recovery programs and in five and ten years. Data for 1998 and 1999 were obtained from the annual Municipality Waste Stream reports submitted to the Land Resource Management Division. Projected rates for 2000, 2005, and 2010 were formulated using a SEMCOG population study, and calculating pounds per person per day, with an increase above 1999 rates of 2%, 7%, and 12% respectively. Specific populations from the SEMCOG study can be found in Table 10 on page 30. While the Table 15 recycling rates may not appear to be increasing at the rates stated, this is a result of a projected decrease in population for Wayne County.

TABLE 15
PROJECTED DIVERSION TOTALS THROUGH RECYCLING RESIDENTIAL WASTE

Collected Material	Annual Tons Diverted*			
	1999	2000	2005	2010
TOTAL PLASTICS:	33,421	33,640	34,761	35,984
NEWSPAPER:	46,227	46,166	47,724	49,224
CORRUGATED CONTAINERS:	1002	787	824	864
TOTAL OTHER PAPER:	969	786	822	860
TOTAL GLASS:	44,997	44,991	46,505	48,154
TOTAL METAL:	41,839	41,871	43,268	44,801
Total Material:	168,455	168,241	173,904	179,887

*2000, 2005, 2010 are increased 1999 rates by 2%, 7%, and 12% respectively, and is based on current/projected populations in Wayne County.

Educational and Informational Programs

Wayne County provides a variety of educational and informational programs regarding the various components of the solid waste management system. These programs are offered to provide communication that results in the proper handling of solid waste and to provide assistance with the various entities who participate in such programs as waste reduction and waste recovery. These programs are of fundamental importance to the success of the Plan.

Recycling: The Wayne County D.O.E. Land Resource Management Division (LRMD) provides educational and informational material to the general public, school groups, and businesses and industry within Wayne County. This is accomplished through exhibits at pertinent community events, presentations to local schools, and with informational packets such as flyers and brochures. In addition, LRMD provides information and support to local business and industry intending to start recycling programs. LRMD is involved in promoting recycling through the Wayne County (www.waynecounty.com) and D.O.E. (www.wcdoe.org) web sites and through traditional delivery mediums. LRMD also participates in state and/or national recycling events such as the annual America Recycles Day campaign.

LRMD is also planning to introduce a program that provides awards and public recognition for Wayne County businesses and industry that achieve measurable recycling goals.

An office paper-recycling program for all Wayne County Government buildings is in place and will be expanded by the LRMD to continue and encourage further recycling efforts.

Composting: The Wayne County D.O.E. LRMD provides an educational program for backyard composting by offering the Master Composting Course twice per year, in spring and fall. The course is an opportunity for Wayne County citizens to take a six-week, one evening per week class with a final exam. Upon completion of the final exam and a minimum of eight hours of volunteer work related to composting, each participant receives a certificate as a Master Composter.

Other informational material that encourages backyard composting and grass-cycling is available through the LRMD. In addition, LRMD takes part in local community events via exhibits and demonstrations outlining the benefits of composting.

Household Hazardous Waste: The Wayne County D.O.E. LRMD provides information to all Wayne County residents who request methods and locations for proper disposal of household hazardous waste. This is done via phone and through informational materials such as flyers and brochures. In addition, the LRMD promotes awareness and participation in local community household hazardous waste collection events. For information regarding the proper disposal of household hazardous waste, contact the LRMD at 734-326-3936. Additionally, the D.O.E. maintains a 24-Hour Hotline number for emergencies and for directing inquiries to the proper D.O.E. Division. The Hotline number is 1-888-223-2363.

Most of the 43 municipalities within Wayne County inform their citizens of upcoming Household Hazardous Waste events via a community newsletter, local newspaper notice, or local cable.

Resource Conservation: The Wayne County D.O.E. co-sponsors and participates in the annual Great Lakes Region Waste Reduction and Energy Efficiency Workshop. Additionally, the LRMD conducts public outreach throughout Wayne County to promote waste reduction and pollution prevention.

Wayne County D.O.E. LRMD is developing an on-line materials exchange program for the businesses and citizens of Wayne County. The materials will include both commercial and household items that might otherwise be discarded and landfilled.

