STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

March 18, 2013

Mr. Skip Dyes, Chair
Cass County Board of Commissioners
120 North Broadway Street, Suite 116
Cassopolis, Michigan 49031

Dear Mr. Dyes:

The locally approved amendment to the Cass County Solid Waste Management Plan (Plan Amendment) received by the Department of Environmental Quality (DEQ) on December 6, 2012, is hereby approved.

The Plan Amendment creates the following changes:

- Adds Michiana Recycling and Disposal as a "Type A Transfer Station/Solid Waste Processing/Material Recycling Facility" to the facility descriptions and solid waste disposal areas inventory.
- Revises the Reliable Disposal Inc. facility type to "Solid Waste Processing/Material Recycling Facility" in the solid waste disposal areas inventory.
- Identifies Michiana Recycling and Disposal as automatically consistent with and included in the plan as a "Type A Transfer/Solid Waste Processing/Material Recovery Facility."

The DEQ would like to thank Cass County for its efforts in addressing its solid waste management issues. If you have any questions, please contact Ms. Rhonda S. Oyer, Chief, Sustainable Materials Management Unit, Solid Waste Section, Office of Waste Management and Radiological Protection, at 517-373-4750; oyerr@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Elizabeth M. Browne

Elizabeth M. Browne, Chief
Office of Waste Management and
Radiological Protection
517-373-9523

cc: Senator John Proos
Representative Matt Lori
Representative David Pagel
Ms. Jackie Taylor, Cass County
Mr. Dan Wyant, Director, DEQ
Mr. Jim Sygo, Deputy Director, DEQ
Ms. Maggie Datema, Legislative Affairs, DEQ
Mr. Fred Sellers, DEQ
Ms. Rhonda S. Oyer, DEQ
Mr. Steve Sliver/Ms. Christina Miller, DEQ\Cass County File

Cass County

2012 Solid Waste Management Plan Amendment

As proposed by the Solid Waste Planning Committee

April 2, 2012

- Section II-6 FACILITY DESCRIPTIONS OF DISPOSAL AREAS UTILIZED BY CASS COUNTY
    - Add Michiana Recycling and Disposal Company Type A Transfer Station / Solid Waste Processing / Material Recycling Facility to inventory of facility descriptions of disposal areas.

    - Revise the Reliable Disposal Inc. facility "Type" by adding , "Solid Waste Processing/Material Recycling Facility," in the inventory

      Please see attached amended page II-9

- Section III-5 SOLID WASTE DISPOSAL AREAS
    - Add Solid Waste Processing Facility
      Michiana Recycling and Disposal Company
      Reliable Disposal Inc.

      Please see attached amended page III - 5

- Section III-6 FACILITY DESCRIPTIONS
    - Add Michiana Recycling and Disposal Company

      Please see attached amended page III - 6

    - Revise the Reliable Disposal Inc. facility "Type" by adding , "Solid Waste Processing/Material Recycling Facility," in the inventory

      Please see attached amended page III-12

Facility Name: Reliable Disposal Inc.
Facility Type: Solid Waste Transfer Station/ Solid waste processing / Material Recycling Facility
County: Berrien **Location: Town:** 5S **Range:** 19W **Section:** 33
Owner: Reliable Disposal, Inc. (private)
Final Disposal Area: Forest Lawn, SE Berrien County, Orchard Hills
Operating Status: Open, licensed
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition, Contaminated Soils
Site Size:
Total area of facility property: 5 acres
Total area of sited for use: 5 acres
Total area permitted: N/A
Current capacity: N/A
Estimated Lifetime: N/A
Estimated days open per year: N/A
Estimated yearly disposal volume: N/A
Annual energy production:
Landfill gas recovery projects: N/A
Waste-to-energy incinerators: N/A

Facility Name: Michiana Recycling and Disposal Services
Facility Type: Solid Waste Transfer Station / Solid waste processing / Material Recycling Facility
County: Cass **Location: Town: 7S Range: 16W Section: 31**
Owner: Michiana Recycling and Disposal Company
Final Disposal Area: South East Berrien County, Westside Recycling and Disposal Facility
Operating Status: Open, licensed
Waste Types Received: Residential, Commercial, Industrial MSW, Construction & Demolition, Yard Waste, Concrete, Wood
Site Size:
Total area of facility property: 10 acres
Total area of sited for use: 10 acres
Total area permitted: N/A
Estimated Lifetime: N/A
Estimated days open per year: 300 plus Days
Estimated yearly disposal volume: N/A
Annual energy production:
Landfill gas recovery projects: N/A
Waste-to-energy incinerators: N/A

SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages III-6 through III-12 contain descriptions of the solid waste disposal facilities which are located within the County and the disposal facilities located outside of the County which will be utilized by Cass County for the planning period. Additional facilities within the County with applicable permits and licenses may be utilized as they are sited by this Plan, or amended into this Plan, and become available for disposal. If this Plan update is amended to identify additional facilities in other counties outside the County, those facilities may only be used if such import is authorized in the receiving County's Plan. Facilities outside of Michigan may also be used if legally available for such use.

Type II Landfill:
Arbor Hills Landfill
Autumn Hills RDF
C&C Landfill
City Environmental Services Landfill Inc.
Forest Lawn Landfill
Northern Oaks RDF
Orchard Hills Landfill
Ottawa County Farms Landfill
Pitsch Landfill
Sauk Trial Hills
Southeast Berrien County Landfill
Westside Recycling and Disposal Facility
Vienna Junction Landfill
Woodland Meadows RDF

Type III Landfill:
Westside Recycling and Disposal Facility

Landfills Located in Indiana:
Earth Movers Landfill
Elkhart County Landfill
Deercroft RDF
National Serv-All

Type A Transfer Facility:
Cork Street Transfer Station
Waste Mgt. of MI – Western Transfer Station
Michiana Recycling and Disposal
Reliable Disposal, Inc.

Solid Waste Processing Facility
**Michiana Recycling and Disposal Services
Reliable Disposal, Inc.

Type B Transfer Facility:

**Michiana Recycling and Disposal Services is deemed automatically consistent with and included in the plan as a Type A Transfer / Solid Waste Processing / Material Recovery facility.

Letters from or agreements with the listed disposal areas owners/operators stating their facility capacity and willingness to accept the County's solid waste are in the Attachments Section.

FACILITY DESCRIPTIONS

Cass County intends to continue to use the facilities listed in Section II for disposal. See Section II (pages II-6 through II-9) for facility descriptions of the following disposal areas:
Deercroft Recycling and Disposal Facility
Earth Movers Landfill
Elkhart County Landfill
Forest Lawn Landfill
Michiana Recycling and Disposal Services
Reliable Disposal Inc.
Southeast Berrien County Landfill
Westside Recycling and Disposal Facility

Facility Name: Arbor Hills Landfill
Facility Type: Type II Solid Waste Landfill
County: Washtenaw, Salem Township
Owner: BFI Waste Systems of North America, Inc. (private)
Operating Status: Open
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (non-hazardous solid & semi-solid wastes, no hazardous or liquid wastes)
Site Size:
Total Area of facility property: 936 acres
Total area sited for use: 356 acres
Total area permitted: 217 acres
Operating: 113 acres
Not excavated: 104 acres
Current Capacity: 30,500,00 yds3 airspace or 61.5 million yd3 capacity
Estimated lifetime: 176 years
Estimated days open per year: 265
Estimated yearly disposal volume: 3,500,000 yd3
Annual energy production:
Landfill gas recovery projects: 18 megawatts
Waste-to-energy incinerators: N/A

Cass County
County Administrator

To: Solid Waste Management Unit
Solid Waste Program Division
Waste Management Division
Department of Environmental Quality
P.O. Box 30241
Lansing, MI 48909

From: Jackie Taylor, Administrative Specialist
Commissioner Carl Higley, Chair, Solid Waste Planning Committee

Enclosed are the documents needed for approval of the amendment to our Solid Waste Plan. If you have any questions or if there is something that we failed to include please call Jackie at 269-445-4421 or e-mail jackiet@cassco.org. You can contact commissioner Higley at 269-663-2265.

Please notify us as soon as a decision is made. Thank you.

120 N. Broadway, Suite 116 ◊ Cassopolis, MI 49031 ◊ Telephone (269) 445-4420 ◊ Fax (269) 445-8978

AFFP
Public Hearing NoticeThe Cass

Affidavit of Publication

STATE OF MICHIGAN }
COUNTY OF CASS } SS

Donna Knight, being duly sworn, says:

That she is Classified Manager of the Dowagiac Daily News, a daily newspaper of general circulation, printed and published in , Cass County, Michigan; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

May 22, 2012

That said newspaper was regularly issued and circulated on those dates.
SIGNED:

Donna Knight
Classified Manager

Subscribed to and sworn to me this 22nd day of May 2012.

Rhonda Rauen
Rhonda Rauen, Notary Public, Berrien County, MI

My commission expires: September 20, 2014

a0109395 00006360 05

Tara Myer
Cass County Board of Commissioners
120 N. Broadway Suite 217
Cassopolis, MI 49031

Public Hearing Notice

The Cass County Board of Commissioners will hold a public hearing on the Amendment to the Cass County Solid Waste Plan on June 21, 2012 at 7:15 p.m. in the Commission Chambers, Cass County Building, 120 N. Broadway, Cassopolis, Michigan.

The public is invited to present oral and written comments at that time.

The Amendment is available for anyone interested in viewing it in the Cass County Administrators Office, 120 N. Broadway, Suite 116 Cassopolis, Michigan.

Minnie Warren, Chairperson

Posted 05/17/12

Timeline for Solid Waste Amendment

2-27-12	Meeting held by the Cass County Solid Waste Committee – Solid Waste Plan Amendment presented by Henry Valkema (Michiana Recycling)
3-20-12	Notification letter sent to all municipalities in regards to upcoming mailing of amendment
3-23-12	Mailing of amendment to all municipalities
4-2-12	Meeting of Solid Waste Planning Commission
4-3-12	Amendment mailed out again for 90 day consideration
5-22-12	Notice of Public Hearing published in newspaper
6-21-12	Public Hearing on proposed amendment
7-10-12	Meeting held by Solid Waste Committee
7-19-12	Board of Commissioners approved amendment being sent to State

SOLID WASTE PLANNING COMMITTEE

2-Year Terms Meet as necessary

Tommy Harman	6/1/14 (a)
Henry Valkema	6/1/13 (a)
Eric Shaffer	6/1/14 (a)
Katie Harman	6/1/13 (a)
Roger Bowser	6/1/13(b)
Bill Westrate	6/1/13 (c)
Mike Laufer	6/1/14 (c)
Carl Higley	6/1/13 (d)
Irving Frost, Jr.	6/1/14 (e)
Larry Shaw	6/1/14 (f)
Jim Snow	6/1/13 (g)
Richard J. Accoe	6/1/14 (h)
Vacant	6/1/12 (h)
Vacant	6/1/12 (h)

3 members

Appointed by BOC as follows:

(a) Four solid waste industry representatives
(b) One industrial waste generator representative
(c) Two representatives from environmental interest groups
(d) One representative from County government
(e) One representative from Township government
(f) One representative from City government
(g) One representative from the regional planning agency
(h) Three ~~representative from the general public~~

SOUTHWEST MICHIGAN COMMUNITY ACTION AGENCY

1-Year Term 3rd Wednesday, 6:30 P.M.

Clark Cobb	12/31/12
Minnie Warren	12/31/12

SOUTHWEST MICHIGAN PLANNING COMMISSION

3-Year Term for citizen member 4th Tuesday, Jan., Apr., Jul., and Oct., 9:30 A.M.

Robert Ziliak (chair appoint)	12/31/12 Commissioner (two-year term)
Johnie Rodebush (chair appoint)	12/31/12 Commissioner (two-year term)
Robert Powers	12/31/12 Citizen (three-year term)
Barb Cook	12/31/12 Planning Commission Member (three-year term)
Joe Silvia	12/31/12 Citizen (three-year term)
Jim Sayer	12/31/13 Citizen (three-year term)

Cass County
Board of Commissioners

There will be a meeting of the Cass County Solid Waste Planning Commission on Monday, February 27, 2012 at 4:00 p.m. in the Kincheloe Room of the Cass County Building, 120 N. Broadway, Cassopolis, Michigan.

120 N. Broadway, Suite 116 ◊ Cassopolis, MI 49031 ◊ Telephone (269) 445-4420 ◊ Fax (269) 445-8978

Solid Waste Planning Committee
Minutes of February 27, 2012

Members present: Carl Higley, Roger, Bowser, Henry Valkema, Bill Westrate, Irving Frost, Tommy Harman and Katie Harman.

Mr. Valkema explained the changes in our Solid Waste Plan at State.

A motion was made by Mr. Bowser to approve the Solid Waste amendment plan as proposed by Cass County Solid Waste Planning Commission. Seconded by Mr. Frost and motion carried.

Respectfully submitted,

Carl Higley

Carl Higley

Cass County
Board of Commissioners

REGULAR MEETING OF THE
CASS COUNTY BOARD OF COMMISSIONERS
Cass County Road Commission
Conference Room
340 North O'Keefe Commission Chambers
July 19, 2012

6:00 P.M. Tour of Maintenance Building at Lawless Park

7:00 P.M. – CALL TO ORDER – *Chairperson Warren – please turn off cell phones*

INVOCATION – *Commissioner*

PLEDGE OF ALLEGIANCE TO THE FLAG – *Commissioner*

ROLL CALL – *Clerk-Register Barb Runyon*

INTRODUCTION OF VISITORS – *Chairperson Warren*

APPROVAL OF THE AGENDA – *Commissioner*

PRESENTATION – *Tom Deneau and Alan Smaka, Wightman & Associates – Cedar Lake Project*

PRESENTATION – *Commissioner Ziliak, Household Hazardous Waste and Recycle Event*

PUBLIC COMMENT

APPROVAL OF MINUTES – July 5, regular meeting – *Commissioner*

COMMITTEE REPORTS

UNFINISHED BUSINESS

NEW BUSINESS

To approve claims – **M- -12** – *Commissioner Higley*

Resolution – Cedar Lake Project - **R- -12** – *Commissioner Wagel*

To approve forwarding Solid Waste Plan Amendment - **M- -12** – *Commissioner Higley*

Resolution - Interim Administrator/Controller contract - **R- -12** – *Commissioner Francis*

To approve appointments and reappointments - **R- -12** – *Commissioner*

BOARD MEMBER COMMENTS/ANNOUNCEMENTS

ADJOURNMENT

CALENDAR-

Regular Meeting, August 2, 2012, 7:00 p.m. – **held at Cass County Road Commission**
Regular Meeting, August 16, 2012, 7:00 p.m. – **held at Cass County Road Commission**

The Cass County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon one week's notice to the Cass County Administrator's Office. Individuals with disabilities requiring auxiliary aids or services should contact the County Administrator's Office by writing or calling: Cass County 120 N. Broadway, Suite 116, Cassopolis, MI 49031 269-445-4420.

2012-2089 Pages: 23
FILED Cass County, Michigan
Barbara Runyon, County Clerk
08/06/2012 10:08 AM
Receipt #68091 Fee $0.00 MIN

CASS COUNTY BOARD OF COMMISSIONERS MEETING
July 19, 2012

The County Board of Commissioners met in regular session Thursday, July 19, 2012 in the Board of Commissioner's Chambers.

Chairperson Minnie Warren called the meeting to order at 7:00 p.m. Commissioner Marchetti provided the Invocation. Commissioner Arnold led the Pledge of Allegiance to the Flag of the United States of America.

Chief Deputy Clerk/Register Monica Kennedy called roll:

COMMISSIONERS PRESENT: Robert Wagel; Edward Goodman; Cathy Goodenough; Skip Dyes; Gordon Bickel, Sr.; Charles Arnold; Roseann Marchetti; Carl Higley, Sr.; Ronald Francis; Dixie Ann File; E. Clark Cobb; Minnie Warren; Johnie Rodebush, Dale Lowe and Robert Ziliak.

COMMISSIONERS ABSENT: None.

STAFF PRESENT: Monica Kennedy, Chief Deputy Clerk/Register.

INTRODUCTION OF VISITORS

Visitors introduced themselves.

APPROVAL OF THE AGENDA

Commissioner Goodman moved, seconded by Commissioner Higley, to approve the July 19, 2012 Cass County Board of Commissioner's Amended Agenda. Motion carried by voice vote.

PRESENTATION

Tom Deneau and Alan Smaka of Wightman & Associates discussed the Cedar Lake Project.

PRESENTATION

Commissioner Ziliak presented on the Household Hazardous Waste and Recycle Event.

PUBLIC COMMENT

None.

APPROVAL OF MINUTES

Commissioner Lowe moved, seconded by Commissioner Marchetti, to approve the July 5, 2012 Board of Commissioner meeting minutes. Motion carried by voice vote.

COMMITTEE REPORTS

Commissioners File, Marchetti, Bickel, Ziliak and Francis provided committee reports.

ADMINISTRATOR'S REPORT

Interim County Administrator Louis Csokasy presented the Administrator's Report as well as the Proposed FY2013 Budget.

UNFINISHED BUSINESS

There was no unfinished business.

NEW BUSINESS

M-81-12

Commissioner Higley moved, seconded by Commissioner Goodman, to approve the claims dated 6/22/12 as submitted by the Claims Committee. Motion carried by voice vote.

R-82-12

Commissioner Wagel moved, seconded by Commissioner Higley, to approve the following resolution:

COUNTY OF CASS

STATE OF MICHIGAN

RESOLUTION TO ESTABLISH AND PROVIDE FOR
THE CASS COUNTY SEWAGE DISPOSAL SYSTEM
(LAKES AREA SEWER AUTHORITY SECTION - EXTENSION NO. 1)

WHEREAS, Act 185 of the Public Acts of Michigan of 1957, as amended ("Act 185") authorizes a county, acting through its Department of Public Works, upon the request of a local unit of government to acquire, improve, enlarge and extend sewage disposal systems and water supply systems in said local unit of government; and

WHEREAS, the County of Cass ("Cass County") has (a) established a Department of Public Works under the terms of Act 185 with authority to acquire, improve, enlarge, and extend sewage disposal systems and water supply system improvements for local units of government and (b) appointed a Board of Public Works in accordance with Act 185; and

WHEREAS, Cass County acting by and through its Board of Public Works, the County of Van Buren, Michigan ("Van Buren County"), acting by and through its Board of Public Works, the Township of Marcellus, a general law township located in Cass County ("Marcellus Township"), the Township of Porter, a general law township located in Van Buren County ("Porter Township"), the Township of Volinia, a general law township located in Cass County ("Volinia Township"), the Village of Marcellus, a general law village located in Cass County (the "Village"), and the Lakes Area Sewer Authority (the "Authority"), are parties to that certain Cass County Sewage Disposal System (Lakes Area Sewer Authority Section) Bond Contract dated as of August 1, 2008 (the "Contract") in accordance with the terms of which Cass County issued bonds pursuant to Act 185 to pay a portion of the costs of acquiring and constructing the Cass County Sewage Disposal System (Lakes Area Sewer Authority Section) (the "LASA System"), duly established by Cass County as a county sewage disposal system to serve areas adjacent to Gravel Lake in Porter Township, Fish Lake and Saddlebag Lake located in Marcellus Township, and Finch Lake located partially in Volinia Township and partially in Marcellus Township, and in addition, to serve the Village, which areas were together duly established by Cass County as a county sewage disposal district designated as the Cass County Sewage Disposal District (Lakes Area Sewer Authority Section) (the "LASA District"); and

WHEREAS, Volinia Township, Marcellus Township and Porter Township incorporated the Authority pursuant to Act 233 of the Public Acts of Michigan of 1955, as amended, to operate, maintain and administer the LASA System; and

WHEREAS, Porter Township, located in Van Buren County, in conjunction with the Authority, is proposing to extend the LASA System and the LASA District to serve areas adjacent to Cedar Lake in Porter Township (the "Project"); and

WHEREAS, the current pre-design estimate of cost of the Project is $3,120,000, with an additional pre-design estimate of cost of $1,320,000 to extend the LASA System and the LASA District to also serve areas adjacent to Pine and Hemlock Lakes in the Township of Marcellus located in Cass County (the "Marcellus Township Extension"); and

WHEREAS, Cass County has previously applied to United States Department of Agriculture/Rural Development ("USDA – Rural Development") for a low-interest loan and grant to fund the cost of the Project and the Marcellus Township Extension; and

WHEREAS, Porter Township, by resolution of its Township Board adopted on June 13, 2012, requested "the assistance of Cass County and Van Buren County with the acquisition, construction and financing of the Project by Cass County and Van Buren County, acting through their respective County Boards of Public Works, in accordance with Act 185 and to the extent practicable, the Township requests that the Project be coordinated and handled by Cass County and Van Buren County on behalf of the Township"; and

WHEREAS, the Authority, by resolution of its Commission adopted on June 25, 2012, made a similar request for assistance with the Project by Cass County and Van Buren County; and

WHEREAS, Wightman & Associates, Inc., as proposed Project engineer, has recommended that, as a matter of prudent utility planning, Cass County issue the necessary bonds in accordance with Act 185 for the Project, regardless of whether or not the Project is ultimately expanded to include the Marcellus Township Extension, because (1) the proposed Project is an extension of the current Cass County owned LASA System, (2) maintaining ownership of the LASA System and the extensions thereto (including the proposed Project) in a single-entity, e.g. Cass County, will simplify the related contracts and agreements, and (3) consistent with the USDA – Rural Development requirement that the USDA – Rural Development borrower own the sewer infrastructure to be financed, Cass County has applied for USDA – Rural Development loan and grant funding for the Project, thereby positioning Cass County to be the USDA – Rural Development borrower for the Project; and

WHEREAS, Section 8 of Act 185 authorizes a county operating under Act 185 to "acquire any part of a...sewage disposal system...in an adjoining county...upon the consent expressed by...resolution of the governing body of the municipality or municipalities in such adjoining county...in which such part of the system...is to be located..." and, accordingly, the acquisition and ownership of the Project by Cass County, to the extent the Project is located in Porter Township (Van Buren County), together with the issuance of bonds by Cass County for the Project , is subject to the consent and approval by Van Buren County in accordance with Act 185; and

WHEREAS, the Board of Public Works, having considered the proposed Project has recommended that the Cass County Board of Commissioners provide the requested assistance pursuant to Act 185 and adopt this resolution.

NOW, THEREFORE, BE IT HEREBY RESOLVED AS FOLLOWS:

1. The Board of Commissioners of Cass County, by a majority vote of its members-elect, hereby authorizes and directs that there be established under the provisions of Act 185 and other applicable state law, a county sanitary sewage disposal system to provide for the Project.

2. The county sewage disposal system shall be known as the "Cass County Sewage Disposal System (Lakes Area Sewer Authority Section - Extension No. 1)" and the area to be served thereby shall be known as the "Cass County Sewage Disposal District (Lakes Area Sewer Authority Section - Extension No. 1)."

3. The Board of Public Works is hereby directed to obtain and submit to this Board of Commissioners for approval, maps, plans, design specifications and estimates of cost for the Project as requested by Porter Township and the Authority in their resolutions addressed to Cass County and to negotiate and to submit to this Board of Commissioners for approval, one or more appropriate contracts with Porter Township, the Authority, the County of Van Buren, and, if applicable, Marcellus Township, with respect to the acquisition, construction and financing of the Project, which contracts shall be binding upon Cass County only upon subsequent approval by majority vote of the members-elect of the Board of Commissioners.

4. As requested by Porter Township and the Authority, Cass County and the Board of Public Works shall employ the following professional firms in connection with the Project:

As engineers:	Wightman & Associates, Inc. Benton Harbor, Michigan
As bond counsel:	Mika Meyers Beckett & Jones PLC Grand Rapids, Michigan
As financial advisor:	Bendzinski & Co. Municipal Finance Advisors Detroit, Michigan.

5. Cass County and the Board of Public Works shall cooperate with Porter Township and the Authority, so that there may be issued as promptly as possible, Cass County Bonds in one or more series in an amount sufficient to pay the cost of the Project, currently estimated in the amount of $3,120,000 or, if the Marcellus Township Extension is also included, $4,440,000. Said Bonds shall be retired solely out of payments to be made by Porter Township, and if applicable, Marcellus Township (with respect to the Marcellus Township Extension), to Cass County in amounts fully sufficient to meet all principal and interest requirements thereon. The full faith and credit of Cass County may be pledged, by subsequent resolution of the Board of Commissioners adopted by a 3/5 majority vote of its members-elect, as additional secondary security for the Bonds.

6. Porter Township in accordance with its resolution, shall reimburse Cass County and the Board of Public Works for all expenses incurred in connection with the Project, including all costs of Cass County associated with the authorization and issuance of the proposed bonds and any bond anticipation notes and all related county administrative fees and expenses in the event that the acquisition, construction and financing of the Project, for any reason, is not completed by Cass County.

7. To the extent required, Cass County shall serve on behalf of Porter Township, the Authority and, if applicable, Marcellus Township (with respect to the Marcellus Township Extension), as the applicant for the USDA - Rural Development loan and grant to fund the cost of the Project, and if applicable, the Marcellus Township Extension. The Chair of the Board of Public Works is hereby designated as the authorized representative of the County for the Project, and if applicable, the Marcellus Township Extension, in connection with the USDA - Rural Development loan and grant program and in such capacity is authorized and directed on behalf

of the County to complete and file with Rural Development all necessary applications and other documents required by the Rural Development loan and grant program for the Project, and if applicable, the Marcellus Township Extension, and all such filings made prior to the date of adoption of this resolution are hereby confirmed and ratified.

8. Notwithstanding the foregoing, the acquisition and financing of the Project, to the extent located in Porter Township (Van Buren County), is subject to the consent of Van Buren County in the manner required by Act 185.

9. All resolutions and parts of resolutions in conflict herewith shall be and the same are hereby rescinded.

Discussion followed.

The Chair instructed the Clerk to call roll:

Yes (15): Commissioners Wagel, Goodenough, Dyes, Bickel, Arnold, Marchetti, Higley, Francis, File, Cobb, Rodebush, Lowe, Ziliak, Goodman and Warren.

No (0): None.

Absent (0): None.

Resolution R-82-12 carried by roll call vote.

M-83-12

Commissioner Higley moved, seconded by Commissioner Ziliak, to approve the forwarding of the Solid Waste Plan Amendment to the Department of Environmental Quality for their review and approval. Motion carried by voice vote.

R-84-12

Commissioner Francis moved, seconded by Commissioner Goodman, to approve the following contract for an Interim Administrator/Controller:

INTERIM

COUNTY ADMINISTRATOR/CONTROLLER CONTRACT

THIS AGREEMENT, made and entered into this 19th day of July 2012, by and between the County of Cass, State of Michigan, a municipal corporation, hereinafter called "Employer", as party of the first part, and Louis R. Csokasy, hereinafter called "Employee", as party of the second part, both of whom understand as follows:

WITNESSETH:

WHEREAS, Employer desires to employ the services of said Employee as Interim Administrator/Controller of the County of Cass, and

WHEREAS, it is the desire of the Board of Commissioners or "Board", to provide certain benefits, establish certain conditions of employment and to set working conditions of said Employee; and

WHEREAS, Employee currently serves as the Managing Director of the Cass County Road Commission (CCRC) a position from which he will take an unpaid leave of absence upon approval of this contract by the Cass County Board of Commissioners and the Cass County Board of Road Commissioners; and

WHEREAS, The CCRC has approved the leave of absence and further approved arrangement set forth in this Agreement; and

WHEREAS, Employee desires to accept temporary employment as Interim Administrator/Controller of said County;

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties agree as follows:

Section 1. Duties

Employer hereby agrees to employ said Employee as Interim County Administrator/Controller of said Employer to perform the functions and duties specified, including but not limited to:

A. Exercise all powers and functions assigned to the Office of County Controller by Act 49, Public Acts of 1969, as amended. Throughout the fiscal year, analyze the County operating budget to establish compliance with budget limitations and to determine future needs/revisions in the spending process. Direct the gathering and analysis of data for use in monitoring County finances and formulating recommendations to the Board.

B. Work with the Board committees, and all department heads, prepare and submit to the Board a recommended, balanced budget advising on all expenditures.

C. Oversee and coordinate the preparation and maintenance of accounts of every office, officer and department of the County, according to State statute. Employee may prescribe and direct the keeping of other accounts, records and reports as necessary.

D. Receive broad procedural guidelines/financial limitations in labor matters and in turn assist in labor negotiations, research compensation, fringe benefits, pending legislation and personnel rules. Make authoritative recommendations to the Board of Commissioners on these matters.

E. Direct staff in the orderly maintenance of the Personnel management and hiring system including Job Classification/ Evaluation/Market Analysis/Recruiting/Training and personnel policy. Provide integrated reports for use in effective management planning, personnel policy development.

F. Exercise responsibility for selection of all non-elected department heads, subject to Board approval.

G. Exercise responsibility and have final approval for the hiring and termination of all personnel in departments, which are not headed by elected officials. Monitor employee performance, initiate training and/or discipline up to and including termination as necessary. Arrange joint personnel use by departments whenever possible.

H. Develop and maintain a system of central purchasing with related record keeping and analysis to reduce costs and prevent duplication.

I Supervise and oversee the maintenance and repair of County buildings and grounds, including the county jail; Information Systems, Parks Department, Emergency Management and Veterans Affairs.

J. Research availability and conditions of grant funding. Advise Board and department heads of available funds and grant conditions and prepare and assist in the preparation of applications.

K. Assist County boards and committees in policy development. Receive broad goals and objectives from the Board of Commissioners. In turn, develop operating systems and alternatives to accomplish such goals and objectives and monitor same to insure existing policy compliance.

L. Analyze and monitor legislative and administrative changes, and potential changes, in light of their effect upon the County and advise the Board accordingly.

M. Prepare agenda for County Board meetings and committee meetings in concert with committee chairpersons and the Board Chairperson.

N. Act as County Board spokesman and public relations liaison to community groups and interested parties as required or as directed by the Board.

O. Perform all lawful duties and complete all lawful tasks which may be assigned from time to time by the Board of Commissioners or its designated representative.

P. Engage legal counsel on behalf of the County as he deems necessary to advance and/or protect the interests of the County.

Section 2. Terms

A. Employee is to serve at the pleasure of the Board of Commissioners. Nothing in this agreement shall prevent, limit or otherwise interfere with the right of the Board of Commissioners to terminate the services of Employee, for no reason, or for any reason whatsoever with or without notice; Subject only to the provisions set forth in Section 3, paragraph A of this Agreement.

B. Nothing in this agreement shall prevent, limit or otherwise interfere with the right of the Employee to resign at any time from his position with Employer, subject only to the provision set forth in Section 3, paragraph B, of this Agreement.

C. Employee agrees to begin work for the County of Cass no later than the 9th day of July, 2012, and to remain in the exclusive employ of Employer, devoting his full time and energy to Employer, until the close of business on Friday, March 8, 2013, at which time this Agreement and Employee's employment with the County shall automatically terminate unless extended in accordance with paragraph 2(D) below. He further agrees to neither accept other employment, nor engage in any other outside, for profit activity", while employed with the County except, this Agreement shall not be construed to prohibit occasional teaching, farming, writing, military reserve, private or consulting services performed on Employee's time off so long as those

activities are approved by the Chairperson of the Board in advance, are occasional in nature and do not interfere in the performance of Employee's duties to Employer. Employee shall notify the Chairperson of the Board of Commissioners a reasonable time in advance of his desire to engage in such activities. Such services shall in no way create or appear to create a conflict of interest for the County or the Employee.

D. This agreement may be extended by a written agreement of the parties signed by Employee, Chairperson of the Board of Commissioners and the approval of the full Board of Commissioners.

Section 3. Termination and Severance Pay

A. In the event Employee is terminated by the Board of Commissioners for any or no reason before March 1, 2013 or during any mutually agreed extension period, Employee shall be entitled, except as limited below, to continuation of health and hospitalization insurance benefits for a three-month period after termination. All other benefits of every kind and nature shall terminate on the date set forth in the notice of termination from the Board. Employee shall not be entitled to the continuation of health insurance or any other accrued and unpaid vacation, holiday pay, if his termination was for (1) the commission of any felony; (2) commission of any act which offends common decency or morality, or which brings discredit upon the County or the Board, (3) theft, conversion, embezzlement or misappropriation of funds or other assets of the County or any affiliate thereof or any other act of fraud, dishonesty (i.e., a willful perversion of truth in order to deceive) or self-dealing with respect to the County or any affiliate thereof (including acceptance of any bribes or kickbacks); (4) intentional misconduct, grossly negligent conduct or unlawful misconduct in the performance of his duties hereunder, (5) continued incompetence or unsatisfactory performance; (6) the violation of any law regarding employment

Employee acknowledges that this is not a forty (40) hour per week job. Employee understands and agrees that to satisfactorily perform the duties of this position, he must devote a great deal of time outside the normal office hours to business of the Employer.

Section 7. Car Allowance

Employee shall receive a monthly car allowance of $350 in the form of a reimbursement effective July 9, 2012 for the duration of his interim appointment.

Section 8. Benefits

Employee shall retain his current benefits and benefit schedule from the CCRC. The County shall reimburse the CCRC for the costs of those benefits on a monthly basis.

Section 9. Dues and Subscriptions

Employer agrees to budget and to pay dues and costs for membership in selected professional associations and for subscriptions to selected professional publications necessary for his continuation and participation in national, regional, state and local associations and organizations.

Section 10. Professional Development

A. Employer hereby agrees to budget for and pay the reasonable travel and subsistence expenses of the Employee incurred for professional and official travel, meetings and related occasions which are necessary for the professional development of Employee and to allow Employee to adequately pursue necessary official and other functions for Employer.

B. Employer also agrees to budget and to pay for the reasonable travel and subsistence expenses of Employee for short courses, institutes and seminars that are necessary for his professional development and for the good of the Employer.

Section 11. Indemnification

Employer shall defend, save harmless and indemnify Employee against any claim, charge, suit, demand or other legal action against employee (including actual attorney's fees and all costs of defense, settlements and/or judgments), whether such claims, suits or charges were groundless or otherwise, arising out of an alleged act or omission occurring in the good faith performance of the Employee's duties as Interim County Administrator/Controller. Employer may, in its discretion, compromise and settle any such claim or suit and pay the amount of any settlement or judgment rendered thereon without Employee's consent.

Section 12. Bonding

Employer shall bear the full cost of any fidelity or other bonds required of the Employee under any law or ordinance.

Section 13. Other Terms and Conditions of Employment

The Board of Commissioners, in consultation with the Employee, shall fix any such other terms and conditions of employment, as it may determine from time to time, relating to the performance of Employee, provided such terms and conditions are not inconsistent with or in conflict with the provisions of this agreement, or any other law.

Section 14. No Reduction of Benefits

Employer shall not at any time during the term of this agreement reduce the salary, compensation or other financial benefits of Employee, without the concurrence of Employee.

Section 15. Notices

Notices pursuant to this agreement shall be given by deposit in the custody of the United States Postal Service, postage prepaid, addressed as follows:

(1) EMPLOYER: The Cass County Board of Commissioners

(2) EMPLOYEE: Louis R. Csokasy

Alternatively, notices required pursuant to this agreement may be personally delivered by the Board to Employee and by Employee to the Chairperson of the Board of Commissioners. Notice shall be deemed given as of the date of personal delivery or as of the date of deposit of such written notice with the United States Postal Service.

Section 16. General Provisions

A. The text herein shall constitute the entire agreement between the parties.

B. This agreement shall be binding upon and inure to the benefit of the heirs at law and executors of Employee.

C. This agreement shall become effective commencing on the date Employee commences employment but not later than the 9th day of July, 2012.

D. If any provisions, or any portion thereof, contained in this agreement is held unconstitutional, invalid or unenforceable, the remainder of this agreement, or portion thereof, shall be deemed severable, shall not be affected and shall remain in full force and effect.

E. This agreement may not be amended, altered, modified or revoked except in writing signed by both parties.

IN WITNESS WHEREOF, the County of Cass has caused this agreement to be executed on its behalf by its Chairperson and duly attested by its County Clerk, and the Employee has executed this agreement, both in duplicate, the day and year first above written.

Commissioner Lowe moved, seconded by Commissioner Rodebush, to add "with full approval of the Board of Commissioners" to paragraph D of page 5. Discussion followed. Motion carried by voice vote.

The Chair instructed the Clerk to call roll:

Yes (13): Commissioners Goodenough, Dyes, Arnold, Marchetti, Higley, Francis, File, Rodebush, Lowe, Ziliak, Goodman, Wagel and Warren.

No (2): Commissioner Bickel and Cobb.

Absent (0): None.

Amended Resolution R-84-12 carried by roll call vote.

M-85-12

Commissioner Cobb moved, seconded by Commissioner Francis, to approve the following reappointments:

> Reappoint Walt Lehmann, David Kring and Tom Swartz to the Cass County Planning Commission for terms ending July 31, 2015.

Motion carried by voice vote.

M-86-12

Commissioner Dyes moved, seconded by Commissioner Goodenough, to approve decline the purchase of tax reverted properties as presented by Cass County Treasurer Linda Irwin. Motion carried by voice vote.

BOARD MEMBER COMMENTS/ANNOUNCEMENTS

Commissioners Marchetti, Goodman, Lowe, Bickel, Arnold and File offered comments or announcements.

ADJOURNMENT

Commissioner Wagel moved, seconded by Commissioner Bickel, to adjourn. Motion carried by voice vote.

The meeting adjourned at 8:23 p.m.

Approved: 8-3-2012 Minnie Warren Monica Kennedy

Date Minnie Warren, Chairperson Monica Kennedy, Chief Deputy Clerk/Register

TO: Cass County Municipalities

FROM: Carl Higley, Chairperson, Solid Waste Planning Commission

DATE: March 20, 2012

RE: Amendment to Solid Waste Management Plan

A meeting of the Solid Waste Planning Committee has been set for April 2, 2012 at 4:00 p.m. in the Kincheloe Room of the Cass County Building, 120 N. Broadway, Cassopolis, Michigan. A copy of the proposed amendment to the Solid Waste Plan will be sent out shortly. Please contact Jackie Taylor by phone, 445-4421, e-mail jackiet@cassco.org or mail, 120 N. Broadway, Suite 116, Cassopolis, MI 49031 with any comments or questions you may have prior to the meeting date. If you wish, you may also contact Chairperson Carl Higley at 663-2265.

TO: Cass County Municipalities

FROM: Carl Higley, Chairperson, Solid Waste Planning Commission

DATE: March 23, 2012

RE: Amendment to Solid Waste Management Plan

As stated in the letter sent to you on March 20, 2012 here is the Solid Waste Management Plan Amendment. Once again, the meeting of the Solid Waste Planning Committee has been set for April 2, 2012 at 4:00 p.m. in the Kincheloe Room of the Cass County Building, 120 N. Broadway, Cassopolis, Michigan if you are planning on attending. If you have any questions please call Jackie Taylor at 445-4421, e-mail jackiet@cassco.org or mail, 120 N. Broadway, Suite 116, Cassopolis, MI 49031 with any comments or questions you may have prior to the meeting date. If you wish, you may also contact Chairperson Carl Higley at 663-2265.

Cass County
Board of Commissioners

There will be a meeting of the Cass County Solid Waste Planning Commission on Monday, April 2, 2012 at 4:00 p.m. in the Kincheloe Room of the Cass County Building, 120 N. Broadway, Cassopolis, Michigan.

120 N. Broadway, Suite 116 ◊ Cassopolis, MI 49031 ◊ Telephone (269) 445-4420 ◊ Fax (269) 445-8978

Cass County
Board of Commissioners

There will be a meeting of the Cass County Solid Waste Planning Commission o Tuesday, July 10, 2012 a p.m. in the Kincheloe Ro the Cass County Building N. Broadway, Cassopolis, Michigan.

120 N. Broadway, Suite 116 ◊ Cassopolis, MI 49031 ◊ Telephone (269) 445-4420 ◊ Fax (269) 445-8978

Cass County
County Administrator

To: Solid Waste Committee members

From: Jackie Taylor

RE: Solid Waste Plan Amendment

The Solid Waste Plan Amendment is scheduled for Public Hearing on June 21, 2012 at the Board of Commissioner's meeting for any comments or concerns from any township entity or individuals.

A meeting of the Solid Waste Plan Committee needs to be held after that to discuss any comments that are made. I am scheduling a meeting on Tuesday, July 10, 2012 at 4:00 p.m. in the Kincheloe Room of the Cass County Building, 120 N. Broadway, Cassopolis, Michigan.

If you could please give me a call at 269-445-4421 and leave a message whether you will be attending or not so that we know if we have a quorum I would appreciate it.

Thank you.

120 N. Broadway, Suite 116 ◊ Cassopolis, MI 49031 ◊ Telephone (269) 445-4420 ◊ Fax (269) 445-8978

Cass County
Board of Commissioners

REGULAR MEETING OF THE
CASS COUNTY BOARD OF COMMISSIONERS
Cass County Road Commission
Conference Room
340 North O'Keefe Commission Chambers
June 21, 2012

7:00 P.M. – CALL TO ORDER – *Chairperson Warren – please turn off cell phones*

INVOCATION – *Commissioner File*

PLEDGE OF ALLEGIANCE TO THE FLAG – *Commissioner Bickel*

ROLL CALL – *Clerk-Register Barb Runyon*

INTRODUCTION OF VISITORS – *Chairperson Warren*

APPROVAL OF THE AGENDA – *Commissioner Francis*

7:15 P.M. - PUBLIC HEARING – *Solid Waste Plan Amendment*

PRESENTATION – *CASA, Jim Ward, Director*

PRESENTATION – *Veteran's Affairs, Tom Green, Director*

PUBLIC COMMENT

APPROVAL OF MINUTES – June 7, 2012 Regular meeting, June 9, 2012 Workshop – *Commissioner Goodenough*

COMMITTEE REPORTS

UNFINISHED BUSINESS

NEW BUSINESS

To approve claims – **M-70-12** – *Commissioner Higley*

To approve appointments and reappointments - **M-71-12** – *Commissioner Ziliak*

Resolution – Opposition to Private Foster Care Rate Increase – **R-72-12** – *Commissioner Higley*

BOARD MEMBER COMMENTS/ANNOUNCEMENTS

CLOSED SESSION - To discuss the Cass Family Clinic - **M-73-12** – *Commissioner Goodman*
ADJOURNMENT

CALENDAR-

Regular Meeting, July 5, 2012, 7:00 p.m. – **held at Cass County Road Commission**
Regular Meeting, July 19, 2012, 7:00 p.m. – **held at Cass County Road Commission**

The Cass County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon one week's notice to the Cass County Administrator's Office. Individuals with disabilities requiring auxiliary aids or services should contact the County Administrator's Office by writing or calling: Cass County 120 N. Broadway, Suite 116, Cassopolis, MI 49031 269-445-4420.

CASS COUNTY BOARD OF COMMISSIONERS MEETING

The County Board of Commissioners met in regular session on Thursday, June 21, 2012 in the Cass County Road Commission Conference Chambers.

Chairperson Minnie Warren called the meeting to order at 7:00 p.m. Commissioner File gave the Invocation; Commissioner Bickel led the Pledge of Allegiance to the Flag of the United States of America.