Mercury Reduction: The LRMD, in coordination with the D.O.E.'s overall mercury reduction effort, is working to prevent improper disposal of mercury-containing waste. This program will encourage the communities that offer HHW programs to include mercury-containing items in their collections (ie. thermometers, thermostats, batteries, etc.); identify locations of mercury recycling facilities; provide to communities, in the form of pamphlets, information about mercury such as what to do in the case of a spill, and the location of mercury drop-off sites. LRMD will also work with local merchants to coordinate thermometer and thermostat drop-off points and/or exchanges and will provide additional information to citizens and businesses on the selection of non-mercury containing items.

The communities within Wayne County provide recycling and information to their citizens in the form of newsletters and cable television announcements. Most communities also hold annual household hazardous waste collections for their residents.

Timetable for Selected System Implementation

This timetable is a guideline to implement new components of the Selected System. The Timeline gives a range of time in which the component will be implemented such as "2000-2002" or "On-going." The timeline may be adjusted at a later date, if necessary.

TABLE 16

Management Components	Timeline
Implement Import Authorization	2001
Implement Export Authorization	2001
Data tracking to assess solid waste program performance including flow, collection, and transportation.	Quarterly/Annually/On-going
Initiate Education and Information Programs	2000-2002
Perform Public Education and Information Outreach	On-going
Resource Conservation Tracking (ie. waste reduction, recycling, & composting)	On-going

Facility Inclusion Process

All solid waste facilities located in Wayne County and regulated under Act 451 PA, 1994 Part 115 must be included within Wayne County's Solid Waste Management Plan. The following process is to be utilized for including facilities into the Plan.

Authorized Disposal Area Types
By the authorization of this plan, solid waste facilities may only be included in the plan if they meet the requirements set forth in the following Facility Inclusion Process. This process will be used for all solid waste facilities regulated under P.A. 451, Part 115 including license-exempt facilities.

Siting Criteria and Process
Wayne County has, in this plan, demonstrated well in excess of 10 years of currently sited disposal capacity. As a result, a formal State mandated siting criteria is not required and therefore will not be included in this plan.

In the event Wayne County drops below the 10 year disposal capacity, a siting mechanism in compliance with the requirements of Part 115 will be developed and included in the plan through the plan amendment process. This will occur before mandatory siting is required (having less than 66 months disposal capacity).

Wayne County has successfully sited more landfills than any other County in the State of Michigan through its Host Community Agreement siting process. This process has provided all of the disposal capacity available in Wayne County today. The continued use of this process has been authorized by the MDEQ until Wayne County's disposal capacity is reduced and a mandatory siting process is required. This plan amendment will therefore continue to allow new or expanded facilities to be included in the plan based on this process.

Solid Waste Disposal <u>Facility Inclusion Process</u> – (Host Community Approval)
During the term of this plan, or until a mandatory siting process is required by law, new or expanded solid waste disposal facilities must be included into the Plan through the Facility Inclusion Process. This process will operate under the direction of the nine member Facility Inclusion Committee (FIC). If formal action is taken at any FIC meeting, two thirds of the (9) committee members must be present. Approval of a proposal for inclusion into the Plan will require an affirmative vote by five committee members. The process for including facilities into the Plan will require the following conditions to be met:

1. The applicant requests an advisory analysis for the site from the Land Resource Management Division (LRMD) of Wayne County's Department of Environment. Once the advisory analysis is completed, copies will be sent to the applicant, the Host Community, and to potentially affected parties (a potentially affected party for these purposes will be any municipality (ies), residences, and businesses within ½ mile of the proposed facility).

2. Upon receipt of the advisory analysis, the applicant shall complete negotiations with the Host Community.

3. The applicant shall submit a request to Wayne County LRMD requesting inclusion in the SWMP including a detailed description of the facility and provide a draft of the Host Community Agreement.

4. After receipt of the request for inclusion, staff of the LRMD will notify the Host Community and potentially affected parties to inform them of the request for inclusion. The municipality (ies) will be provided a copy of the application. Residences and businesses will be notified of a location that the application can be reviewed. The potentially affected parties will then have 30 days in which to provide written notification to the Facility Inclusion Committee (FIC) detailing any concerns they have regarding the proposed facility. They will also be informed of their right to attend the FIC meeting.