Clerk/Register Runyon called roll:

COMMISSIONERS PRESENT: Edward Goodman; Cathy Goodenough; Robert Wagel; Dwight Dyes; Gordon Bickel, Sr.; Charles Arnold; Roseann Marchetti; Carl Higley, Sr.; Ronald Francis; Dixie Ann File; E. Clark Cobb; Minnie Warren; Johnie Rodebush; Dale Lowe and Robert Ziliak.

COMMISSIONERS ABSENT: None.

STAFF PRESENT: Barbara Runyon, Clerk/Register.

INTRODUCTION OF VISITORS

Visitors introduced themselves.

APPROVAL OF THE AGENDA

Commissioner Francis moved, seconded by Commissioner Rodebush, to approve the Amended June 21, 2012 Cass County Board of Commissioner's Agenda. Motion carried by voice vote.

PRESENTATION

Jim Ward, Director of CASA for Cass County, presented on the CASA Program (Court Appointed Special Advocate). CASA has 22 active volunteers.

Tom Green, Veteran's Affairs Director, gave his annual report on the Cass County Veterans Affairs.

Chairperson Warren interrupted Director Green's report to go into public hearing.

PUBLIC HEARING

Chairperson Warren opened the public hearing on the Solid Waste Plan Amendment. Commissioner Higley explained that Henry Valkema from Michiana Recycling and Disposal Services would like to enlarge his facility. Michigan State indicated that the Solid Waste Plan would have to be amended in order to accomplish this expansion.

Chairperson Warren asked if there was any public comment. There was no public comment.

Commissioner Rodebush moved, seconded by Commissioner Higley, to close the public hearing. Motion carried by voice vote.

R-72-12

Commissioner Higley moved, seconded by Commissioner Rodebush, to adopt the following resolution:

COUNTY OF CASS, MICHIGAN
OPPOSITION TO RATE INCREASE FOR PRIVATE FOSTER CARE

WHEREAS, the Michigan Probate Judges Association has passed a resolution that strongly opposes a rate increase for private agencies supervising foster care and those agencies are already being paid an administrative rate of $37.50 per day per child to grant these agencies a 22% increase after just one year is unconscionable. Many courts and counties are paying for multiple children. It is not uncommon for a family of 4-5 children to be placed in relative care. (In just one example, a court paid an agency $37.50 per day per child, for a total of $5,625 per month and $67,500 per year. The five children were with a grandmother and the agency did not provide any special services. A caseworker saw them once per month.), and;

WHEREAS, the courts report that when special services to children are ordered, the response can vary from compliance to "we are not being paid for that" and the state mandated preference for private agencies has changed the ideal of placing children in their home communities. We now see frequent instances where children must be placed with an agency that only has beds available in distant counties. Courts and counties are paying higher dollars for reduced services and case workers who are unfamiliar with the community in which the parent is supposed to be served, and;

WHEREAS, Courts and counties are at the breaking point with the current $37.50 administrative fee and there is nothing to ensure the accountability, competition, and improved services which privatization is intended to provide. The State Department of Human Services is conducting a study to determine appropriate rates for private agency administrative fees, and that research is not concluded, and rate increase is premature and unwarranted. It now makes more fiscal sense for courts to use that rate money to hire local social workers who are under the control of the court to supervise foster care arrangements. Under the current system there is no accountability, no competition, and no way to recognize credible agencies or sanction poor ones. Furthermore, it is not appropriate to single out private agencies for massive fee increases when, in every other area of social welfare, the state is cutting costs and reducing reimbursements to local governments.

NOW, THEREFORE, BE IT RESOLVED, that the Cass County Board of Commissioners opposes the rate increase for private foster care agencies. Copies of the resolution will be sent to the Michigan Department of Human Services Director, Senator John Proos, and State Representatives Matt Lori and Sharon Tyler, and Michigan Association of Counties.

The Chair instructed the Clerk to call roll:

Yes (15): Commissioners Dyes, Bickel, Arnold, Marchetti, Higley, Francis, File, Cobb,

Resolution #24-2012
Solid Waste Plan Amendment – Solid Waste Planning Committee

Under provisions of law and Statue provided, the following Resolution is hereby adopted by the LaGrange Township Board, Cass County, Michigan in a meeting assembled this 21st day of August 2012, at the LaGrange Township Hall, 58253 M-62, Cassopolis, Michigan.

RESOLVED:
That the Township Board of LaGrange Township, County of Cass, State of Michigan, does hereby acknowledge and approve the Solid Waste Management Plan Amendment which was received from the Solid Waste Planning Committee of Cass County in March of 2012.

Motion By: Supervisor Rob Wright Support By: Trustee Jay Brackensick

Roll Call Vote:

Rob Wright	__Y__
Naomi Criswell	__Y__
Amy Juroff	__Y__
Paul File	__Y__
Jay Brackensick	__Y__

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SEP 14 2012
CASS COUNTY ADMINISTRATOR

Resolution Adopted __5__ Yes, __0__ No, __0__ Absent

Certification
I hereby certify that the foregoing is a true and accurate copy of a resolution agreement adopted by the LaGrange Township Board at a meeting held on the 21st day of August, 2012 at the LaGrange Township Hall and that notice of said meeting was made and given in accordance with the provisions of the Michigan Open Meetings Act.

Amy J. Juroff, LaGrange Township Clerk

August 21, 2012
Dated

Resolution #2012-07

Resolution for the Adoption of the 2012 Amendment to the Cass County 2000 Solid Waste Management Plan (Approved September 2000)

VILLAGE OF MARCELLUS,
COUNTY OF CASS, STATE OF MICHIGAN

At a regular meeting of the Council of the Village of Marcellus, County of Cass, State of Michigan, held in said Village on September 27, 2012, there were:

Present: Dentler, Ludlow, Simmons, Thomas, Webb and Schick.
Absent: None.

The following resolution was offered by Webb and seconded by Simmons.

Resolution for the Adoption of the 2012 Amendment to the Cass County 2000 Solid Waste Management Plan (Approved September 2000)

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections of the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Village of Marcellus APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

Adopted September 27, 2012 by a roll call vote of:

Yeas: Dentler, Ludlow, Simmons, Thomas and Schick.
Nays: Webb.

Dated: September 28, 2012

Krista D. Jourdan
Marcellus Village Clerk

Dated: September 28, 2012

Jody L. Schick
Marcellus Village President

Certification: I hereby certify that the foregoing is a true and complete copy of a Resolution adopted by the Village Council of the Village of Marcellus, County of Cass, State of Michigan, at a meeting held on September 27, 2012, the original of which is on file in my office and available to the public. Public notice of said meeting was given pursuant to and in compliance with the Open Meetings Act, including in the case of a special or rescheduled meeting, notice by posting at least 18 hours prior to the time set for said meeting.

Dated: 10/8/12

Krista D. Jourdan
Marcellus Village Clerk

RESOLUTION NO. 2012-1

FOR ADOPTION OF THE 2012 AMENDMENT TO THE CASS COUNTY 2000 (APPROVED September 2000) SOLID WASTE MANAGEMENT PLAN

At a regular meeting of the Marcellus Township Board, County of Cass, State of Michigan, held at Marcellus, Michigan on the 18th day of September, 2012, the following took place.

Present: Kish, Wilk, Bainbridge, Birt, Davis

Absent: None

Kish offered the following resolution and moved for its support; the motion was supported by Bainbridge.

WHEREAS, Cass County, as well as all counties in the State of Michigan, are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan: and

WHEREAS, the Cass County Board of Commissioners authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections of the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

Whereas, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Marcellus Township Board approves and adopts the 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

YEAS: Bill, Bainbridge, Kish, Webb

NAYS: Davis

ABSTAIN: —

ABSENT: —

Resolution declared adopted.

I, the undersigned, the duly qualified and acting Clerk of Marcellus Township, Cass County, State of Michigan, do hereby certify that the foregoing is a true and complete copy of the proceedings taken at a regular meeting of the Marcellus Township Board held on the 18th day of September, 2012, a copy of which is on file in my office. Public notice of said meeting was given pursuant to and in compliance with Act 267, PA 1976, as amended.

Ann M. Webb

Ann M. Webb

Marcellus Township Clerk

RECEIVED

SEP 17 2012

CASS COUNTY ADMINISTRATOR

SILVER CREEK TOWNSHIP
RESOLUTION NO. 12-13

WHEREAS, it is in the interest of public health, safety, welfare and quality of life of the citizens of Silver Creek Township.

NOW THEREFORE BE IT RESOLVED, that Silver Creek Township does hereby resolve to support the Cass County Solid Waste Management Plan Amendments of April 2, 2012.

Upon motion made by: Supervisor Saunders Support by: Treasurer Kuriata

Ayes: Mr. Glynn, Mr. Lehmann, Mrs. Kuriata, Mr. Saunders

Nays: None

Absent: Mr. Moore

STATE OF MICHIGAN)
)
COUNTY OF CASS)

I, Walter F. Lehmann, Clerk of Silver Creek Township, Michigan, do hereby certify that the above is a true and correct copy of a resolution adopted by the Township Board of Silver Creek, County of Cass, State of Michigan at a meeting held September 12, 2012.

Date: September 13, 2012

Walter F. Lehmann, Clerk

RECEIVED
SEP 17 2012
CASS COUNTY ADMINISTRATOR

Resolution #09-11-12-04
Mason Township Board Meeting
September 11, 2012

Councilmember Arlene Chew offered and moved the adoption of the following resolution; seconded by Councilmember Jerry Myers.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections to the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Township of Mason APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

Adopted this 11th day of September, 2012.

Janet Dull
Clerk

John Brandt
Supervisor

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SEP 14 2012

CASS COUNTY ADMINISTRATOR

VILLAGE OF VANDALIA
SOLID WASTE MANAGEMENT PLAN
RESOLUTION OF ADOPTION

Councilmember Don Damron offered and moved the adoption of the following resolution; seconded by Councilmember Sam Fowlkes.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections of the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Village of Vandalia APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

Yeas: 5 Nays: ∅

Resolution: 09102012

MINUTES OF A REGULAR MEETING OF THE PENN TOWNSHIP BOARD HELD the 10 day of September, 2012 at the Penn Township Hall, 60717 South Main Street, Vandalia, Michigan 49095.

PRESENT: Board Members: Fitzsimons, Mickey, Rutherford, Sparks

ABSENT: Board Members: Leach

The following preamble and resolution were offered by Board Member Fitzsimons **and supported by Board Member** Rutherford.

WHEREAS the Cass County Solid Waste Planning Committee previously had approved an Amendment to the Cass County Solid Waste Plan;

WHEREAS, the Township deems it advisable to support the Amendment;

NOW THEREFORE, BE IT RESOLVED that the Penn Township Board does hereby support the amendment to the Cass County Solid Waste Plan.

Ayes: 4
Nays: Ø

RESOLUTION DECLARED ADOPTED

Lisa Fitzsimons,
Penn Township Clerk

I hereby certify that the foregoing is a true and complete copy of a Resolution duly adopted by the Township Board of the Township of Penn, County of Cass, Michigan, at a regular meeting held on 9/10, 2012, 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 made available as required by said Act.

Lisa Fitzsimons, Township Clerk

RECEIVED
SEP 14 2012
CASS COUNTY ADMINISTRATOR

RECEIVED

SEP 14 2012

CASS COUNTY ADMINISTRATOR

WAYNE TOWNSHIP
RESOLUTION #R-12-09-01

A Resolution to indicate Support of the Amendment to the Solid Waste Management Plan as Adopted by the Cass County Solid Waste Management Committee and the Cass County Board of Commissioners

WHEREAS, Cass County, as well as all counties in the State of Michigan, are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current Cass County Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Cass County Solid Waste Planning Committee to prepare the amendment; and

WHEREAS, the Cass County Board of Commissioners appointed the Cass County Solid Waste Planning Committee pursuant to Section 115344 of the Act; and

WHEREAS, the Cass County Solid Waste Planning Committee sent copies of the proposed plan to all municipalities; held a public hearing on the proposed amendment; and

WHEREAS, the Cass County Solid Waste Planning Committee approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated no objections to the Plan amendment; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, the Cass County Board of Commissioners has approved the amendment to the Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED that the Township Board of the Township of Wayne, Cass County, Michigan, approves the proposed amendment to the Solid Waste Management Plan in Cass County.

The foregoing resolution offered by Board Member Frank L. Butts.

Second offered by Board Member James K. Griggs.

Upon a roll call vote, the following voted:

AYE: Frank L. Butts
Kurt E. Reich
Judith Anne Fusko
Michael Krager, Jr.
James K. Griggs

NAY: none

The Supervisor declared Resolution R-12-09-01 adopted.

CERTIFICATE

I, Kurt E. Reich, the duly elected Clerk of Wayne Township, hereby certify that the foregoing resolution was adopted by the Township Board of said Township at the regular meeting of said Board held on September 4, 2012, at which meeting a quorum was present, by a roll call vote of said members as herein before set forth by.

Kurt E. Reich, Clerk
Wayne Township

September 4, 2012
Date

RECEIVED

SEP 14 2012

CASS COUNTY ADMINISTRATOR

Resolution #1
August 27, 2012

Councilmember Laylin offered and moved the adoption of the following resolution; seconded by Councilmember Hunt.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections to the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the City of Dowagiac approves and adopts the 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

ADOPTED/~~REJECTED~~ unanimously.

James E. Snow

James E. Snow, City Clerk

CERTIFIED TO BE A TRUE AND CORRECT COPY

James E. Snow 29 AUG 2012

CITY CLERK, DOWAGIAC, MICH. DATE:

RESOLUTION 2012-010

TOWNSHIP OF HOWARD
County of Cass, State of Michigan

RECEIVED
AUG 27 2012
CASS COUNTY ADMINISTRATOR

RESOLUTION SUPPORTING THE CASS COUNTY 2012 SOLID WASTE PLAN AMENDMENT

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 1994 (the Act), as amended and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current Cass County Solid Waste Management Plan; and

WHEREAS, The Board of Trustees of Howard Township, Cass County, Michigan supports the Cass County 2012 Solid Waste Plan Amendment; and

WHEREAS, the Act requires approval of the Plan Amendment by the County Board of Commissioners and at least 67% of the municipalities in the County; and

NOW, THEREFORE, BE IT RESOLVED that the Howard Township Board of Trustees approves and adopts the 2012 Plan Amendment as its guide for addressing solid waste management in Cass County.

At a regular meeting of the Howard Township Board of Trustees, County of Cass, State of Michigan held in Howard Township, Niles, Michigan on the 21st day of August, 2012, a motion was made by Gordon, supported by Frost.

Upon roll call vote, the following voted "aye"

Fazi, Wozniak, Gordon, Bradfield, Patterson, Frost.

The following voted "nay"

_____.

CERTIFICATE

The undersigned, as the duly elected and acting Clerk of the Township, hereby certifies that the within Resolution was duly adopted by the Township Board at a Regular Meeting of said Board, at which a quorum was present, held on **August 21, 2012**, and this resolution shall take effect immediately upon approval of the Township Board of Trustees.

Sheri Wozniak, Clerk

8-23-12
Date

Jefferson Township Resolution
September 13, 2012

Jefferson Township Member R V BALCABA offered and moved the adoption of the following resolution; seconded by Jefferson Township Member CARMEN.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections to the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Township of Jefferson APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

ROLL CALL VOTE:

AYES: Carmen, Rubalcaba, Kirstein and McNeary

NAYS: None

ABSENT: Hass

ADOPTED: September 13, 2012

ATTEST:

Leroy McNeary

Leroy McNeary, Clerk

RECEIVED

NOV 01 2012

CASS COUNTY ADMINISTRATOR

Resolution #
August 27, 2012

Councilmember B. Rasmussen offered and moved the adoption of the following resolution; seconded by Councilmember C Walden.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections ot the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

Adopted by
Volinia Twp. Brd
9-10-12
Supervisor

RECEIVED

NOV 01 2012

CASS COUNTY ADMINISTRATOR

Resolution #
September 10, 2012

Councilmember Norm Krupp offered and moved the adoption of the following resolution; seconded by Councilmember Paula Ralph.

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections ot the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Township of Ontwa APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

ADOPTED/REJECTED

Paula S. Ralph, Clerk

NK / MC

ONTWA TOWNSHIP REGULAR BOARD MEETING
SEPTEMBER 10, 2012

The regular monthly meeting of the Ontwa Township Board was called to order on September 10, 2012 at 7:00 P.M. in the township hall with Supervisor John Brielmaier presiding.

PRESENT: Supervisor John Brielmaier, Clerk Paula Ralph, Treasurer Meryl Christensen, Trustee Jerry Marchetti, Trustee Jerry Duck and Trustee Norm Krupp.

ABSENT: Trustee Jeff Kozinski

The minutes from the August 13, 2012 Regular Ontwa Township Board Meeting were approved as submitted upon motion by Treasurer Christensen seconded by Trustee Duck. Motion carried.

TREASURERS REPORT: The treasurers' report, including the General Fund, Building Fund, Tax Fund, and Wastewater Treatment Funds were approved upon motion by Clerk Ralph seconded by Trustee Duck. Motion carried.

APPROVAL OF BILLS: Trustee Krupp moved to approve the General, and Wastewater bills, supported by Supervisor Brielmaier. Motion carried.

COMMITTEE REPORTS: Planning Commission met on September 5th to discuss a special land use permit. The board will move forward with a change in the ordinance to allow "special events" in AR.

ZBA met on August 14th to hear a variance requests for 68390 M-62. The variance was granted.

Gary Foldenaur with Severn Trent submitted their monthly report. All stations ran well. A new electric panel was put into service at the May Street station. A total of 9,039,808 gallons was pumped to the Elkhart WWT from August 6, 2012 to September 5, 2012. All sampling requirements were completed on August 31, 2012.

The Building Inspectors' report consisted of 13 permits issued this month, total estimated valuation $350,400.00.

UNFINISHED BUSINESS: Peddlers Permit-Trustee Duck made a motion for Ontwa Township to discontinue the issuing of Peddlers Permits. Motion was supported by Clerk Ralph and carried.

Emergency Alert System-Barb Dempsey gave an update on the survey taken.

NEW BUSINESS: Solid Waste Resolution-Trustee Krupp made a motion to adopt a Solid Waste Management Plan. Motion was supported by Clerk Ralph and carried.

Ordinance Amendments-Trustee Krupp made a motion to adopt text amendments to the Private Road, Zoning, Site Condominium and Subdivision Ordinances. In all four ordinances the applicant will file with the Zoning Administrator at least 30 days prior to the next scheduled Planning Commission meeting. Motion was supported by Trustee Duck and carried.

Eagle Lake SAD-At the request of the Eagle Lake Association, Supervisor Brielmaier made a motion to pass a resolution to establish the per parcel assessment amount for the 2012 winter tax bill. Motion was supported by Trustee Marchetti and carried.

Pleasant Lake Weed Control-Supervisor Brielmaier made a motion to continue another three (3) years with the Pleasant Lake Weed Control agreement. Motion was supported by Trustee Duck and carried.

ANNOUNCEMENTS:

a. Fall Clean-Up: September 28th Noon-5:00 and September 29th 8:00-Noon.

Meeting adjourned at 7:40.

Next regular board meeting will be held on Monday, October 8, 2012 at 7:00 p.m.

Respectfully submitted,

Paula S. Ralph

Paula S. Ralph
Ontwa Township Clerk

Milton Township
32097 Bertrand Street, Niles, MI 49120 Phone (269)684-7262 Fax (269) 684-1742
Email: Milton@miltontwp.org Website: miltontwp.org

RESOLUTION: 2012-50R

During the Special Meeting of the Milton Township Board, Cass County, Michigan, held at the Milton Township Hall on the 28th of November, 2012 at 6:00pm, called to order by Supervisor Robert Benjamin, the following resolution was offered and adopted

FOR ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA 451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized an amendment to the current 2000 Cass Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC. pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections ot the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-seven percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections.

NOW, THEREFORE, BE IT RESOLVED that the Township of Milton APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

Motion by: Robert Benjamin
Seconded by: Susan Flowers

Roll Call Vote: AYES: Kronewitter, Renken, Sweeney, Benjamin, Flowers
NAYS: None

MOTION: PASSED: 5 Yes Votes - 0 No votes

Certification

I hereby certify that the foregoing is a true and accurate copy of a resolution agreement adopted by Milton Township at a meeting held on November 28, 2012 at the Milton Township Hall and that notice of said meeting was made and given in accordance with the provisions of the Michigan Open Meetings Act.

Sue Kronewitter 11-28-2012

Sue Kronewitter
Clerk Milton Township

Date

PORTER TOWNSHIP
CASS COUNTY

November 13, 2012 Resolution

Township Board Member Russell offered and moved the adoption of the following resolution: seconded by Board Member Harvey.

FOR THE ADOPTION OF THE 2012 AMENDMENT
TO THE CASS COUNTY 2000 (Approved September 2000)
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Cass County, as well as all counties in the State of Michigan are required by Part 115 of PA451 of 1994 (the Act), as amended, and the rules promulgated thereunder, to have a Solid Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners, authorized a amendment to the current 2000 Cass County Waste Management Plan; and

WHEREAS, the Cass County Board of Commissioners appointed the Department of Public Works as the Designated Solid Waste Planning Agency (DPA) to prepare the amendment with the advice and consultation of a Solid Waste Management Planning Committee (SWMPC); and

WHEREAS, the Cass County Board of Commissioners appointed a SWMPC, pursuant to Section 11534 of the Act; and

WHEREAS, the DPA sent copies of the proposed Plan amendment to all municipalities; held a public hearing on the proposed amendment; and has revised the proposed amendment in response to comments made at the hearing as appropriate; and

WHEREAS, the SWMPC approved and submitted the proposed amendment to the Cass County Board of Commissioners; and

WHEREAS, the Cass County Board of Commissioners stated its objections to the Plan amendment; and

WHEREAS, within thirty (30) days of receipt of the objections to the Plan amendment, the SWMPC submitted its response to the Cass County Board of Commissioners; and

WHEREAS, the Act requires approval of the Plan amendment by the County Board of Commissioners and at least sixty-sever percent (67%) of the municipalities in the County; and

WHEREAS, on April 2, 2012, the Cass County Board of Commissioners approved the Plan amendment with changes as stated in the Board's objections,

NOW, THEREFORE, BE IT RESOLVED that the Township of Porter APPROVES AND ADOPTS THE 2012 Plan amendment as its guide for addressing solid waste management in Cass County.

Adopted: November 13, 2012 at the regular meeting of the Porter Township Board

I, Marty Russell, Porter Township Clerk, certify the above is a true and accurate copy of the resolution passed on November 13, 2012.

Marty Russell

Marty Russell, Porter Township Clerk

RECEIVED
NOV 19 2012
CASS COUNTY ADMINISTRATOR

JOHN ENGLER, Governor
DEPARTMENT OF ENVIRONMENTAL QUALITY
"Better Service for a Better Environment"
HOLLISTER BUILDING PO BOX 30473 LANSING MI 48909-7973
INTERNET: www deq state mi us
RUSSELL J HARDING, Director

December 4, 2000

Mr. R. James Guse, Chairperson
Cass County Board of Commissioners
120 N. Broadway
Cassopolis, Michigan 49031

Dear Mr. Guse:

The Department of Environmental Quality (DEQ) received the locally approved update to the Cass County Solid Waste Management Plan (Plan) on September 28, 2000.

The Plan authorizes exports to any other Michigan county which authorizes such import of waste up to 100 percent. This is undefinable because authorizations may change over time without being known. Therefore, two clarifications are needed to define the intent of Cass County (County) and the municipalities regarding which counties are included in the export authorizations. The first clarification makes clear the County did intend on allowing exports to all other Michigan counties, and the phrase "which authorizes such import of waste up to 100 percent" is unnecessary because Michigan law requires authorization for the transfer of waste between two Michigan counties to be in both Plans. Ms. Mary Brown, Administrative Assistant, confirmed by telephone on behalf of Mr. Carl D. Higley, Sr., Chair of the Cass County Solid Waste Management Planning Committee, that this clarification conveys the County's and municipalities' intent in approving the Plan.

The second clarification pertains to the Future Export Volume Authorization Table. According to the above-mentioned clarification, the County authorizes exports to any other Michigan county; therefore, this table is unnecessary.

By this letter, this Plan is hereby approved with the above-mentioned clarifications. The County now assumes responsibility for the enforcement and implementation of this Plan. The DEQ would like to thank the County for its efforts in addressing County solid waste management issues.

By approving the Plan, the DEQ has determined that it complies with the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, 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 the County properly implements these enforceable mechanisms under applicable enabling legislation. The Plan itself does not serve as such underlying enabling authority, and the DEQ approval of the Plan neither restricts nor expands the County 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. The 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.

If you have any questions, please contact Mr. Seth Phillips, Chief, Solid Waste Management Unit, Waste Management Division, at 517-373-4750.

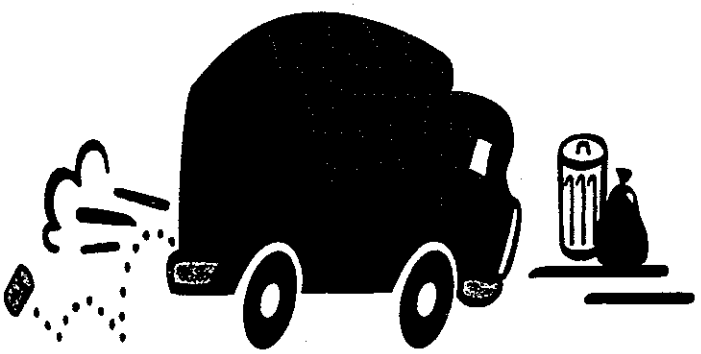
Sincerely,

Arthur R. Nash ACTING

Russell J. Harding
Director
517-373-7917

cc: Senator Harry Gast
Representative Cameron Brown
Representative Mary Ann Middaugh
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Mr. Timothy R. Sowton, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Mr. Tomas Leep, DEQ - Plainwell
Mr. Seth Phillips, DEQ
Ms. Lynn Dumroese, DEQ
Cass County File

Cass County



Solid Waste Management Plan

SEPTEMBER, 2000

Prepared By:
Cass County Solid Waste Planning Committee

with assistance from
Southwestern Michigan Commission

Cass County
County Administrator

SEP 25 2000

September 22, 2000

Mr. Matt Sterrin
Solid Waste Management Unit
Waste Management Division
Department of Environmental Quality
PO Box 30241
Lansing, MI 48909

Dear Mr. Sterrin:

Enclosed please find Cass County Solid Waste Management Plan being submitted for final review and action. The approval actions by local units have all been approved following the public hearing date.

If you have any concerns or questions regarding the plan, please feel free to contact me.

Thank you.

Sincerely,

Mary A. Brown

Mary A. Brown
Administrator

enclosure

120 N. Broadway ◊ Cassopolis, MI 49031 ◊ Telephone (616) 445-4420 ◊ Fax (616) 445-8978

STATE OF MICHIGAN

8 Better BOC

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING PO BOX 30473 LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

April 3, 2000

20 Townships/Mun's
Total

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, Michigan 49031

Dear Mr. Proctor:

This letter is to follow-up our March 21, 2000 telephone discussion regarding local approval issues with the updated Cass County Solid Waste Management Plan (Plan).

Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 115 Administrative Rules stipulate the process by which the Plan is to be prepared and approved. Section 11536 of Part 115 and Rule 708(3) and (4) require that the Plan shall be submitted to the governing bodies of all municipalities within the county for their approval only after the County Board of Commissioners (BOC) has approved it. Eight of the local municipalities within Cass County (County) approved the Plan before September 9, 1999, the date the County BOC approved the Plan, and released it for local approval. These eight local approvals cannot be considered valid, as the Plan had not yet been approved by the BOC. The local approvals of the following eight municipalities need to be readopted if they are to be considered in determining local approval of the Plan: Dowagiac City, Edwardsburg Township, Howard Township, Jefferson Township, Milton Township, Pokagon Township, Wayne Township, and Volinia Township.

In addition, Section 11536(4) of Part 115 and Rule 708(4) require that not less than 67 percent of the municipalities shall approve the Plan before submittal to the Director (Director) of the Department of Environmental Quality (DEQ) for his approval. In order to achieve 67 percent local approval, Cass County will require approval from 14 of the 20 local municipalities. Only 13 resolutions of local approval are included in Attachment #5 of the Plan. Even if all of the resolutions were valid, the County would only have demonstrated 64 percent local approval. In order for the Plan to be locally approved, and in addition to the eight approval resolutions mentioned above, one additional resolution from a local municipality approving the Plan will be required.

If these local approval issues are not remedied, the Plan cannot be considered locally approved. Pursuant to Section 11536(6) of Part 115 and Rule 709(2), the Director is required to prepare the Plan for the County if local approval of not less than 67 percent of the municipalities cannot be obtained.

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Attachments

1. Mailing list
2. Regional Household Hazardous Waste Proposal
3. Letters and maps from solid waste facilities
4. Export/Import letters from other counties
5. Approval of Solid Waste Plan
   - Public Notice Documentation
   - Release and Transmittal of Plan
   - Approval Action (resolutions) of Solid Waste Planning Committee, County Board of Commissioners and municipalities

EXECUTIVE SUMMARY

T following summarizes the solid waste management system selected to manage solid waste within the County. In case of conflicting information between the executive summary and the remaining contents of the Plan update, the information provided in the main body of the Plan update found on the following pages will take precedence over the executive summary.

OVERALL VIEW OF THE COUNTY

Table I-1. Population, Land Use and Economic Base in Cass County

Township or Municipality	Population[1]	% Land Use[2]		% of Economic Base[3]				
		Rural	Urban	Agr	For	Indus	Com	Oth
Calvin Township	1,813			6.6	0	1.8	0.6	4.1
Dowagiac City	6,409			0	0	25.7	29.3	5.4
Howard Township	6,378			5.6	0	5.5	6.2	10.9
Jefferson Township	2,112			7.4	0	0.5	1.3	4.4
LaGrange Township	3,406			5.6	0	12	14	4.8
Cassopolis Village	1,822							
Marcellus Township	2,569			8.5	0	1.4	4.3	3.5
Marcellus Village	1,193							
Mason Township	2,450			4.8	0	5.3	1.4	3.3
Milton Township	2,284			3.1	0	3.8	1.6	5.3
Newberg Township	1,627			6.6	0	0.7	5.7	2.7
Ontwa Township	5,592			3.7	0	24.2	12.3	12.5
Edwardsburg Township	1,142							
Penn Township	1,877			9.3	0	4.6	2.9	8.8
Vandalia Village	357							
Pokagon Township	2,188			6.9	0	3.8	5.8	2.6
Porter Township	3,857			11.3	0	0.8	5.4	11.5
Silver Creek Township	3,101			6.4	0	1.7	6.8	14.5
Volinia Township	1,032			8.3	0	0.3	0.2	1.6
Wayne Township	2,780			5.8	0	7.5	1.7	4.0
County Totals	**49,477**	**81.8**	**18.2**	**16**	**0**	**2**	**6**	**76**

Agr = Agriculture; For = Forestry; Indus = Industry; Com = Commercial; Oth = All Other Economic Bases

1 1990 U.S. Census Figures 2 Cass County 1996 Park Plan Update

3 Cass County 1997 Equalization Report, prepared by the Cass County Equalization Department

SUMMARY

Part 115 (Solid Waste Management) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, requires every county in the State of Michigan to have a solid waste management plan. This plan assures that all the non-hazardous solid waste generated in the county is collected and recovered, processed, or disposed of for a ten-year period at facilities which comply with state laws and rules. The plan is to be updated every five years. Cass County's first Solid Waste Plan was adopted in 1982 with an update being adopted in 1991.

It is important for Cass County to update its solid waste plan because the solid waste industry is continuously changing. Changes can include new technologies being developed or disposal facilities opening or closing. Changes in Cass County's demographics, transportation system, land use or economic base could also warrant changes to the solid waste plan. Updating the solid waste plan also gives the County a chance to revisit goals and objectives to see which have been met and which haven't and to investigate the reasons why. It also provides the opportunity to formulate new goals and objectives to stimulate progress in solid waste management. This plan update will present current and future waste generation data based on recent population and generation rate figures. Three alternatives have been evaluated and a strategy to effectively deal with Cass County's solid waste for the next ten years is presented.

In 1998, Cass County's total solid waste generation was 31,417 tons, with fourteen (14) percent of this being recycled. Cass County is working towards a more integrated solid waste management system. The County is reducing its reliance on landfills with the introduction of several curbside recycling and yard waste programs within the last few years.

By 1986, all of the landfills in Cass County were closed. All waste generated in Cass County is taken to other counties in Michigan and Indiana for disposal. In 1997, 52 percent of Cass County's waste was disposed of at Westside Recycling and Disposal in Saint Joseph County and 39 percent at facilities in Indiana. Cass County is serviced by several private solid waste hauling companies.

CONCLUSIONS

When observing trends in population and land use, Cass County's solid waste generation is projected to increase slightly in the next few years corresponding with a slight growth in population. After reviewing the estimated life spans of landfills in surrounding counties and in Indiana, disposal capacity should be available for Cass County's waste for at least the next ten years.

The Cass County Solid Waste Planning Committee wants to focus on increasing public awareness about solid waste issues, reducing the generation of solid waste and increasing recycling activities within the County. The Committee also believes it is important to begin to offer residents in the County an opportunity to properly dispose of household hazardous waste materials, such as oil, paint, solvents and other chemicals.

SELECTED ALTERNATIVE

is updated plan describes the current and future landfill availability around Cass County, and evaluates solid waste management alternatives for the next 10 years. After researching current and projected waste generation in the County, adequate landfill space is available to handle Cass County's waste for the next 10 years. Private companies have adequately serviced Cass County's solid waste disposal needs for many years. Cass County will continue to rely on the private sector for solid waste services. The County will also focus on increasing public awareness and recycling and waste reduction efforts. The County will also pursue opportunities to work with surrounding counties, specifically Kalamazoo and Berrien Counties, to provide household hazardous waste collection options for County residents. (See the regional proposal is in the Attachments Section.) Since there is not a staff person assigned to solid waste coordination and management within the County, several of the responsibilities of implementing the Solid Waste Plan will fall under the Solid Waste Planning Committee or other volunteer groups and also under the individual municipalities and the County Board of Commissioners.

INTRODUCTION

GOALS AND OBJECTIVES

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

(1) To utilize to the maximum extent possible the resources available in Michigan's solid waste stream through source reduction, source separation, and other means of resource recovery and;

(2) to prevent adverse effects on the public health and the environment resulting from improper solid waste collection, transportation, processing, or disposal, so as to protect the quality of the air, the land, and ground and surface waters.

This Solid Waste Management Plan works toward the following goals through actions designed to meet the objectives described under the respective goals which they support:

Goal 1: Develop appropriate and adequate funding sources to allow for implementation of the plan.

Objective 1a: Identify appropriate officials and offices that will implement and coordinate plan components.

Objective 1b: Identify funding sources for proposed programs.

Goal 2: Prevent significant adverse effects on the public health and on the environment resulting from improper solid waste collection, processing, or disposal.

Objective 2a: Develop a solid waste collection system that assures 100% of households and businesses properly dispose of their solid waste, utilizing the private sector as appropriate.

Objective 2b: Continue to provide and promote a tire collection day for the County.

Objective 2c: Encourage all townships to provide clean-up days for residents to dispose of large items.

Objective 2d: Encourage and promote programs being offered that deal with hazardous waste such as the Home-A-Syst and Farm-A-Syst programs offered by MSU Extension Office and the Department of Public Health and the Clean Sweep program offered by the Department of Agriculture and MSU Extension Office.

Objective 2e: Improve enforcement against illegal dumping of waste in unauthorized areas by enacting a county ordinance which provides for fines and other penalties and encourage witnesses to report illegal dumping.

Goal 3: By January 1, 2002, increase the percentage of citizens who understand the importance of attaining the plan's goals of waste reduction and protecting public health and the environment.

Objective 3a: Designate an ombudsman office where the public can direct questions about solid waste issues and obtain educational materials. Increase public awareness of this office's purpose.

Objective 3b: Encourage pollution prevention efforts and promote other solid waste issues and concerns by providing information to the public through participating in local activities such as the County Fair.

Objective 3c: Educate the general public about solid waste issues and disposal alternatives and also notify citizens about existing opportunities for waste reduction, reuse, recycling, composting, and household hazardous waste management through press releases to the media (radio, television, and newspapers) and by distributing information to residents through flyers, fact sheets, brochures, newsletters, or a County recycling and reuse guide.

Objective 3d: Work with curriculum committees and other appropriate groups to increase environmental education relevant to solid waste issues and conserving natural resources in schools, civic groups and at the environmental education facility at TK Lawless Park.

Goal 4: By January 1, 2004, reduce the residential solid waste stream by 18% per capita and that of governmental and business by 20% through waste reduction, recycling and composting.

Objective 4a: Increase the market potential for recyclables by encouraging government offices to adopt waste reduction policies and adopt product procurement policies for purchasing recycled content products (such as recycled paper or items containing recycled plastic lumber) when feasible.

Objective 4b: Encourage waste reduction efforts by recruiting government offices/departments and businesses to become EPA Waste Wise Partners.

Objective 4c: Continue and encourage more office paper recycling and corrugated cardboard recycling programs for government offices and private businesses in the County.

Objective 4d: Facilitate the development of **convenient** recycling and yard waste services for residents in the County.

Objective 4e: Encourage local businesses and institutions to participate in waste reduction, recycling and composting efforts by promoting waste reduction seminars and free or low cost waste audits performed by the DEQ or private waste haulers.

Objective 4f: Facilitate backyard composting by sponsoring a backyard compost bin sale.

Objective 4g: Create partnerships with private sector to implement programs relevant to waste reduction and other solid waste issues.

Goal 5: To foster and encourage regional cooperation and coordination of efforts.

Objective 5a: Maintain membership and have a representative attend meetings of the Southwest Michigan Solid Waste Consortium.

Objective 5b: Remain active with regional efforts to develop and implement a regional household hazardous waste collection program

Objective 5c: Encourage the Southwest Michigan region to develop and implement a business waste exchange program.

DATA BASE

ASTE GENERATION AND RECYCLING

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

The reported waste generation in Table II-1 is estimated using population and generation rates for residential, commercial and industrial sources. Total generation is 31,281tons per year with 75 percent of this being residential waste and the other 25 percent commercial and industrial. With recycling and composting efforts diverting about 14 percent of the waste, only 26,795 tons per year needs to be disposed of.

Table II-1. Waste Generation by Source (1995)

Source	Generation Rate (pounds/person/day)	Population (1995)	Generation (tons/year)	Percent of Total
Residential	2.6[1]	49,500[2]	23,488	75.1
Commercial(sic 50-99)	5.75*	4,761*	3,562	11.3
Industrial(sic 0-49)	Varies*	4,630*	4,231	13.5
TOTAL			31,281	100

[1] Franklin and Associates, LTD. Characterization of Municipal Solid Waste in the United States 1992 Update.
[2] 1992
[3] Michigan Department of Management and Budget. Office of State Demographer
* Refer to Table II-2 for more detailed information.

Figure II-1. Percentages of Waste Generation Sources (1995)

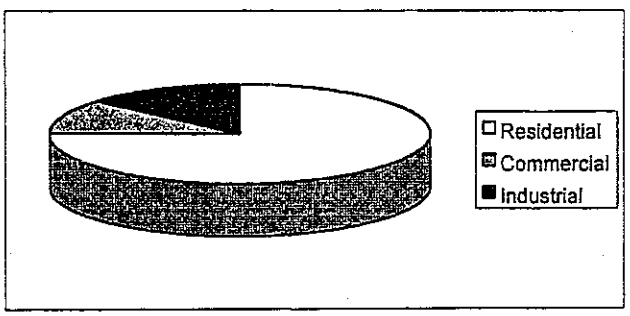


Table II-2. Detail of Commercial and Industrial Waste Generation (1995)

Sector	Number of Employees[1]	Generation Rate[2] pounds/person/day	Total Waste Generated[3] pounds/year	Total Waste Generated tons/year
COMMERCIAL				
Wholesale Trade	622	5.75	929,890	465
Retail Trade	1,882	5.75	2,813,590	1,407
FIRE[4]	308	5.75	460,460	230
Services	1,899	5.75	2,839,005	1,420
Other	54	5.75	80,730	40
Total Commercial	4,761			3,562
INDUSTRIAL				
Manufacturing	3,961	6.89	7,095,735	3,548
Transport&Utilities[5]	275	10.8	772,200	386
Agric,Forestry,Fishing[6]	68	5.75	101,660	51
Mining	13	5.75	19,435	10
Construction	316	5.75	472,420	236
Total Industrial	4,630			4,231
TOTAL	9,398			7,793

1 US Department of Commerce, Economics and Statistics Administration, Bureau of the Census County Business Patterns 1995. (Note: The number of employees for the categories of "mining" and "other" are estimated.)
2 Resource Recycling Systems Inc and Public Policy Associates, Southwest Michigan Recycling Market Development Strategy DRAFT.
3 Based on 260 work days per year
4 Finance, Insurance, Real Estate
5 Transportation and Public Utilities
6 Agricultural Services, Forestry and Fishing

Table II-3 reports the projected waste generation in Cass County based on population. The waste generated in Cass County in 1990 was 30,803 tons per year and in 2010 will increase to about 33,113 tons per year. It should be noted that these are just projections, not predictions. The amount of waste generation relies on several factors that could change in the near future. Population projections for the commercial and industrial sector are not available for the years 2005 – 2010. However, it is not expected that the industrial and commercial populations will grow significantly in the next five to ten years and as a result the waste generation for these sectors will increase slightly with corresponding growth. It is assumed that commercial and

industrial waste generation will remain at about 25 percent of the total waste being generated in Cass County. The waste generation rate for the residential sector is expected to increase from 2.6 pounds per day to 2.7 pounds per day by the year 2010 (Resource Recycling Systems Inc. and Public Policy Associates, Southwest Michigan Recycling Market Development Strategy DRAFT).

Table II-3. Projected Population and Waste Generation (1990-2010)

Year	Residential Population[1]	Residential Waste Generation (tons/year)	Commercial & Industrial Population[2]	Commercial & Industrial Waste Generation (tons/year)	Total Waste Generation (tons/year)
1990	49,477	23,477	8,278	7,326	30,803
1995	49,500	23,488	9,398	7,793	31,281
2000	49,800	23,630	Not available	7,877	31,507
2005	50,200	23,820	Not available	7,940	31,760
2010	50,400	24,835	Not available	8,278	33,113

1 US Census 1990 and Michigan Department of Management and Budget, Office of State Demographer, Jan. 1996.
2 US Department of Commerce, Economics and Statistics Administration, Bureau of the Census. County Business Patterns 1990 and 1995.

Table II-4. Waste Generation and Disposal Amount with Recycling (1995-1998)

Year	Generation (tons/year)	Percent Recycled	Recycled Amount (tons/year)	Disposed Amount (tons/year)
1995	31,281	10	3,128	28,153
1996	31,326	10	3,132	28,194
1997	31,371	12	3,764	27,607
1998	31,417	14	4,398	27,019

TOTAL QUANTITY OF SOLID WASTE GENERATED:
31,417 tons in 1998

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:
27,019 tons in 1998

DISPOSAL AREAS

Cass County has no operating landfills. There is one transfer station located near Dowagiac which is privately owned and operated by Waste Management of Michigan. Table II-5 describes the amounts and locations of where Cass County's solid waste has been sent for final disposal. The amount of waste disposed reported by the Michigan Department of Environmental Quality (DEQ) and Indiana Department of Environmental Management (DEM) was 42,965 tons in 1996 and 22,787 tons in 1997. The reported amount in 1997 (22,787 tons) agrees with the projected waste disposed of in 1997 (27,607 tons). However, the amount of waste disposed in 1996 as reported by the Michigan DEQ and Indiana DEM was quite higher than what should be expected in terms of Cass County's population. This discrepancy could be a result of several factors. There might have been a large generation source that year or there might have been an error in the reports from the landfills.