5. Two weeks after the FIC has received the potentially affected parties' concerns, a meeting will be held with the applicant, host community and potentially affected parties. The purpose of this meeting will be to allow the FIC to hear and ask questions about the proposal and to hear comments from the potentially affected party (ies). If, prior to the close of the meeting, the FIC determines that they need more time to fully understand the issues of the proposal, they may schedule a subsequent meeting and may request additional information from the applicant or from staff of Wayne County. This meeting, if needed, must be held within two weeks from the date of the original meeting. At the conclusion of the FIC meeting (either the initial or subsequent meeting if needed) the FIC will recommend inclusion of the facility into the Plan, or will provide a list of issues to the applicant that must be addressed to assure the concerns of Wayne County and/or the potentially affected parties are reasonably addressed.

6. The applicant and the host community will be responsible for addressing the issues identified by the FIC and modifying the proposal and/or Host Community Agreement as necessary.

7. When the applicant believes they have adequately addressed the concerns identified by the FIC, they will request a new meeting and will submit a revised proposal and Host Community Agreement to Wayne County LRMD. If this step is not completed within 9 months, the application will be considered new and the process will revert to step number 3.

8. After receipt of the revised proposal, staff of the LRMD will notify the Host Community and potentially affected parties of the revisions. Copies of this information will be forwarded to the affected municipalities. The previously notified residences and businesses will be notified and provided with a location that the revised application can be reviewed. The potentially affected parties will then have 30 days in which to provide written notification to the FIC detailing any concerns regarding the revised proposal.

9. A meeting of the FIC will be scheduled within two weeks after receipt of the comments from the potentially affected parties to allow a review of the new information and to consider any remaining comments. The applicant, the Host Community, and the potentially affected parties will be notified of the hearing date. At the end of the meeting the FIC will either determine that their concerns have been reasonably addressed and recommend inclusion of the facility, or will reject the application. If the application is rejected, the applicant may restart the process at step number 3 when appropriate changes have been made.

FACILITY INCLUSION COMMITTEE

It will be the responsibility of the Facility Inclusion Committee (FIC) to make decisions regarding the location of facilities within the County. The nine (9) FIC members are from the following organizations.

Two, non-solid waste industry members of the Solid Waste Planning/Implementation Committee;

Downriver Community Conference;

Conference of Western Wayne;

Greater Detroit Resource Recovery Authority;

Central Wayne County Sanitation Authority;

Director, Wayne County Department of Environment, or designee;