Table II-5. Disposal Areas for Waste Generated in Cass County (1996 and 1997)

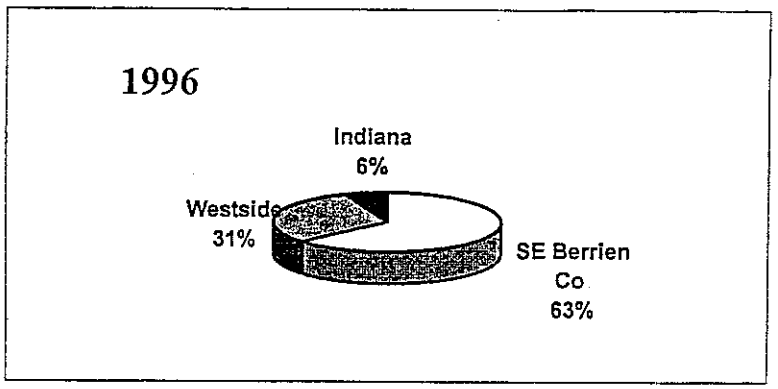
Disposal Area	Location	1996 Amount Received from Cass County in yd^3 (tons)[1]	1997Amount Received from Cass County in yd^3 (tons)[1]	Estimated Life Span[2]
Deercroft RDF	LaPorte County, IN		(6,412)	
Earth Movers Landfill	Elkhart County, IN	(2,567)	(2,371)	
Elkhart County Landfill	Elkhart County, IN	(19)	(9)	
Forest Lawn Landfill	Three Oaks, Berrien County	2	42 (14)	15 years
SE Berrien County Landfill Authority	Buchanan, Berrien County	81,731 (27,243)	5,898 (1,966)	15 -20 years
Westside Recycling and Disposal	Three Rivers, Saint Joseph County	39,409 (13,136)	36,044 (12,015)	12 years
TOTAL		128,897 (42,965)	68,361 (22,787)	

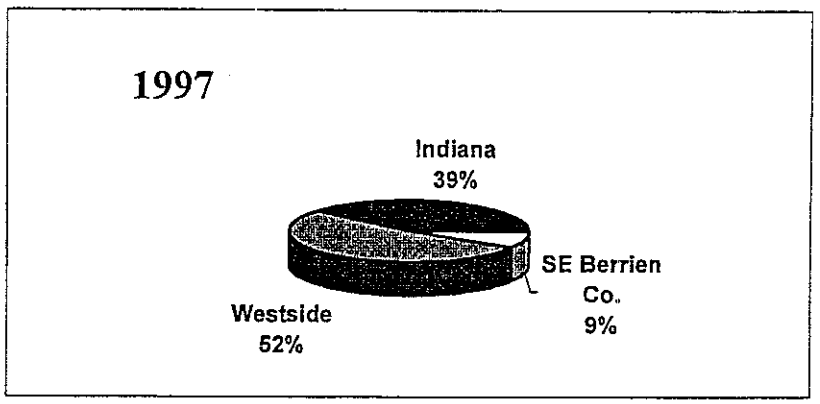
Standard Conversion: 3yd3 =1 ton

1 Michigan Department of Environmental Quality. Reports on Solid Waste Landfills in Michigan from 1996 and 1997. Indiana Department of Environmental Management, Indiana Solid Waste Quarterly Reports Database 1996 and 1997.

2 Information reported from individual disposal areas.

Figure II-2. Disposal of Cass County's Solid Waste in 1996 and 1997.





FACILITY DESCRIPTIONS OF DISPOSAL AREAS UTILIZED BY CASS COUNTY
(Available maps are in the Attachment Section.)

Facility Name: Deercroft Recycling and Disposal Facility
Facility Type: Solid Waste Landfill
County: LaPorte County, IN
Owner: private
Operating Status: Open and licensed
Waste Types Received: Residential, Commercial and Construction & Demolition
Site Size:
Total area of facility property:
Total area sited for use:
Total area permitted:
Operating:
Not excavated:
Current capacity:
Estimated lifetime:
Estimated days open per year: 310 days
Estimated yearly disposal volume: 1,006,120 tons
Annual energy production: N/A

Facility Name: Earth Movers Landfill
Facility Type: Solid Waste Landfill
County: Elkhart County, IN
Owner: private
Operating Status: Open and licensed
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition
Site Size:
Total area of facility property:
Total area sited for use:
Total area permitted:
Operating:
Not excavated:
Current capacity:
Estimated lifetime:
Estimated days open per year: 308 days
Estimated yearly disposal volume: 247,069 tons
Annual energy production: N/A

Facility Name: Elkhart County Landfill
Facility Type: Solid Waste Landfill
ounty: Elkhart County, IN
ner: Elkhart County Commissioners (public)
Operating Status: Open and licensed
Waste Types Received: Residential, Commercial and Construction & Demolition
Site Size:
Total area of facility property:
Total area sited for use:
Total area permitted:
Operating:
Not excavated:
Current capacity:
Estimated lifetime:
Estimated days open per year: 289 days
Estimated yearly disposal volume: 160,457 tons
Annual energy production: N/A

Facility Name: Forest Lawn Landfill
Facility Type: Type II Solid Waste Landfill
County: Berrien County **Location: Town:** 8S **Range:** 20W **Section(s):** 17
Owner: Forest Lawn Landfill, Inc. (private)
Operating Status: Open and licensed
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition and Special Wastes (fly ash, foundry sand, trees and stumps, wastewater sludge and asbestos)
Site Size:
Total area of facility property: 284 acres
Total area sited for use: 135 acres
Total area permitted: 135 acres
Operating: 26 acres
Not excavated: 78 acres
Current capacity: 15,900,000 yds^3
Estimated lifetime: 15 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 1,530,000 yds^3
Annual energy production: N/A

Facility Name: **Southeast Berrien County Landfill**
Facility Type: Type II Solid Waste Landfill
County: Berrien County **Location: Town:** 8S **Range:** 17W **Section(s):** 6
Owner: Southeast Berrien County Landfill Authority, Inc. (public)
Operating Status: Open, licensed, construction permit
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition, Contaminated Soils and Special Wastes (non-hazardous commercial and industrial waste and asbestos)
Site Size:
Total area of facility property: 160 acres
Total area sited for use: 150 acres
Total area permitted: 50 acres
Operating: 42 acres
Not excavated: 8 acres
Current capacity: 1.5 million yds^3
Estimated lifetime: 15 years
Estimated days open per year: 275 days
Estimated yearly disposal volume: 600,000 yds^3
Annual energy production: N/A

Facility Name: Westside Recycling and Disposal Facility
Facility Type: Type II and Type III Solid Waste Landfills
County: St. Joseph **Location: Town:** 6S **Range:** 2W **Section:** 26
Owner: Waste Management of Michigan, Inc. (private)
Operating Status: Open, licensed, construction permit
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition, Contaminated Soils, and Special Wastes (fly ash, foundry sand, trees and stumps, wastewater sludge and asbestos)
Site Size:
Total area of facility property: 640 acres
Total area sited for use: 490 acres
Total area permitted: 85 acres
Operating: 51 acres
Not excavated: 34 acres
Current capacity: 6,430,000 yds^3
Estimated lifetime: 12 years
Estimated days open per year: 300+ days
Estimated yearly disposal volume: 1,200,000 yds^3
Annual energy production:
Landfill gas recovery projects: 2 megawatts
Waste-to-energy incinerators: N/A

Facility Name: Reliable Disposal Inc.
Facility Type: Solid Waste Transfer Station
ounty: Berrien **Location: Town:** 5S **Range:** 19W **Section:** 33
ner: Reliable Disposal, Inc. (private)
Final Disposal Area: Forest Lawn, SE Berrien County, Orchard Hills
Operating Status: Open, licensed
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition, Contaminated Soils
Site Size:
Total area of facility property: 5 acres
Total area sited for use: 5 acres
Total area permitted: N/A
Current capacity: N/A
Estimated lifetime: N/A
Estimated days open per year: N/A
Estimated yearly disposal volume: N/A
Annual energy production:
Landfill gas recovery projects: N/A
Waste-to-energy incinerators: N/A

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE

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

Currently all the solid waste in Cass County is being hauled by private companies. There are several hauling companies operating in the county. The villages of Cassopolis and Marcellus have a municipal contract with Waste Management, Inc. for the collection of solid waste and curbside recycling. The village of Edwardsburg has a contract with Borden Waste Away Service, Inc. for the collection of solid waste and curbside recycling. There are four licensed hauling companies operating in the City of Dowagiac including Waste Management, Inc. of Battle Creek, Reliable Disposal of Stevensville, Michiana Recycling and Disposal of Niles, and Best Way Disposal of Watervielt. Table II-6 lists waste hauling companies operating in Cass County and the areas they serve. The listed companies responded to a survey in June 1998. Other companies that may be providing service to County residents and businesses that did not respond to the survey include: Town and Country, Three Rivers, MI; American Waste System, Union, MI; Bob's Refuse Service, Niles, MI; Borden/Himco Waste Away, Elkhart, IN; Michiana Waste, Mishawaka, IN; Able, Chesterson, IN; and Waste Management (Superior Waste Systems), Battle Creek, MI.

Table II-6. Waste Hauling Companies Serving Cass County and the Services Offered

Hauling Companies	Residential Areas Served	Commercial Services	Recycling Services	Disposal Areas Used
Best Way Disposal	Dowagiac, Silver Creek	Entire county	No residential recycling, commercial- cardboard	SE Berrien Co. Orchard Hills
BFI – Elkhart	Edwardsburg	Edwardsburg	No residential recycling, commercial- cardboard	SE Berrien Co.

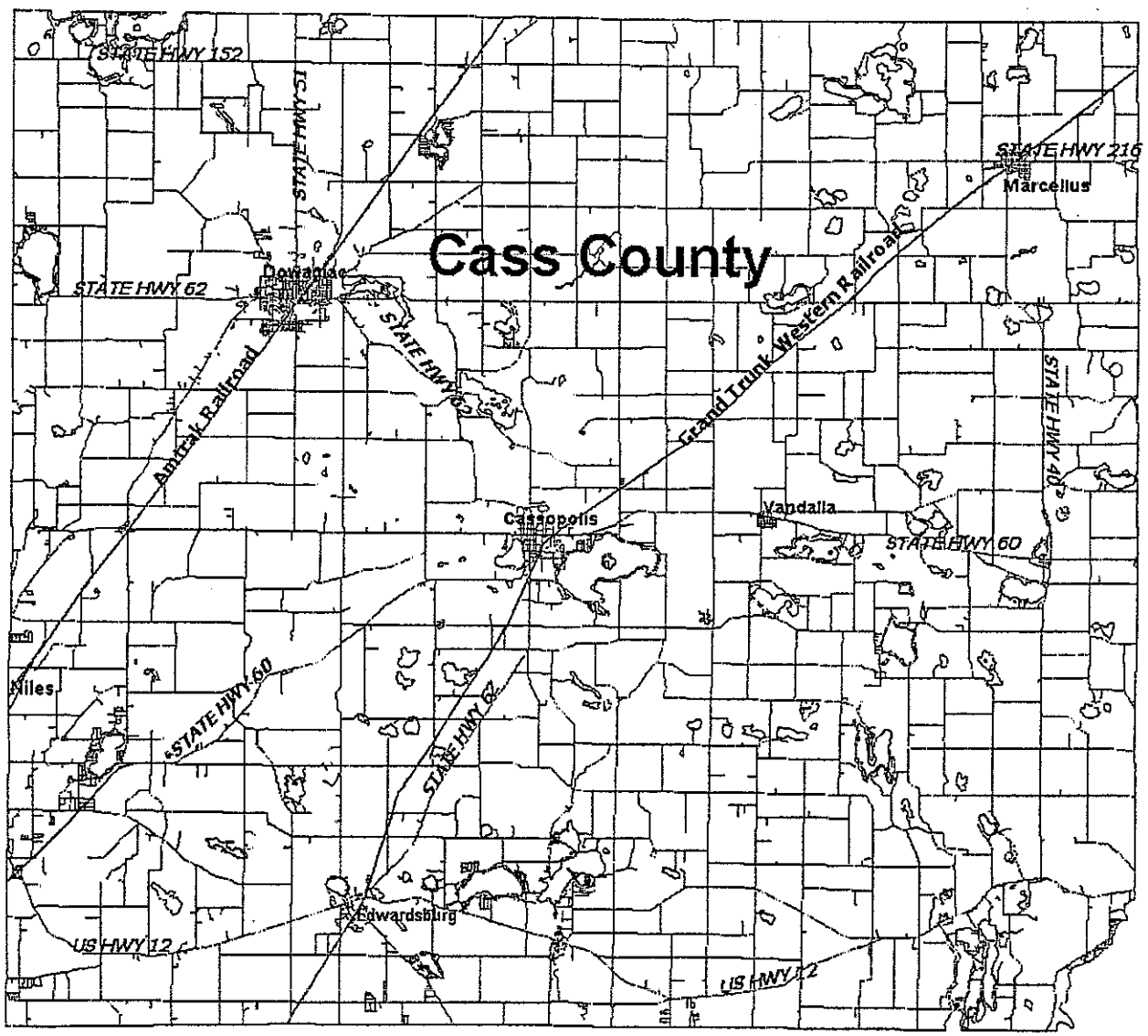
The regional transportation infrastructure is especially important because the configuration and condition of the road system influences alternatives for collection, transport, and delivery of solid waste to local and regional recycling, composting and disposal facilities. A detailed study of the road system in Cass County was completed in the 1991 plan update.

There has only been one slight change in the road infrastructure in Cass County since the last plan update. A new interchange on the Indiana 80-90 Toll Road between Elkhart and Bristol was added. This new interchange will connect with US Route 12 providing a new route for traffic heading south from M-60 on Calvin Center Road (an all weather road) to the 80-90 Toll Road.

The only other expected change in the transportation system is the Amtrack Railroad which plans to soon provide high speed rail service from Chicago to Dowagiac and on to Detroit. This may lead to impacts such as increased tourism to an increase in the population around the Dowagiac area, being that it will only be an hour and half commute by train to Chicago in the near future.

Figure II-3 shows the main routes that would be utilized by hauling companies in Cass County to transport waste to nearby landfills. The main highways in Cass County include: US Highway 12, d State Highways 40, 51, 60, 62, 216, and 152. There are also two rail lines servicing Cass nty, Amtrak and Grand Trunk Western. (Southwestern Michigan Commission. Cass County, Michigan Profile. April 1992)

Figure II-3. Transportation System in Cass County



EVALUATION OF DEFICIENCIES AND PROBLEMS

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

Improper Disposal of Solid Waste

Cass County is working to provide a more integrated solid waste management to collect and dispose of solid waste in a safe manner and to increase reduction, recycling and composting efforts. In the township areas, residents and businesses contract for solid waste services on an individual and voluntary basis With this type of system, there are often problems associated with some residents not contracting for solid waste collection and turning to alternative disposal methods such as burning, illegal dumping or theft of service. Another problem associated with individual contracted service especially in high density areas is that several hauling companies utilize the roads, resulting in the roads receiving more truck traffic than if one company were to provide collection services.

Household Hazardous Waste Disposal

Another issue pertaining to the safe disposal of solid waste is that no convenient program has been implemented to handle household hazardous waste. Currently, Cass County residents must transport household hazardous waste to Kalamazoo County for proper disposal or the SE Berrien County Landfill in Buchanan. Educational materials about proper disposal of household hazardous waste are available through the County Health Department, but are not distributed to the majority of residents. Recently, the Southwestern Michigan Solid Waste Consortium released a proposal for member counties to improve cooperation in collecting household hazardous waste. The proposal was sent to the Chair of the County Board of Commissioners for review. The proposed regional effort would improve access to household hazardous waste collections in a cost effective manner, in order to maximize participation. The solid waste planning committee has in its goals and objectives to participate in this effort.

Convenient Recycling and Yard Waste Programs

The villages have curbside recycling and yard waste programs. However, convenient recycling and yard waste services are not available in the township areas. The residents living in the townships must travel out of county to drop off recyclables or use the one drop-off location in Dowagiac which only accepts tin cans, aluminum cans, newspaper and cardboard from residents.

Public Awareness

Educating the public about the options available and proper disposal is a major challenge across the entire spectrum of solid waste issues. There are few resources available in the County to educate the public about waste reduction, reuse, recycling, composting and household hazardous waste disposal. The other problem with solid waste education in the county is that there is no central office or person dedicated to offer public assistance in regards to information on recycling and other solid waste issues and to coordinate solid waste programs.

In 1996, interviews of municipal officials indicated the following issues were of concern; household hazardous waste collection, composting education, residential recycling opportunities, tire collections and business recycling opportunities.

DEMOGRAPHICS

he following presents the current and projected population densities and centers, identification of rent and projected centers of solid waste generation including industrial solid waste for five and ten year periods as related to the Selected Solid Waste Management System for the next five and ten year periods. Solid waste generation data is expressed in tons or cubic yards, and if it was extrapolated from yearly data, then it was calculated by using 365 days per year, or another number of days as indicated.

Projected population densities and centers will help identify areas where solid waste generation will be occurring in the future. Effective and efficient solid waste management alternatives must be evaluated with regard to the population density of an area. For example, curbside collection of recycables is not efficient in low housing density areas. In this type of situation, drop-off recycling is more economical. In commercial and industrial clusters, specific materials can be targeted for recycling or composting opportunities.

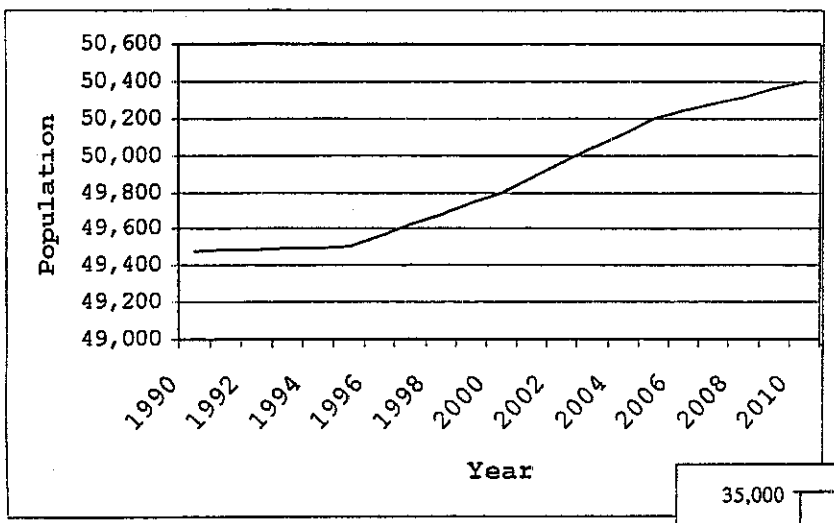
Cass County has no large urban areas. The major population centers include: the City of Dowagiac, Cassopolis Village, Silver Creek Township, Howard Township, Ontwa Township, Porter Township and La Grange Township. The population of Cass County experienced a period of growth between 1970 to 1980 of 14.3 percent. However, Cass County's population experienced a 0 percent change from 1980 to 1990 and only a 0.3 percent increase from 1990 to 1995 (1970, 1980 and 1990 US Census of Population and Housing). There has been an increase in the number of households in the county, but the population has not been increasing greatly ause of the continued trend of having fewer people per household. It is expected that population growth will occur along the Indiana border, as Elkhart and South Bend continue to experience urban sprawl. Population density also continues to grow around the many lakes within Cass County. The City of Dowagiac and surrounding areas may see some growth as a result of the high speed rail service being implemented by Amtrak.

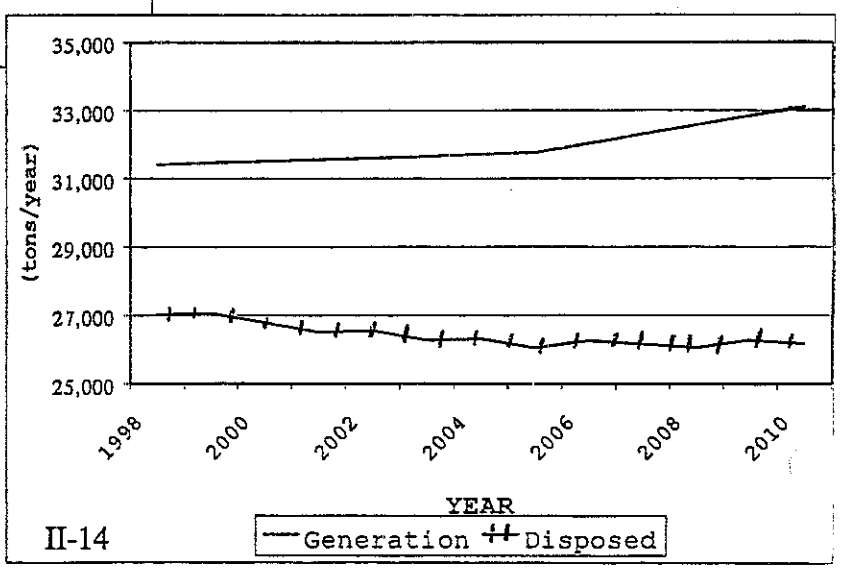
Table II-7 and Figure II-4 illustrate the projected waste generation and amount needing disposal with recycling until the year 2010. Waste generation will grow slightly with population growth but the amount needing disposal will grow slower with increased recycling rates. The increased recycling rates will be contingent upon communities having greater access to recycling services and more materials being collected. From 1998 until 2010, Cass County is expected to generate a total of 415,539 tons of solid waste and recycle 72,064 tons, leaving 343,475 tons for disposal.

Table II-7. Projected Waste Generation and Disposal Amount with Recycling (1998-2010).

Year	Generation (tons/year)	Percent Recycled	Tons Recycled	Tons Needing Disposal
1998	31,417	14	4,398	27,019
1999	31,462	14	4,405	27,057
2000	31,507	15	4,726	26,781
2001	31,558	16	5,049	26,509
2002	31,608	16	5,057	26,551
2003	31,659	17	5,382	26,277
2004	31,709	17	5,391	26,318
2005	31,760	18	5,717	26,043
2006	32,031	18	5,766	26,265
2007	32,301	19	6,137	26,164
2008	32,572	20	6,514	26,058
2009	32,842	20	6,568	26,274
2010	33,113	21	6,954	26,159
TOTAL	415,539		72,064	343,475

Figure II-4. Projected Population and Waste Generation and Disposal Amounts (1998-2010)





Cass County is especially well known for primary metals and recreational vehicle manufacturing. The Michigan Environmental Directory lists three large generators in the City of Dowagiac, which include Ameriwood Ind. Corporation, Mennel Milling Co. and Contech. Table II-8 lists major employers in Cass County. In 1997, the US Department of Commerce reported that there were 194 retail trade and 32 wholesale trade (durable goods) establishments in Cass County.

Table II-8. Cass County Major Employers

SIC	Firm	Location	No. of Employees	Product
		Manufacturing[1]		
3792	Georgie Boy Manufacturing, Inc.	Edwardsburg	400	Recreational Vehicles
3363	Contech	Dowagiac	387	Aluminum, zinc die casting for auto parts
2511	Ameriwood Furniture Co.	Dowagiac	290	Stereo racks & unassembled furniture
3365	ICG/Aluminum	Dowagiac	260	Aluminum die castings
3351	National Copper Products Inc.	Dowagiac	250	Level wound copper, cap, & groove tubing
3599	K&M Machine-Fabricating Inc.	Cassopolis	150	Heavy machining & welding, boring machinery, stainless steel
3069	Creative Foam Corp.	Dowagiac	150	Foam fabricating
3716	Glaval Corp.	Edwardsburg	122	Van Conversions
3089	Duo-Foam Corp	Edwardsburg	100	Recreational vehicle plastic bathtubs
3088	Lyons Industries Inc.	Dowagiac	100	Bath tubs, shower units, whirlpools
		Other Employers[2]		
8222	Southwestern Michigan College	Dowagiac	711	Education
7389	Jefferson Smurfit Corp., US	Cassopolis	250	Business services
8062	Lee Memorial Hospital Corp.	Dowagiac	220	Health care
8051	Dowagiac Nursing Home Inc.	Dowagiac	130	Health care
8211	Dowagiac Union School District	Dowagiac	78	School/education
9121	Cass County	Cassopolis	75	Government
5411	Murks Village Market, Inc.	Dowagiac	70	Grocery stores
8063	Cass Hospital	Cassopolis	70	Psychiatric hospitals
5812	Mark Dahlke	Dowagiac	70	Eating places
8231	Dowagiac Public Library	Dowagiac	61	Libraries

[1] Harris Publishing Company, 1998 Industrial Directory [2] Local County Economic Development

LAND DEVELOPMENT

The following describes current and projected land development patterns, as related to the Selected Solid Waste Management System, for the next five and ten year periods.

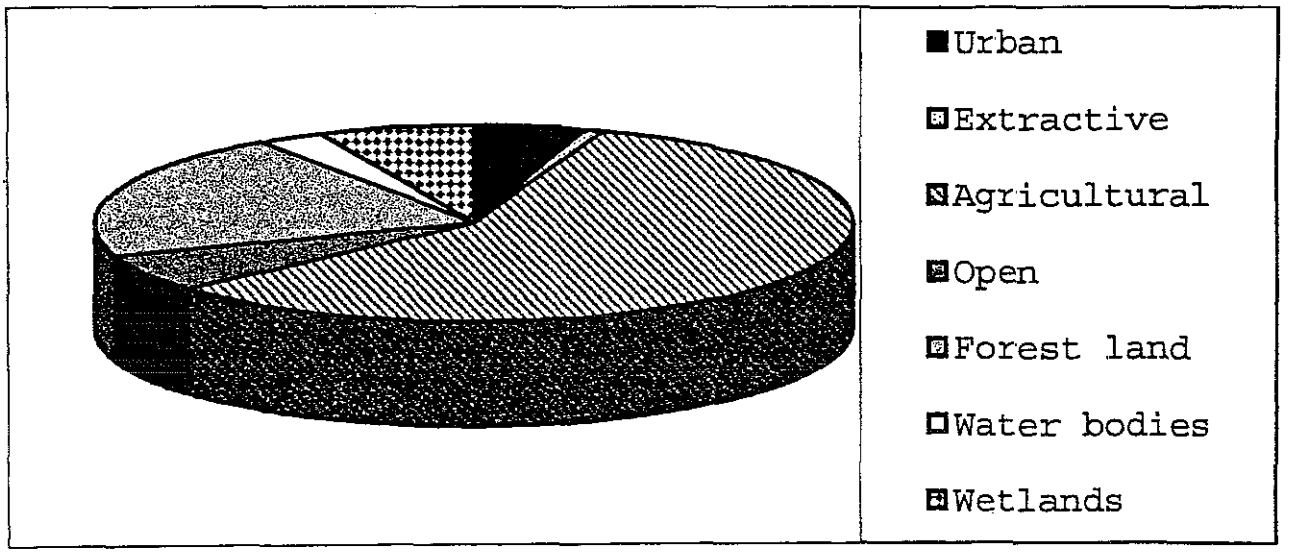
The type, location, patterns of density and timing of land use are critical to determining the waste load to be managed and transported. Little change in land-use has occurred in the past seven years. Cass County is primarily a rural county (81 percent) with several small population centers (no large urban areas). According to Table II-9 and Figure II-5, most of the land in Cass County is used for agriculture. Agriculture is the principle industry in the county, with livestock and grain crops being the most important. Cass County is the largest swine producer in the State and also produces a variety of fruits. Since much of the county is rural, programs that are suited for low density populations should be encouraged. Programs that target the agricultural industry should also be considered and encouraged.

Table II-9. Land Use in Cass County[1]

Classification	Acres	Percent of Total
Urban and built up land	15248.6	4.67
Extractive Mineral Lands, open and recreation	2438.7	0.74
Agricultural	189728.2	58.29
Open land and range land	19518.3	6.09
Forest land	68215.3	20.96
Water bodies	9013.4	2.76
Wetlands	21391.6	6.58

1 Cass County Current Use Inventory, Michigan Department of Natural Resources, September 1986.

Figure II-5. Percentage of Land Use in Cass County



SOLID WASTE MANAGEMENT ALTERNATIVES

The following briefly describes all solid waste management systems considered by the County and how each alternative will meet the needs of the County. The manner of evaluation and ranking of each alternative is also described. Details regarding the Selected Alternative are located in the following section and Appendix A. Details regarding each non-selected alternative are located in Appendix B.

Alternative #1 (status quo): The County would continue the current solid waste management system which includes collection by private solid waste hauling companies and disposal at out-of-county private and public landfills. Recycling and yard waste programs are available in a few communities. The private sector provides efficient and effective solid waste collection services for the County. The deficiencies with this system are the lack of a coordinated education effort, recycling options and household hazardous waste collection.

Alternative #2 (household hazardous waste and recycling opportunities): The County would continue the system mentioned in Alternative #1 with private collection and out-of-county disposal. The County would increase public awareness about solid waste issues, participate in a regional household hazardous waste collection program and also facilitate the development of convenient drop-off recycling programs for residents. This alternative would address three of the major deficiencies of the current solid waste system. (A proposal for the regional household hazardous waste collection program is included in the Attachment Section.)

Alternative #3 (solid waste coordinator): The County would continue the current system in Alternative #1. The County would also hire a pat-time or full-time solid waste coordinator to focus on educating and coordinating recycling, composting and household hazardous waste programs for residents and businesses. Having someone in the County responsible for solid waste management programs and education would provide a more coordinated approach to increase waste reduction and recycling efforts.

The Solid Waste Committee discussed the advantages and disadvantages of the three alternatives. After evaluation, the committee chose alternative #2. This alternative would guide the County toward meeting the solid waste management goals and objectives with the realization that resources for implementation are limited. Alternative #3 was the best alternative in terms of reaching the County's goals and objectives, but resources for implementation of Alternative #3 are not currently available. The details of this alternative are in Appendix B.

THE SELECTED SOLID WASTE MANAGEMENT SYSTEM

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

Alternative #2 was selected for the solid waste management system in Cass County.

Waste Reduction/Pollution Prevention/Resource Conservation:

- Continue the Home A Syst and Farm A Syst programs for residents provided by the MSU Extension Office and the County Public Health Department. These programs address household hazardous waste use and disposal.
- Continue to provide educational material about household hazardous waste disposal through the County Public Health Department
- Continue to offer a Clean Sweep program to collect pesticides and other chemicals from farm operations through the MSU Extension Office and the Department of Agriculture.
- Participate in a regional household hazardous waste collection program as proposed by the Southwest Michigan Solid Waste Consortium.

Resource Recovery, Recycling and Composting Efforts:

- Continue to offer voluntary curbside recycling programs in the villages through contracts with private hauling companies.
- The County will continue to provide a tire collection event twice a year.
- The County will continue and expand their Office Paper Recycling Program.
- Maintain public composting sites which are available in some villages and the City of Dowagiac.
- The County will facilitate the development of convenient recycling drop-off programs for residents throughout the County.

Collection Processes and Transportation:

- Curbside solid waste collection services are provided by the private sector either through individual subscriptions or municipal contracts. Some of the private companies offer yard waste collection and recycling.
- Continue yard waste (leaves and brush) collection in the villages and the City of Dowagiac.
- Residents can continue to haul their solid waste to a transfer station, recycling drop-off, compost site or landfill.

Volume Reduction:

- Solid waste volume may be reduced by the private sector during collection, processing or disposal.

Sanitary Landfill:

- All solid waste from Cass County is disposed at out-of-county approved sanitary landfills.

Institutional Arrangements:

- The County mostly relies on the private sector for solid waste collection, transportation, processing and disposal.
- A few villages have contracts with private companies to provide solid waste services for their residents.

Implementation Responsibility:

- The County Board of Commissioners is responsible for the implementation of the Solid Waste Management Plan. The Board may receive assistance from the Solid Waste Planning Committee or the Recycling Committee. The Solid Waste Planning Committee is also working with an intern from Southwestern Michigan College to develop and begin implementation of a solid waste education plan for the County.

IMPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within Cass County, disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED below.

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE:
Not Applicable

If a new solid waste disposal area is constructed and operating in the future in Cass County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS below.

FUTURE IMPORT VOLUME AUTHORIZATION OF SOLID WASTE CONTINGENT ON NEW FACILITIES BEING SITED:
Cass County will allow importation to new facilities within the County from any Michigan county with an agreement to accept Cass County's solid waste on a reciprocal basis.

EXPORT AUTHORIZATION

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

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE:

Exporting County	Importing County	Facility	Authorized Quantity	Authorized Conditions
Cass	Barry	City Environmental Services	Up to 100%	Primary
Cass	Berrien	Forest Lawn, Orchard Hill, SE Berrien	Up to 100%	Primary
Cass	Calhoun	C&C Landfill	Up to 100%	Primary
Cass	Ionia	Pitsch Landfill	Up to 100%	Special Wastes*
Cass	Oakland	Auburn Hills	Up to 100%	Primary
Cass	Ottawa	Autumn Hills, Ottawa Farms	1,500,00 ton/yr.	Primary
Cass	St. Joseph	Westside Landfill	Up to 100%	Primary
Cass	Wastenaw	Arbor Hills Landfill	500,000 yd3/yr.	Primary
Cass	Wayne	Woodland Meadows, Sauk Trail Hills	Up to 100%	Primary

*street sweepings, asbestos

Export authorization with any other Michigan county which authorizes such import of waste up to 100 percent will also be acceptable (this includes Kalamazoo, Clare and Monroe).

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

FUTURE EXPORT VOLUME AUTHORIZATION OF SOLID WASTE CONTINGENT ON NEW FACILITIES BEING SITED:

Cass County may export up to 100 percent of its solid waste to any of the following counties whose Solid Waste Management Plans specifically allow for importation of solid waste from Cass County. Exportation will be subject to all waste volume or composition restrictions by the importing county's plan. Some of the counties may not currently have facilities, but if facilities are constructed authorization for import will be considered acceptable.

Alcona	Crawford	Iosco	Manistee	Osceola
Alger	Delta	Iron	Marquette	Oscoda
Allegan	Dickinson	Isabella	Mason	Otsego
Apena	Eaton	Jackson	Mecosta	Presque Isle
Arenac	Emmet	Kalamazoo	Menominee	Roscommon
Baraga	Genesee	Kalkaska	Missaukee	Saginaw
Bay	Gladwin	Kent	Monroe	Sanilac
Benzie	Gogebic	Keweenaw	Montcalm	Schoolcraft
Branch	Grand Traverse	Lake	Montmorency	Shiawassee
Charlevoix	Gratiot	Lapeer	Muskegon	St. Clair
Cheboygan	Hillsdale	Leelanau	Newaygp	Tuscola
Chippewa	Houghton	Lenawee	Oceana	Van Buren
Clare	Huron	Livingston	Ogemaw	Wexford
Clinton	Ingham	Luce	Ontonagon	

SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages III-6 through III-12 contain descriptions of the solid waste disposal facilities which are located within the County and the disposal facilities located outside of the County which will be utilized by Cass County for the planning period. Additional facilities within the County with applicable permits and licenses may be utilized as they are sited by this Plan, or amended into this Plan, and become available for disposal. If this Plan update is amended to identify additional facilities in other counties outside the County, those facilities may only be used if such import is authorized in the receiving County's Plan. Facilities outside of Michigan may also be used if legally available for such use.

Type II Landfill:
Arbor Hills Landfill
Autumn Hills RDF
C&C Landfill
City Environmental Services Landfill Inc.
Forest Lawn Landfill
Northern Oaks RDF
Orchard Hills Landfill
Ottawa County Farms Landfill
Pitsch Landfill
Oak Trail Hills
Southeast Berrien County Landfill
Westside Recycling and Disposal Facility
Vienna Junction Landfill
Woodland Meadows RDF

Type III Landfill:
Westside Recycling and Disposal Facility

Landfills Located in Indiana:
Earth Movers Landfill
Elkhart County Landfill
Deercroft RDF
National Serv-All

Type A Transfer Facility:
Cork Street Transfer Station
Waste Mgt. of MI -Western Transfer Station
Michiana Recycling and Disposal
Reliable Disposal, Inc.

Type B Transfer Facility:

Letters from or agreements with the listed disposal areas owners/operators stating their facility capacity and willingness to accept the County's solid waste are in the Attachments Section

FACILITY DESCRIPTIONS

Cass County intends to continue to use the facilities listed in Section II for disposal. See Section II (pages II-6 through II-9) for facility descriptions of the following disposal areas:
Deercroft Recycling and Disposal Facility
Earth Movers Landfill
Elkhart County Landfill
Forest Lawn Landfill
Southeast Berrien County Landfill
Westside Recycling and Disposal Facility

Facility Name: Arbor Hills Landfill
Facility Type: Type II Solid Waste Landfill
County: Washtenaw, Salem Township
Owner: BFI Waste Systems of North America, Inc. (private)
Operating Status: open
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (non-hazardous solid & semi-solid wastes, no hazardous or liquid wastes)
Site Size:
Total area of facility property: 936 acres
Total area sited for use: 356 acres
Total area permitted: 217 acres
Operating: 113 acres
Not excavated: 104 acres
Current capacity: 30,500,000 yds3 airspace or 61.5 million yd3 capacity
Estimated lifetime: 176 years
Estimated days open per year: 265 days
Estimated yearly disposal volume: 3,500,000 yd3
Annual energy production:
Landfill gas recovery projects: 18 megawatts
Waste-to-energy incinerators: N/A

Facility Name: Autumn Hills Recycling and Disposal Facility
Facility Type: Type II Solid Waste Landfill
County: Ottawa **Location: Town:** 5N **Range:** 14W **Section(s):** 36
Owner: Waste Management of Michigan, Inc (private)
Operating Status: open, licensed, construction permit
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (foundry sands, sludges, fly ash, etc.), solidification, yard waste
Site Size:
Total area of facility property: 314 acres
Total area sited for use: 197 acres
Total area permitted: 99.3 acres
Operating: 35.1 acres
Not excavated: 64.2 acres
Current capacity: 20.75 million tons
Estimated lifetime: 30.2 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 500,000 tons
Annual energy production: N/A

Facility Name: C & C Landfill
Facility Type: Type II Solid Waste Landfill
County: Calhoun, Convis Township **Location: Town: Range: Section(s):**
Owner: BFI Waste Systems of North America, Inc.
Operating Status: open, licensed
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (non-hazardous solid and semi-solid wastes, no hazardous or liquid waste)
Site Size:
Total area of facility property: 224 acres
Total area sited for use:
Total area permitted: 154 acres
Operating: 33 acres
Not excavated: 21 acres
Current capacity: 3,360,000 yds3 (does not include Type III airspace)
Estimated lifetime: 7 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 1,100,000 yds3 at gate
Annual energy production: N/A

Facility Name: City Environmental Services Landfill, Inc. of Hastings
Facility Type: Type II Solid Waste Landfill
County: Barry **Location: Town:** 3W **Range:** 8N **Section(s):** 6
Owner: U.S. Waste (private)
Operating Status: open, licensed, construction permit
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (foundry sand, fly ash, municipal wastewater sludges, trees and stumps), asbestos
Site Size:
Total area of facility property: 330 acres
Total area sited for use: 330 acres
Total area permitted: 48 acres
Operating: 19.5 acres
Not excavated: 28.5 acres
Current capacity: 5,000,000 yds3
Estimated lifetime: 10+ years
Estimated days open per year: 308 days
Estimated yearly disposal volume: 175,000 tons
Annual energy production: N/A

Facility Name: National Serv-All
Facility Type: Solid Waste Landfill and Transfer Stations
County: Allen, IN **Location: Town:** 30N **Range:** 12E **Section(s):** 30
Owner: Republic Industries (private)
Operating Status: open, licensed
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (industrial process waste, sludges, pollution control waste, incinerator residues, asbestos)
Site Size:
Total area of facility property: 265 acres
Total area sited for use: 519 acres
Total area permitted: 204 acres
Operating: 166 acres
Not excavated: 38 acres
Current capacity: 9.5 million yds3
Estimated lifetime: 9 years
Estimated days open per year: 276 days
Estimated yearly disposal volume: 720,000 tons
Annual energy production:
Landfill gas recovery projects: 5.4 million therms (medium BTU gas recovery)
Waste-to-energy incinerators: N/A

Facility Name: Northern Oaks Recycling and Disposal Facility
Facility Type: Type II Solid Waste Landfill
County: Clare **Location: Town:** 19N **Range:** 4W **Section(s):** 32
Owner: Waste Management of Michigan, Inc. (private)
Operating Status: open, licensed
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (WWTP filter cake, sludge)
Site Size:
Total area of facility property: 160 acres
Total area sited for use: 76 acres
Total area permitted: 76 acres
Operating: 19 acres
Not excavated: 57 acres
Current capacity: 8,755,100 yds3
Estimated lifetime: 43 years
Estimated days open per year: 260 days
Estimated yearly disposal volume: 409,000 yds3
Annual energy production: N/A

Facility Name: Ottawa County Farms Landfill
Facility Type: Type II Solid Waste Landfill
County: Ottawa **Location: Town:** 8N **Range:** 14W **Section(s):** 26 &27
Owner: Allied Waste Systems (private)
Operating Status: open, licensed, construction permit
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes
Site Size:
Total area of facility property: 240 acres
Total area sited for use: 197 acres
Total area permitted: 240 acres
Operating: 37 acres
Not excavated: 125 acres
Current capacity: 16,500,000 yds3
Estimated lifetime: 25-30 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 500,000 tons
Annual energy production:
Landfill gas recovery projects: 4,565 megawatts
Waste-to-energy incinerators: N/A

Facility Name: Pitsch Sanitary Landfill
Facility Type: Type II Solid Waste Landfill
County: Ionia **Location: Town:** 8N **Range:** 7W **Section(s):** 7
Owner: Pitsch Companies (private)
Operating Status: open
Waste Types Received: residential, commercial, construction & demolition, contaminated soils, special wastes (street sweepings, asbestos)
Site Size:
Total area of facility property: 143.5 acres
Total area sited for use: 28.36 acres (41.28 acres proposed expansion)
Total area permitted: 78.44 acres
Operating: 9.87 acres
Not excavated: 70 acres
Current capacity: 415,000 tons (with expansion 4,500,000 yds3)
Estimated lifetime: 5 years (with expansion 22 years)
Estimated days open per year: 307 days
Estimated yearly disposal volume: 83,000 tons
Annual energy production: N/A

Facility Name: Vienna Junction Industrial Park Sanitary Landfill
Facility Type: Type II Solid Waste Landfill
County: Monroe **Location: Town:** 9S and 8S **Range:** 8E **Section(s):** 5 & 6, 31 & 32
Owner:
Operating Status: open, licensed, construction permit
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (asbestos, etc.)
Site Size:
Total area of facility property: 226 acres
Total area sited for use: 149 acres
Total area permitted:
Operating: 56 acres
Not excavated: 40 acres (53 acres closed)
Current capacity: 11,400,000 yds3
Estimated lifetime: 25 years
Estimated days open per year: 280 days
Estimated yearly disposal volume: 1,000,000 yds3
Annual energy production: unknown