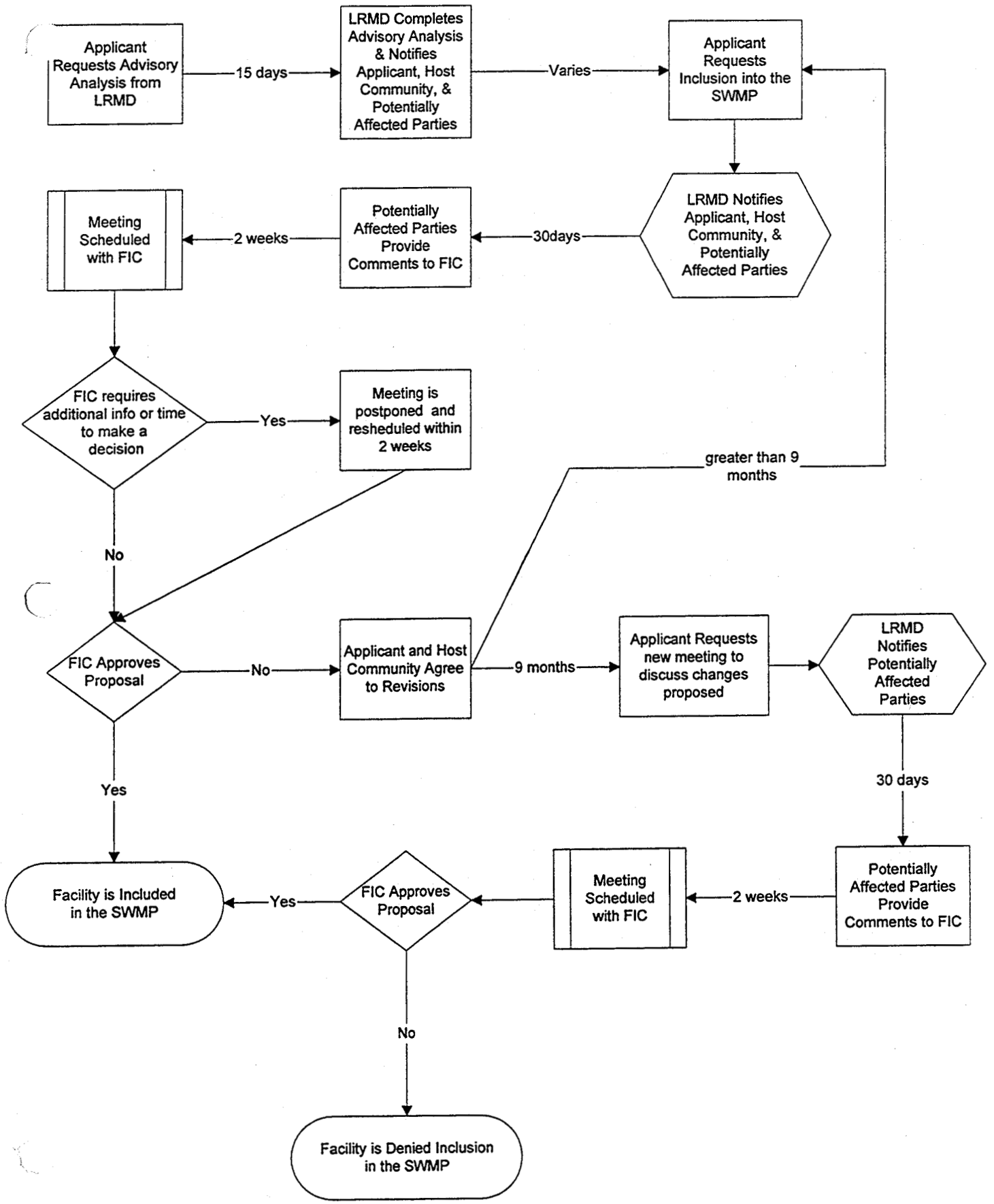
Director, Wayne County Department of Public Services, or designee; and

Director, Wayne County Department of Jobs and Economic Development, or designee.

The responsibilities of the FIC members will be to evaluate all proposals brought before them utilizing the following guidelines:

- All proposals shall have a Host Community Agreement that has been formally adopted by the local community;
- The applicant shall have submitted a complete application, which addresses all the items identified in the FIC committee submittal requirement document;
- Concerns of potentially affected parties will be evaluated by the FIC and if determined to be reasonable must be addressed by the applicant before approval is granted;
- The proposal shall be evaluated to determine if it addresses an identified need in regards to one of the components of the "Selected Management System" identified in Section III of the Solid Waste Management Plan (i.e. additional airspace, better waste transferring capabilities, new waste processing or recycling capabilities).

Facility Inclusion Process Flow Chart



Solid Waste Management Components

The Wayne County Executive and the Wayne County Commission have the ultimate responsibility for solid waste planning, implementation, and enforcement. These responsibilities are executed through the Wayne County Department of Environment, Land Resource Management Division.

Wayne County receives support for solid waste planning and management activities through the collection of tipping fees from the Type II landfills which is described in the Comprehensive User Fees Ordinance No. 95-456 (see Appendix F). The Land Resource Management Division, in conjunction with the Michigan Department of Environmental Quality, assumes responsibility for enforcing the environmental laws of the county and state. Specifically, Wayne County enforces the Wayne County Solid Waste Ordinance No 2000-654 (found in Appendix G) and Part 115 of Michigan's Natural Resources and Environmental Protection Act, P.A. 451 as amended.