Facility Name: Woodland Meadows Recycling and Disposal Facility – Van Buren
Facility Type: Municipal Solid Waste Landfill
County: Wayne **Location: Town:** 3S **Range:** 8E **Section(s):** 1
Owner: Waste Management of Michigan, Inc. (private)
Operating Status: open, licensed, construction permit
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (sludges at least 30 percent solids)
Site Size:
Total area of facility property: 214 acres
Total area sited for use: 214 acres
Total area permitted: 148 acres
Operating: 70 acres
Not excavated: 78 acres
Current capacity: 26,520,800 yds3
Estimated lifetime: 19.8 years
Estimated days open per year: 305 days
Estimated yearly disposal volume: 1,340,200 yds3
Annual energy production:
Landfill gas recovery projects: 400,000 megawatts
Waste-to-energy incinerators: N/A

Facility Name: Cork Street Transfer Station
Facility Type: Solid Waste Transfer Station
County: Kalamazoo
Final Disposal: C&C Landfill
Owner: BFI Waste Systems of North America, Inc. (private)
Operating Status: open, licensed
Waste Types Received: residential, commercial, construction & demolition, special wastes (paper fibers)
Site Size:
Total area of facility property: 2.8 acres
Total area sited for use: 2.8 acres
Total area permitted: 2.8 acres
Operating: 2.8 acres
Not excavated: N/A
Current capacity: 1,300 yds3
Estimated lifetime:
Estimated days open per year: 304 days
Estimated yearly disposal volume: 400,000 yds3
Annual energy production: N/A

Facility Name: Waste Management of Michigan - Western Transfer Station
Facility Type: Solid Waste Transfer Station
County: Cass **Location: Town:** 6S **Range:** 16W **Section:** 10
Final Disposal: Westside RDF, Three Rivers, MI
Owner: Waste Management of Michigan, Inc. (private)
Operating Status: open, licensed
Waste Types Received: residential, commercial, industrial, construction & demolition, contaminated soils, special wastes (sludges, grit - must be profiled and approved prior to disposal)
Site Size:
Total area of facility property: 23.6 acres
Total area sited for use:
Total area permitted:
Operating:
Not excavated: N/A
Current capacity: 700 yds3/day
Estimated lifetime: 30+ years
Estimated days open per year: 258 days
Estimated yearly disposal volume: 180,600 yds3
Annual energy production: N/A

Facility Name: Reliable Disposal Inc.
Facility Type: Solid Waste Transfer Station
County: Berrien **Location: Town:** 5S **Range:** 19W **Section:** 33
Owner: Reliable Disposal, Inc. (private)
Final Disposal Area: Forest Lawn, SE Berrien County, Orchard Hills
Operating Status: Open, licensed
Waste Types Received: Residential, Commercial, Industrial, Construction & Demolition, Contaminated Soils
Site Size:
Total area of facility property: 5 acres
Total area sited for use: 5 acres
Total area permitted: N/A
Current capacity: N/A
Estimated lifetime: N/A
Estimated days open per year: N/A
Estimated yearly disposal volume: N/A
Annual energy production:
Landfill gas recovery projects: N/A
Waste-to-energy incinerators: N/A

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION

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

Solid waste collection services will continue to be provided by the private sector. The transportation infrastructure utilized will include the major roads in the county as shown on Figure II-3 in Section II.

RESOURCE CONSERVATION EFFORTS

The following describes the selected system's proposed conservation efforts to reduce the amount of solid waste generated throughout the County. The annual amount of solid waste currently or proposed to be diverted from landfills and incinerators is estimated in Table III-4. Since conservation efforts are provided voluntarily and change with technologies and public awareness, it is not this Plan update's intention to limit the efforts to only what is listed. Instead citizens, businesses, and industries are encouraged to explore the options available to their lifestyles, practices, and processes that will reduce the amount of materials requiring disposal.

The selected system encourages the continuation of resource conservation efforts and also the establishment of a household hazardous waste collection program and also the development of recycling drop-off centers throughout the County. There is also an emphasis on increasing public awareness about solid waste issues to meet several of the goals and objectives for the County.

WASTE REDUCTION, RECYCLING, & COMPOSTING PROGRAMS

Volume Reduction Techniques

Currently, the only volume reduction techniques being used are those by the private sector in the collection, transportation, processing and disposal of solid waste. 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 the County are encouraged to utilize the technique that provides the most efficient and practical volume reduction for their needs.

Overview of Resource Recovery Programs

The following describes the type and volume of material in the County's waste stream that may be available for recycling or composting programs. How conditions in the County affect or may affect a recycling or composting program and potential benefits derived from these programs is also discussed. Impediments to recycling or composting programs which exist or which may exist in the future are listed, followed by a discussion regarding reducing or eliminating such impediments.

The amount of waste generated in Cass County is currently about 32,000 tons per year with about 28,000 tons needing disposal with a 14 percent recycling rate. All the villages in the county have curbside recycling and yard waste programs in place The City of Dowagiac has a yard waste program and recycling is available for an extra fee through the waste hauling companies. Most of the township areas do not have curbside recycling or a yard waste program. Some of the residents in the township areas take their recyclables to recycling centers or drop-offs in St. Joseph County and Berrien County, Michigan or to sites in Indiana.

The low population density in many parts of the county make it difficult for waste hauling companies to provide curbside recycling services. The low population density along with low participation rates in rural areas coupled with unstable markets often make curbside recycling to expensive to offer in rural areas. A possible solution would be to have the private sector provide four or five convenient drop-off centers throughout the County for residents to recycle.

The hauling companies have banned the collection of yard waste with regular trash pick-up. Some hauling companies offer separate yard waste collection. Yard waste programs are in place in the villages and the City of Dowagiac. Most of the programs are provided by the villages or city, except in Edwardsburg the service is provided by the waste hauling company under municipal contract. The City of Dowagiac noted the difficulty of finding markets for the collected and processed materials. The township areas currently do not have yard waste programs. Many residents in rural areas do not need yard waste collection programs because they dispose of yard waste on their own property.

One approach to deal with yard waste would be to create a regional facility that would have a larger economy of scale for a successful operation. The other approach is to promote backyard composting as an alternative for dealing with yard waste. Backyard composting can be promoted through educational and informational campaigns. It can also be promoted by the County sponsoring a backyard compost bin sale.

The collection of household hazardous waste is a high priority for Cass County. Currently, the County has two tire collections a year. The Department of Agriculture and MSU Extension Office sponsor a Clean Sweep for agricultural pesticides and chemicals twice a year. However, there are not many options available for the disposal of household hazardous waste (paint, oil, solvents, pool chemicals, etc.) The County does not have a funding mechanism in place to provide for a household hazardous waste program which can be extremely expensive.

One option would be to coordinate with other Southwestern Michigan counties to establish a regional program. A proposal for this type of program has been forwarded to Cass County by the Southwest Michigan Solid Waste Consortium. (See proposal in Attachments Section.) This option would also require a funding source, but it may be less than if Cass County were to provide a household hazardous waste program by itself. An educational and informational campaign needs to be implemented to educate the public about proper disposal methods for different types of household hazardous waste.

The feasibility of offering more convenient recycling options and a household hazardous waste program is being investigated by the Solid Waste Management Planning Committee. Yard waste and composting programs are being dealt with at the municipality level.

Recycling And Composting

The following is a brief analysis of the recycling and composting programs selected for the County in this Plan. Additional information on the operation of recycling and composting programs is included in Appendix A. The tables III-1, III-2, and III-3 list the existing recycling, composting, and source separation of hazardous materials programs that are currently active in the County and which are expected to be continued as part of this Plan. The recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County are listed below. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

Table III-1. Recycling programs in Cass County.

Program	Service Area	Public or Private Operation	Collection Frequency	Materials Collected	Program Management Responsibility
Curbside Programs:					
Cassopolis	Cassopolis	Private	Biweekly	Plastics, newspaper, corrugated, other paper, glass, metals	Village of Cassopolis
Edwardsburg	Edwardsburg	Private	Weekly	Plastics, newspaper, glass, metals	Village of Edwardsburg
Marcellus	Marcellus	Private	Monthly	Plastics, newspaper, other paper, metals	Village of Marcellus
Other Programs:					
County Paper Recycling	Cass County	Private	Pick-up varies	Paper, glass	Cass County
Franklin & Son	Located near Dowagiac	Private	Daily (drop-off)	Newspaper, other paper, metals	None
Michiana Recycling & Disposal	Located east of Niles in Howard Twp	Private	Monday - Friday (drop-off)	Cardboard, newspaper, glass, 1 & 2 plastics, aluminum	None

Proposed Recycling: The County will facilitate the development of recycling drop-off service provided by the private sector and townships. It may be beneficial for two or more townships to share the cost of a recycling drop-off center for their residents. A private company could provide roll-off containers once a month at different locations throughout the County.

Table III-2. Yard waste programs in Cass County.

Program	Service Area	Public or Private Operation	Collection Frequency	Materials Collected	Program Management Responsibility
Yard Waste Composting	Dowagiac	Public	Curbside biweekly and drop-off daily	Grass clippings, leaves, wood	City of Dowagiac
Yard Waste Collection	Cassopolis	Public	Curbside	Grass clippings, leaves, wood	Village of Cassopolis
Yard Waste Collection	Edwardsburg	Private	Curbside weekly	Grass clippings, leaves, wood	Village of Edwardsburg
Leaf Collection	Marcellus	Public	Curbside as needed	Leaves	Village of Marcellus

Proposed Composting: There are no proposed composting programs at this time. The County may consider sponsoring a backyard compost bin sale in the future.

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

Table III-3. Source separation of potentially hazardous materials in Cass County.

Program	Service Area	Public or Private Operation	Collection Frequency	Materials Collected	Program Management Responsibility
Clean Sweep	Cass & Berrien Counties	Public	Drop-off twice a year	Pesticides and herbicides, other farm chemicals	Dept. of Agriculture & MSU Extension
Tire Collection	Cass County	Public & Private	Drop-off twice a year	Tires	MSU Extension & Recycling Committee

Proposed Source Separation of Potentially Hazardous Materials: The County is considering participation in a regional household hazardous waste program that was proposed by the Southwest Michigan Solid Waste Consortium, which Cass County is a member of this seven county initiative. (See the proposal in the Attachments Section.)

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES

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

City, township and village governments are responsible for most solid waste issues within their jurisdictions. Many of the townships offer one-day clean-up events for residents to dispose of large items The Recycling Committee for the county is responsible for the County Office Paper Recycling Program and a newsletter about recycling issues. The committee also has organized tire collection events and does some educational outreach at the County fair and other events. The private hauling and recycling companies are responsible for other activities within the county.

PROJECTED DIVERSION RATES

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

Table III-4. Projected Annual Tons Diverted from the Waste Stream

Collected Material	Projected Annual Tons Diverted		
	Current (1998)	5th Year	10th Year
Total Plastics	95	136	182
Newspaper	369	387	446
Corrugated Containers	904	1275	1500
Total Other Paper	120	242	311
Total Glass	62	104	129
Office Paper	207	244	274
Grass & Leaves	1775	1968	2208
Total Wood Waste	212	299	440
Construction & Demolition	-	-	-
Food & Food Processing	-	-	-
Tires	6	8	10
Total Metals	713	782	928
Total	4463	5445	6428

MARKET AVAILABILITY FOR COLLECTED MATERIALS

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

Table III-5. Markets for Collected Materials

Collected Material	In-State Markets (tons/year)	Out-of-state Markets (tons/year)
Total Plastics	Limited and variable	Limited and variable
Newspaper	2,505	6,802
Corrugated Containers	3,020	10,369
Total Other Paper	No data	No data
Total Glass	Good regional markets	Good regional markets
Magazines	650	550
Office Paper	1,558	7,389
Steel	-	3,452,000
Grass & Leaves	No data	No data
Total Wood Waste	No data	No data
Construction & Demolition	No data	No data
Food & Food Processing	No data	No data
Tires	No data	No data
Total Metals	No data	No data

EDUCATIONAL AND INFORMATIONAL PROGRAMS

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

Table III-6. Education Programs Offered in Cass County

Program Topic	Delivery Medium	Targeted Audience	Program Provider
Recycling, composting, household hazardous waste	Exhibits at the County Fair	Cass County - general public	Recycling Committee, MSU Extension
Composting	Workshops	4-H Students	MSU Extension
Recycling, composting	Flyers, newsletter	County government offices and schools	Recycling Committee & MSU Extension
Recycling, composting, resource conservation	Workshops	Students - all grades	MSU Extension
Recycling, household hazardous waste	Exhibits at schools	Students - 5th graders	Recycling Committee

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

This timetable is a guideline to implement components of the Selected System. imelines may be adjusted later, if necessary.

Table III-7. Timetable for implementation.

Management Components	Timeline
Increase public awareness about solid waste issues and disposal options	On-going
Participation in regional household hazardous waste collection program	1999-2000
Development of recycling drop-offs throughout the County	2000-20005
Expand the government paper recycling program	On-going

SITING REVIEW PROCEDURES

Authorized Disposal Area Types

Cass County has identified disposal sites that will accommodate the solid waste disposal ·eds for the next five to ten years. Therefore, no facility siting procedure is included ın this plan update. If a condition arises where Cass County needs to site a facility, the plan will be amended to incorporate the new site or siting criteria.

SOLID WASTE MANAGEMENT COMPONENTS

The following identifies the management responsibilities and institutional arrangements necessary for the implementation of the Selected Waste Management System. Waste disposal components of the selected system will be implemented and enforced according to existing state and federal solid waste management laws and regulations. With the heavy reliance on the private sector for solid waste services, many of the management responsibilities will fall on the private sector and when appropriate local and county government.

IDENTIFICATION OF RESPONSIBLE PARTIES

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

Resource Conservation:
Source or Waste Reduction – Individuals, Businesses, Local/State/Federal Government
Product Reuse - Individuals, Businesses, Local/State/Federal Government
Reduced Material Volume - Businesses, State/Federal Government
Increased Product Lifetime - Businesses, State/Federal Government
Decreased Consumption - Individuals, Businesses, Local/State/Federal Government

Resource Recovery Programs:
Composting - Individuals, Local Governments and Businesses
Recycling – Waste Hauling Companies, Businesses and Local Governments
Energy Production – Not Applicable

Volume Reduction Techniques: Individuals, Businesses, Waste Hauling Companies, Transfer Stations

Collection Processes: Waste Hauling Companies and Local Governments

Transportation: Waste Hauling Companies

Disposal Areas:
Processing Plants - Facility Owners/Operators
Incineration - Facility Owners/Operators
Transfer Stations - Facility Owners/Operators
Sanitary Landfills - Facility Owners/Operators

Ultimate Disposal Area Uses: Facility Owners/Operators

Local Responsibility for Plan Update Monitoring & Enforcement: Cass County Board of Commissioners and the County Administrator (the Solid Waste Planning Committee is responsible for solid waste planning)

Educational and Informational Programs: Cass County Board of Commissioners

LOCAL ORDINANCES AND REGULATIONS

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

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

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

☒ 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.

Local governments may enact ordinances addressing operational concerns of a disposal area or any other ordinance allowed by State law pertaining to solid waste disposal areas and solid waste management. Operational concerns are limited to:

1. Certain ancillary construction details, such as landscaping and screening
1. Hours of operation
   Noise, litter, odor and dust control
3. Operating records and reports
4. Facility security
5. Monitoring of wastes accepted and prohibited
6. Composting and recycling

Since Part 115 of Act 451, 1994 only limits enforcement of local ordinances pertaining to disposal areas, local governments are free to enact regulations relating to a variety of other waste management issues, such as backyard burning, junk cars, blight and litter control, illegal dumping and volume related charging for refuse collection

CAPACITY CERTIFICATIONS

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

☒ This County has more than ten years capacity identified in this Plan and an annual certification process is not included in this Plan. *See calculation below.

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

*Determination of sufficient capacity for Cass County's solid waste in the next 10 years

In 1998, an estimated 31,417 tons of waste was generated in Cass County, with current recycling efforts only 27,019 tons needed disposal. In the year 2010, an estimated 33,113 tons are expected to be generated in Cass County. So for a ten year period (1999-2010), about 330,671 tons will be generated. Taking into account only current facilities being used for disposal, 42 years of capacity exists with 2,163,646 tons per year of capacity available. With this amount of space available, only 1.4 % of the available space would have to be dedicated for Cass County's waste. In addition, Cass County has secured several letters from disposal facilities in Michigan and Indiana that would be willing to accept up to 100 percent of Cass County's solid waste for the foreseeable future.

APPENDIX A:
ADDITIONAL INFORMATION REGARDING THE SELECTED SYSTEM

EVALUATION OF RECYCLING

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

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS

The types and volumes of material available for recycling and composting are specified in section III of the Plan.

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

Equipment Selection

The equipment selection for existing programs is decided by the private sector. In cases where the municipality has entered into a contract with a company, the selection may be a joint effort between the company and the municipality. It is anticipated that all future programs will be operated in the same manner.

Site Availability & Selection

Again, the private sector has been responsible for site selection and availability. In cases where the municipality is responsible for an operation, the municipality selects a site.

Composting Operating Parameters

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

Program Name:	pH Range	Heat Range	Other Parameter	Measurement Unit

Individual municipalities or companies can decide what conditions are most appropriate for the type of operation and the location of the operation.

COORDINATION EFFORTS

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

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

The County Board of Commissioners has the ultimate responsibility for implementing the Solid Waste Management Plan. The Solid Waste Planning Committee was appointed by the Board of County Commissioners to write and update the Solid Waste Management Plan. Cass County is also a member of a seven county group called the Southwest Michigan Solid Waste Consortium, which exists to promote cooperative planning and programming on waste management issues.

COSTS & FUNDING

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

System Component	Estimated Costs	Potential Funding Sources
Resource Conservation Efforts	N/A	Agencies implementing the programs
Household Hazardous Waste	$11,000/year	See below*
Resource Recovery Programs	N/A	Agencies implementing the programs
Recycling Drop-off Program	$30,000/year	See below*
Volume Reduction Techniques	N/A	Private sector
Collection and Transportation	N/A	Private sector
Disposal Areas and Future Use	N/A	Private sector
Management Arrangements	N/A	County Funds
Educational & Informational Programs	N/A	MSU Extension, Conservation District budgets

rossible Funding Sources for Proposed Programs:
*Funding for participating in the household hazardous waste collection program proposed by the Southwest Michigan Solid Waste Consortium and the recycling drop-off containers throughout the county could come from the following sources or a combination of the following:

- Grants (possible sources would include Environmental Protection Agency, Foundations, etc.)
- Donations from the private sector
- Household solid waste surcharge (Allegan County does this successfully on their property taxes.) In Cass County, a surcharge of $4/household/year would generate $72,956 (based on 1990 Census number of households in Cass County). This amount would adequately fund several education and solid waste programs as outlined in Alternatives #2 and #3
- General Funds of municipalities and/or the County (for example, municipalities could share the cost based on population).
- User fees (charging the residents using the service at the time of service).

Note: Both cost estimates include publicity costs. The proposal for the regional household hazardous waste program is in the Attachments Section. The recycling drop-off program costs would include 4 drop-off boxes located in the County that would each be available twice a ›nth.

EVALUATION SUMMARY OF THE SELECTED SYSTEM

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

The alternative selected for Cass County has several benefits. Of the three alternatives considered, the selected system provides environmental benefits while being economically feasible for the County, especially if the costs of programs are shared between the municipalities and the County.

Participating in the regional household hazardous waste collection program will provide health, safety and environmental benefits for the County. The proposed recycling program will provide environmental benefits by helping to conserve resources, reduce energy consumption, and conserve available landfill space. The County is expected to have enough out-of-county disposal space for the next ten years.

The selected system requires no new technologies and should be acceptable to the general public which supports efforts to protect public health and conserve resources.

Cass County is working toward increasing waste reduction, reuse, recycling and composting efforts and reducing waste sent to landfills as stated in the State Solid Waste Policy.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM

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

Advantages

1. Increased recycling efforts will conserve natural resources and landfill space.

2. Conserving landfill space will keep disposal costs low.

3. The County will be taking an active role to protect public health and the environment by offering opportunities for residents to properly dispose of household hazardous waste.

4. Encourages partnerships between municipalities to share costs of recycling and household hazardous waste collection.

5. Encourages partnerships with surrounding counties to provide cost effective and convenient household hazardous waste collection

6. Less chance of nuisance and water quality problems without an in-county landfill.

Disadvantages

1. Public awareness and education is not improved.

2. There is no office or staff in the County dedicated to educate the public and to provide and coordinate programs for recycling, composting and household hazardous waste. This jeopardizes the long term sustainability of any on-going programs and any proposed programs.

3. Continued reliance on out-of-county disposal resulting in less accountability for disposal of waste, no incentive to reduce wastes, less control and no source of revenue.

4. In some areas, there is no enforcement of open burning and public health is not being protected.

Appendix B:
NON-SELECTED SYSTEMS

Before selecting the solid waste management system contained within this Plan update, the County developed and considered two other alternative systems. The following section provides a brief description of these non-selected systems and an explanation why they were not selected.

SYSTEM COMPONENTS

The following briefly describes the various components of the non-selected systems (alternatives #1 and #3).

Alternative #1 (status quo):

Waste Reduction/Pollution Prevention/Resource Conservation:

- Continue the Home A Syst and Farm A Syst programs for residents provided by the MSU Extension Office and the County Public Health Department. These programs address household hazardous waste use and disposal.
- Continue to provide educational material about household hazardous waste disposal through the County Public Health Department
- Continue to offer a Clean Sweep program to collect pesticides and other chemicals from farm operations through the MSU Extension Office and the Department of Agriculture.