The Land Resource Management Division employs solid waste inspectors, solid waste planners, an engineer, and a geologist whose technical capabilities are vital to solid waste management practices. The solid waste inspectors are responsible for inspecting the solid waste facilities for operational compliance. The program engineer reviews facility design documents and criteria and makes recommendations to the MDEQ regarding licensure of the sites. The program geologist monitors various geological aspects including ground water quality. Finally, the solid waste planning staff are responsible for enforcing aspects of the Plan relating to waste stream reporting and public outreach involving the preferred solid waste hierarchy.

The existing management system has proven to be effective for Wayne County and is expected to continue to be effective in the long term for implementation of the Plan.

A representative of the Southeast Michigan Council of Government (SEMCOG) is a member on the Wayne County Solid Waste Implementation Committee (SWIC) and has taken part in the approval of this Plan and will continue to take part in its implementation. As the Designated Solid Waste Planning Agency, the Wayne County Department of Environment will be continually involved with the monitoring and enforcement of the Plan. The Department's Land Resource Management Division will continue to work, as necessary, with the D.O.E. Air Quality Management Division, the Wayne County Department of Jobs and Economic Development, and SEMCOG to coordinate efforts to that end.

Identification of Responsible Parties

Wayne County Executive and Commission: The Wayne County Executive and Commission, by adoption of this solid waste plan and by the authority to adopt a countywide solid waste ordinance, have ultimate responsibility for its implementation. The Executive and Commission subsequently authorize the Wayne County Department of Environment to implement and enforce the Plan.

Wayne County Department of Environment (D.O.E.): The Land Resource Management Division (LRMD) of the Wayne County D.O.E. is responsible for the administrative coordination and enforcement of the County Solid Waste Program. The LRMD collects and analyzes solid waste disposal data and provides educational outreach programs and information to citizens and businesses. In addition, the LRMD conducts regulatory inspections of solid waste facilities and conducts complaint investigations.

Municipal Governments: The Plan promotes collaboration and partnerships with municipal governments. Wayne County and local governments share the plan objectives and work together to achieve success. The cities and townships, either individually or working together, may assume a financing, procurement, regulatory, and administrative role in arranging solid waste management services for their jurisdictions to comply with the Plan.

Waste Generators: All waste generators (residential, commercial, and industrial) will be encouraged to practice any or all of the following: separation of recyclables and compostables from mixed waste; arranging for transportation of recyclable/compostable materials to processing facilities for marketing; purchasing of goods made from environmentally preferable products; reduction in the amounts and toxicity of waste generated. In addition, all waste generators will be required to eliminate illegal dumping of wastes; and provide safe landfill or waste-to-energy disposal of remaining waste.

Solid Waste Management Industry: Public and private haulers and disposal facilities will be used throughout the County for materials collection, transportation, processing, and disposal. Annual and quarterly reports detailing service areas, quantities and types of materials collected are required to be submitted to the LRMD.

State of Michigan: The State of Michigan, through the Solid Waste Management Unit of the Department of Environmental Quality (MDEQ), is involved in the planning, implementation, and enforcement of the Wayne County Solid Waste Management Plan.

Resource Conservation:	**Responsible Parties**
Source or Waste Reduction	DOE-LRMD, local communities, waste generators
Product Reuse	DOE-LRMD, local communities, waste generators
Reduced Material Volume	DOE-LRMD, local communities, waste generators
Increased Product Lifetime	DOE-LRMD, local communities, waste generators
Decreased Consumption	DOE-LRMD, local communities, waste generators
Resource Recovery Programs:	
Composting	Public and private haulers and processors, DOE-LRMD
Recycling	Public and private haulers and processors, DOE-LRMD
Energy Production	Public and private landfill owners/operators, DOE-LRMD
Volume Reduction Techniques:	DOE-LRMD, local communities, waste generators, waste industry
Collection Processes:	Public and private haulers and processors
Transportation:	Public and private haulers and processors, waste generators, Municipal governments
Disposal Areas:	
Processing Plants	Public and private owners/operators, DOE-LRMD, MDEQ
Incinerators	Public and private owners/operators, DOE-LRMD, MDEQ
Transfer Stations	Public and private owners/operators, DOE-LRMD, MDEQ
Sanitary Landfills	Public and private owners/operators, DOE-LRMD, MDEQ
Ultimate Disposal Area Uses:	MDEQ, DOE-LRMD, Public and private owners/operators
Local Responsibility for Plan Update Monitoring & Enforcement:	DOE-LRMD
Educational and Informational Programs:	DOE-LRMD, local communities, waste generators

Documentation of acceptance of responsibilities is contained in Appendix M.

Local Ordinances and Regulations Affecting Solid Waste Disposal

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

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

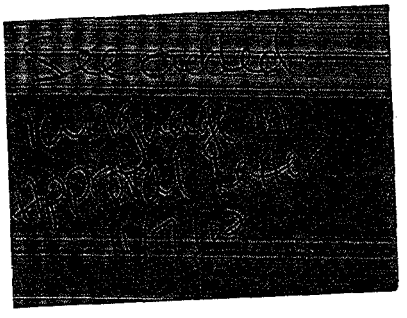
___ *2. This plan recognizes and incorporates as enforceable the following specific provisions based on zoning ordinances:*

___ *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.*

Wayne County explicitly includes the following ordinance within its Solid Waste Management Plan:

> Wayne County Solid Waste Ordinance: enables the County to protect the public health and land, air, water, and other natural resources; to supplement provisions of Part 115 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and its Administrative Rules; to regulate specified solid waste management practices; to control the operations of solid waste facilities and prevent any adverse off-site effects of operation; to provide an enforceable mechanism for implementation of the Wayne County Solid Waste Plan; to prescribe the powers and duties of agencies; to provide for appeals; and to provide for penalties and remedies. (A copy of the ordinance can be found in Appendix G).

This Plan specifically requires that solid waste disposal facilities enter into a Host Community Agreement prior to seeking inclusion. The negotiation of these types of agreements allows host communities the opportunity to resolve all local ordinance issues. Wayne 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 and the requirements have been incorporated into the Host Community Agreement.



IV

CAPACITY CERTIFICATIONS

Every county with less than ten years of capacity identified in their Solid Waste Management Plan is required to annually prepare and submit to the MDEQ 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.

Wayne County currently has 10 active landfills, which accepted over 12 million cubic yards of waste for disposal in 1999. The table below identifies these facilities, their annual disposal volume in 1999 and their remaining capacity based on approved design.

	1999 Data			
Site	**Current Airspace (bcy)**	**Remaining Life (years)**	**Disposal vol (gcy).**	**Volume converted to (bcy)**
Allen Park Clay Mine	1,823,870	4	408,191	408,191
Carleton Farms-MSW	63,390,000	67	1,899,955	949,978
Countywide	3,800,000	15	250,000*	250,000
Huron Quarry	578,840	11	54,750*	54,750
Levy	2,721,500	9	318,671	318,671
Livonia	178,207	17	10,761	10,761
Riverview	13,380,000	19	1,374,648	687,324
Sauk Trails	23,637,817	12	4,088,532	2,044,266
Sibley Quarry	15,000,000	60	250,000	
Woodland Meadows	22,544,000	12	3,806,322	1,903,161
Totals used for calculations	**131,876,027**			**6,627,102**

131,876,027 bcy ÷ 6,627,102 bcy/yr = 19.9 years

The total remaining life of Wayne County's landfills is **approximately 20 years**** based on the disposal capacities and utilization rates identified in 1999.

* These values have been estimated for purposes of calculating a remaining life since neither facility was accepting waste in 1999.

** To determine this value, the current airspace available was totaled for all landfills, which is in bank cubic yards, and was divided by the total disposal volume converted into bank cubic yards. Since two different waste types were combined, two different conversion factors to convert gate cubic yards (gcy) into bank cubic yards (bcy) were utilized. For simplicity a consistent conversion for type II waste at 2 gcy = 1 bcy and for type III landfills at 1 gcy = 1 bcy was assumed. This provides a conservative estimate since at most facilities, the conversion will generally be greater. The availability of this airspace to be used if other facilities were to close, was also evaluated. In developing the available life for Wayne County's solid waste landfills, the volume available at Sibley Quarry was not included since this is a very specialized landfill that generally would not be acceptable for waste other than coal ash and would have artificially inflated the remaining life.