Resource Recovery, Recycling and Composting Efforts:

- Continue to offer voluntary curbside recycling programs in the villages through contracts with private hauling companies.
- The County will continue to provide a tire collection event twice a year.
- The County will continue the Office Paper Recycling Program.
- Maintain public composting sites which are available in some villages and the City of Dowagiac.

The following components are the same as in Alternative #2, the selected system (see Section III, The Selected Solid Waste Management System):

Collection Processes and Transportation
Volume Reduction
Sanitary Landfill
Institutional Arrangements
Implementation Responsibility

EVALUATION SUMMARY OF ALTERNATIVE #1

Alternative #1 was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation why this system was not chosen to be implemented.

Alternative #1 is a continuation of the current system in Cass County. There is no coordinated program to collect household hazardous waste presenting a potential public health and safety problem. The lack of recycling opportunities is limiting the amount of resources that could be conserved in Cass County. The system may receive public support because there is no change; however, many residents would welcome increased opportunities to dispose of harmful substances and to participate in a convenient recycling program. A survey of local officials revealed that the public is interested in recycling and other solid waste programs.

ADVANTAGES AND DISADVANTAGES OF ALTERNATIVE #1

Each solid waste management system has pros and cons relating to its implementation within the County. Following is a summary of the major advantages and disadvantages for this non-selected system.

Advantages

1. Least expensive alternative to implement.

2. The current recycling efforts will most likely continue.

3. Less chance of nuisance and water quality problems without an in-county landfill.

Disadvantages

1. Protecting public health is threatened by not providing opportunities for proper household hazardous waste disposal.

2. Recycling and composting rates will not increase greatly.

3. Increasing public awareness and education is not adequately addressed.

4. There is no office or staff in the County dedicated to educate the public and to provide and coordinate programs for recycling, composting and household hazardous waste. This jeopardizes the long term sustainability of any on-going programs and the efforts to expand or create new programs.

5. Continued reliance on out-of-county disposal resulting in less accountability for disposal of waste, no incentive to reduce wastes, less control and no source of revenue.

6. In some areas, there is no enforcement of open burning and public health is not being protected.

7. Partnerships are not encouraged.

Alternative #3: (solid waste coordinator)

Waste Reduction/Pollution Prevention/Resource Conservation:

- Continue the Home A Syst and Farm A Syst programs for residents provided by the MSU Extension Office and the County Public Health Department. These programs address household hazardous waste use and disposal.
- Continue to provide educational material about household hazardous waste disposal through the County Public Health Department
- Continue to offer a Clean Sweep program to collect pesticides and other chemicals from farm operations through the MSU Extension Office and the Department of Agriculture.
- Participate in a regional household hazardous waste collection program as proposed by the Southwest Michigan Solid Waste Consortium.
- Expand opportunities and educational efforts for waste reduction, pollution prevention, material exchanges and resource conservation. Also encourage local units of government to adopt waste reduction and pollution prevention strategies.
- Provide educational information to the media to increase public awareness.
- Develop and implement waste reduction programs for households, businesses and government.

Resource Recovery, Recycling and Composting Efforts:

- Continue and work to expand where feasible voluntary curbside recycling programs in the villages through contracts with private hauling companies.
- The County will continue to provide a tire collection event twice a year and increase promotion of the program.
- The County will continue and expand their Office Paper Recycling Program.
- Maintain public composting sites which are available in some villages and the City of Dowagiac.
- The County will facilitate the development of convenient recycling drop-off programs for residents throughout the County.
- Expand education efforts to increase public awareness about recycling and composting.
- Encourage the private sector to establish recycling programs.
- Develop and implement an illegal dumping ordinance and improve enforcement.
- Develop and implement an oil and battery recycling program and a backyard composting program.

Collection Processes and Transportation:

- Curbside solid waste collection services are provided by the private sector either through individual subscriptions or municipal contracts. Some of the private companies offer yard waste collection and recycling.

- Continue yard waste (leaves and brush) collection in the villages and the City of Dowagiac.
- Residents can continue to haul their solid waste to a transfer station, recycling drop-off, compost site or landfill.
- Encourage the development of pay as you throw or variable rate collection of garbage to increase recycling and composting rates.

The following two components are the same as Alternative #2, the selected system (detailed in Section III):
Volume Reduction
Sanitary Landfill.

Institutional Arrangements:
- The County mostly relies on the private sector the solid waste collection, transportation, processing and disposal.
- A few villages have contracts with private companies to provide solid waste services for their residents.
- Encourage individual/municipal contracts to include resource recovery options when possible.

Implementation Responsibility:
- The County Board of Commissioners is responsible for the implementation of the Solid Waste Plan. The Board may receive assistance from the Solid Waste Planning Committee or the Recycling Committee.
- Hire a solid waste coordinator to be responsible for implementing the solid waste plan, increasing public awareness, coordinating programs, providing technical assistance to residents, local governments and businesses, and preparing the solid waste plan updates.

EVALUATION SUMMARY OF ALTERNATIVE #3

Alternative #3 was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. Following is a brief summary of that evaluation along with an explanation why this system was not chosen to be implemented.

Alternative #3 would meet several if not all of the solid waste management goals and objectives for the County. However, the resources are currently not available to implement this alternative. The Committee felt that Alternative #2 (the selected system) would be a step in the right direction for the County to begin meeting its goals and objectives. Alternative #3 would be considered again in the future.

ADVANTAGES AND DISADVANTAGES OF ALTERNATIVE #3

Each solid waste management system has pros and cons relating to its implementation within the County. Following is a summary of the major advantages and disadvantages for this non-selected system.

Advantages

1. Increases waste reduction, recycling and composting efforts to conserve natural resources and landfill space.

2. The preservation of landfill space will keep disposal costs low.

3. The goal of increasing public awareness of solid waste issues would be met.

4. The County would be taking an active role to protect public health and the environment by offering opportunities for residents to properly dispose of household hazardous waste.

5. Encourages partnerships between municipalities to share costs of recycling and household hazardous waste collection.

6. Encourages partnerships with surrounding counties to provide cost effective and convenient household hazardous waste collection.

7. There would be a dedicated staff person for residents and businesses to contact regarding solid waste disposal and recycling opportunities and to coordinate programs for recycling, composting and household hazardous waste collection.

8. The solid waste coordinator could begin to tackle problems of illegal dumping and open burning.

9. Less chance of nuisance and water quality problems without an in-county landfill.

Disadvantages

1. The implementation of this alternative would require a larger financial commitment by the County and the municipalities. A household surcharge of $6 per year could probably fund this alternative.

2. Continued reliance on out-of-county disposal resulting in less accountability for disposal of waste, no incentive to reduce wastes, less control and no source of revenue.

APPENDIX C:
PUBLIC PARTICIPATION AND APPROVAL

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

PUBLIC INVOLVEMENT PROCESS

A description of the process used, including dates of public meetings, copies of public notices, documentation of approval from solid waste planning committee, County board of commissioners, and municipalities. (Documentation can be found in Attachment #5.)

The Solid Waste Planning Committee met throughout the planning process to complete the plan update. These meetings were open to the public. A mailing list was created and is in Attachment #1. The people on the mailing list were sent a letter notifying them of the dates, locations and times of the Planning Committee meetings and also included the minutes from the previous meeting. The letter encouraged the public to become involved in the planning process.

In addition, the Solid Waste Planning Committee presented its goals and objectives and the planning process to local officials in Cass County at an Intergovernmental Forum held in October, 1998. A public heating was also held during the 90-day public comment period. (Documentation can be found in Attachment #5.)

PLANNING COMMITTEE APPOINTMENT PROCEDURE

Cass County appoints fourteen (14) individuals to serve on the Solid Waste Planning Committee to guide the planning process. The representatives on the committee include four representatives from the solid waste management industry, one representative from an industrial waste generator, two from environmental interest groups, one from county government, one from township government, one from city government, one from a regional planning agency, and three representatives from the general public. The appointing committee of the County Board of Commissioners seeks members to serve the various required categories. Interested persons fill out an application and submit it to the County Board of Commissioners. The appointing committee interviews candidates and makes a recommendation to the Board of Commissioners. The Board of Commissioners voted on the appointments during a public meeting.

APPROVAL OF SOLID WASTE MANAGEMENT PLAN

The draft plan was released for public review in April, 1999. The plan was revised and then approved by the Solid Waste Planning Committee on August 31, 1999. The plan was approved by the County Board of Commissioners on September 9, 1999. The plan received a 70 percent approval by 14 of the 20 municipalities in Cass County. (See documentation in Attachment #5.)

PLANNING COMMITTEE

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

Four representatives of the solid waste management industry:

1. Timothy Ackerson, Steelcase
2. Eric Stoub, Reliable
3. (Vacant)
4. (Vacant)

One representative from an industrial waste generator:

1. Lloyd Vaughn, Vaughn Clean-Rite

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

1. Robert House, Cass and Van Buren Health Department
2. Mary Studer, Southwestern Michigan College

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

1. Carl Higley, Sr., Cass County Commissioner

One representative from township government:

1. Irving Frost, Jr., Pokagon Township

One representative from city government:

1. Larry Shaw, City of Dowagiac

One representative from the regional planning agency:

1. Robert Smith, Southwestern Michigan Commission

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

1. Kenneth Hartman
2. Gerald Leet
3. Earl Lee, Jr.

APPENDIX D:
PLAN IMPLEMENTATION STRATEGY

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

The selected solid waste management system is mostly a continuation of the current system with a few enhancements. There will be an effort to increase public awareness about solid waste issues and disposal options. Other additions include a household hazardous waste collection program and a convenient recycling drop-off program. These additions will only enhance the current system.

The Solid Waste Planning Committee is getting assistance from an intern, a marketing student from the Southwestern Michigan College to develop and begin implementation of a solid waste education plan for the County. The intern's activities will include writing press releases and developing brochures and flyers. The intern will also begin to develop a County recycling and solid waste disposal guide for residents.

To implement the household hazardous waste collection program an agreement must be made between the Cass County Board of Commissioners and the Kalamazoo and Berrien County Board of Commissioners. This agreement would specify the cost for Cass County residents to use the permanent facility in Kalamazoo County and the one-day events in Berrien County. Cass County would also have to determine a source of revenue to support the program. Several options for funding this program were included in Appendix A under costs and funding. However, if the cost of the program was shared between the municipalities and the County it would be more affordable. (With 21 units, the total cost of $11,000/year for the program would break down to about $525 per municipality and the County per year.) This break down could also be done based on the percentage of population per municipality (those with more population paying a higher percentage of the total cost).

For the recycling drop-off program, agreements between the townships would have to be made to share the cost of the program and to decide on four central locations throughout the County. The recycling containers would be provided by a waste hauling company through a contract. The container would be brought to the site in the morning (most likely a Saturday) and then picked up later that day. At each site, the recycling container would be available two Saturdays a month. This would result in eight opportunities per month for township residents to recycle their paper, cardboard, plastic, glass and metals (tin cans, etc.).

ATTACHMENT #1

Mailing List

Smith
ark Shore
polis MI 49031

MEANDERS
PO Box 355
Plainwell MI 49080

Recycling Committee
Bill Fentress
120 N Broadway
Cassopolis MI 49031

Mc ough
rvation District
East State Street
polis MI 49031

Twin Lake Association
Sue Vomish
52513 Twin Lakeshore Drive
Dowagiac MI 49047

PJC Lake Association
Nancy Bowman
22040 Twilight
Edwardsburg, MI 49112

giac Conservation Club
ox 424
giac, MI 49047

Diamond Lake Association
62276 WilsonAvenue
Cassopolis MI 49031

Donnel Lake Conservation Club
PO Box 147
Vandalia MI 49095

gie Boy Manufacturing, Inc
) M 62
rdsburg, MI 49112

Mennel Milling Co. Of MI
109 S. Mill Street
Dowagiac, MI 49047

Sealed Power Tech L.P.
51241 M-51 N
Dowagiac MI 49047

ech
1 M 51
agiac MI 49047

JAC Custom Poulches Inc.
56525 Woodhouse Drive
Dowagiac, MI 49047

Ameriwood Furniture Co.
202 Spaulding
Dowagiac, MI 49047

Millworks
Railroad
agiac MI 49047

ICG/Aluminum Casting Division
101 Poplar
Dowagiac MI 49047

Lyons Industries Inc.
30000 M 62
Dowagiac MI 49047

nal Copper Products
E Prairie Road
agiac MI 49047

Best Plastics, Inc.
19300 Grange
Cassopolis MI 49031

Creative Foam Corporation
5521 Rudy Road
Dowagiac MI 49047

hwestern Michigan College
0 Cherry Grove Road
agiac MI 49047

Lee Memorial Hospital
420 W High
Dowagiac MI 49047

Murks Village Market Inc.
56151 M 51
Dowagiac MI 49047

agiac Public Library
Commercial
agiac MI 49047

Cass District Library
319 M62
Cassopolis MI 49031

Edwardsburg Branch Library
26745 Church
Edwardsburg MI 49112

cell Township Library
E
cellus MI 49067

Melinda Keillor
DEQ, Solid Waste Program Section
John A. Hannah Bldg
PO Box 30241
Lansing MI 48909-7741

Mr. John Gruchot
Berrien County Planning Department
and Public WorksCounty Courthouse
811 Port Street - Room 105
St. Joseph, MI 49085

LOCAL UNITS IN CASS COUNTY

LEOZIE BROADNAX
CALVIN TOWNSHIP
18334 CALVIN HILL STREET
CASSOPOLIS, MI 49031

LISA FITZSIMONS
PENN TOWNSHIP
61273 ALEXANDER STREET
VANDALIA, MI 49095

LINDA GIBBS
MASON TOWNSHIP
19990 NORTH METCALF COURT
EDWARDSBURG, MI 49112

PAULETTE HUTSON
VILLAGE OF MARCELLUS
177 E MAIN ST
MARCELLUS, MI 49067

RHONDA IVENS
VILLAGE OF CASSOPOLIS
139 NORTH BROADWAY
CASSOPOLIS, MI 49031

BETH JAMES
VILLAGE HALL
VANDALIA, MI 49095

JANICE LAPORTE
JEFFERSON TOWNSHIP
24373 HOSPITAL ROAD
CASSOPOLIS, MI 49031

LINDA LEET
HOWARD TOWNSHIP
1345 BARRON LAKE ROAD
NILES, MI 49120

BETH LEHIGH
VOLINIA TOWNSHIP
53333 GARDS PRAIRIE ROAD
DECATUR, MI 49045

HELEN PARSONS
ONTWA TOWNSHIP
69625 GARVER LAKE STREET
EDWARDSBURG, MI 49112

LAURA POLAD
WAYNE TOWNSHIP
25370 MCKENZIE
DOWAGIAC, MI 40931

LINDA PRESTON
POGAGON TOWNSHIP
33171 PEAVINE STREET
DOWAGIAC, MI 49047

JUDITH ANN ROOT
LAGRANGE TOWNSHIP
23998 SHURTE STREET
CASSOPOLIS, MI 49031

MARTY RUSSELL
PORTER TOWNSHIP
13245 PLEASANT
UNION, MI 49130

GERALD SALMEN
NEWBERG TOWNSHIP
10428 BORN STREET
THREE RIVERS, MI 49093

JAMES SNOW
CITY OF DOWAGAC
241 SOUTH FRONT STREET
DOWAGIAC, MI 49047

BERNADINE TILBURY
VILLAGE OF EDWARDSBURG
PO BOX DRAWER L
EDWARDSBURG, MI 49112

ANN WEBB
MARCELLUS TOWNSHIP
PO BOX 578
MARCELLUS, MI 49067

JULIA WILLIS
SILVER CREEK TOWNSHIP
50967 PLEASANT STREET
DOWAGIAC, MI 49047

Richard Gerbeth
Milton Township
2576 East Bertrand Road
Niles, MI 49120

udy West
seph County Administrator
ty Courthouse
ox 277
MI 49032-0277
H. y Adrounie
County Solid Waste Planning
nittee
Vest Center Street
ngs, MI 49058

Ms. Julie Pioch
MSU Cooperative Extension Service
801 Hazen Street, Suite A
Paw Paw, MI 49079

Mr. Roger Andrews
Calhoun County Administrator's
Office, County Building
315 West Green Street
Marshall, MI 49068

Ms Mary H. Jones
Allegan County Resource Recovery
Health Department, 2233 33rd Street
Allegan, MI 49010

Mr. Dean Holub
Kalamazoo Metropolitan County
Planning Agency
201 West Kalamazoo Avenue
Kalamazoo, MI 49007

ATTACHMENT #2

Regional Household Hazardous Waste Proposal

MEMORANDUM

DATE: 9-15-98

TO: Southwest Michigan Solid Waste Consortium

FROM: John Gruchot, Chairperson, Technical Advisory Committee

SUBJ: Household Hazardous Waste Collection - Opportunities for Regional Cooperation

---

This cover memo accompanies the Technical Advisory Committee's report on the potential cooperation among Consortium counties for household hazardous waste programs. This memo and report also serve as our summary of the August 28th Technical Advisory Committee meeting, as this was the only topic for discussion or action.

The Committee felt it would be appropriate to recap the goals that it was trying to achieve, as it understood them from direction of the Consortium.

1. To improve access to household hazardous waste collections within the Consortium region in a cost effective manner, in order to maximize participation.

- The Committee recognizes that the term "cost effective" can be fairly subjective, but that it entered into this task with the primary goal of diverting the greatest amount of hazardous material from the waste stream, without being cost prohibitive.

2. To take advantage of the timing of the Solid Waste Plan Update process, since counties are now geared towards planning future programs, and to help St. Joseph County as it considers alternatives for a new program when its current one ends this December.

3. The use the position of the Consortium as a promoter of inter-county cooperation, as a way to potentially increase cooperation on this particular waste management issue.

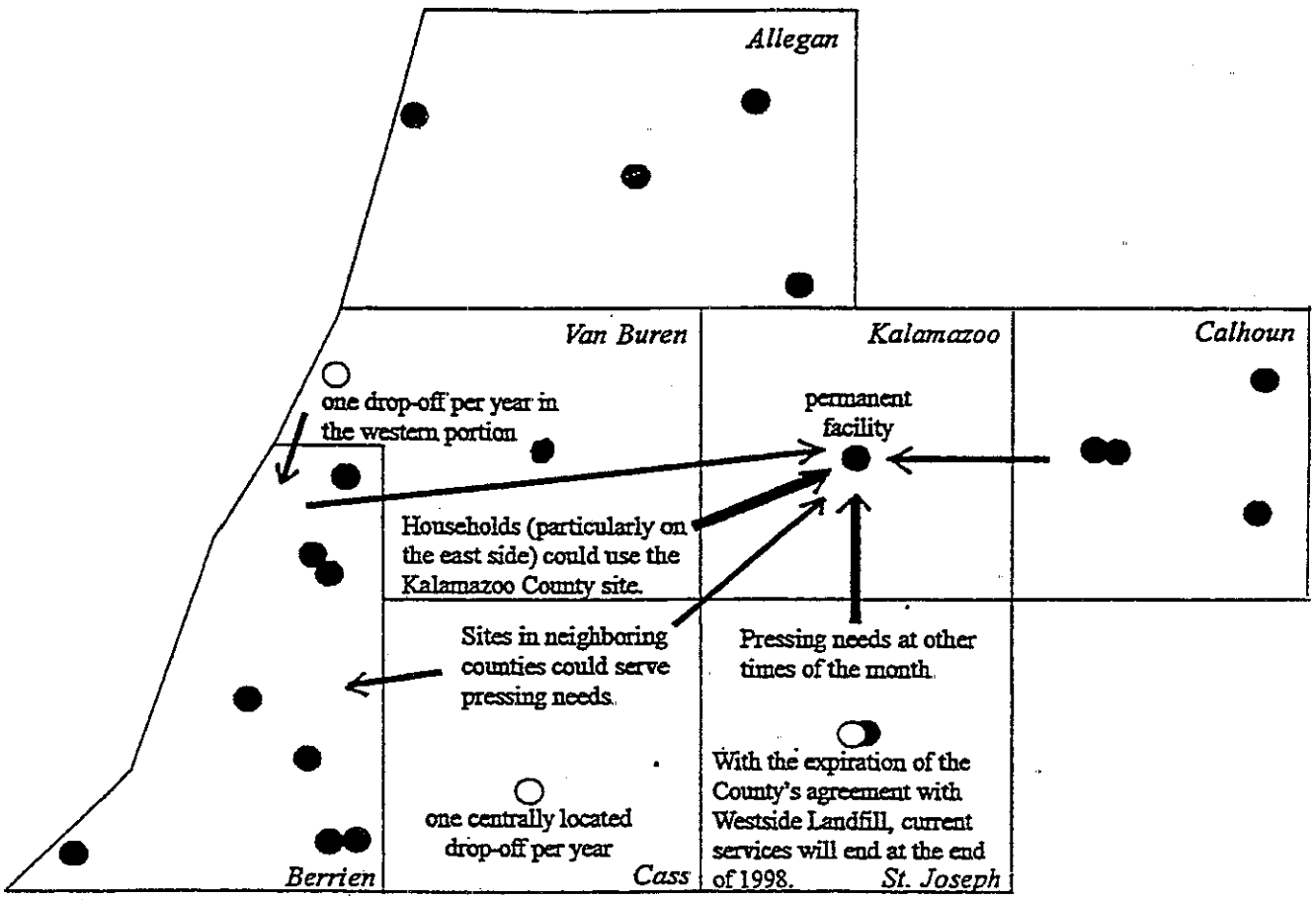
Next Steps:

The Technical Advisory Committee would like to request that the Consortium consider a motion accepting this report as a baseline proposal that can be pursued further by individual counties, through promotion by Consortium members.

- Since any implementation of these proposals, as represented in the report or as modified by individual counties, requires the expenditure of funds, it becomes largely a political issue. The Technical Advisory Committee feels that this is best handled through the elected officials of the counties, and this is why it is making the above request.

A Proposal to Improve Regional Opportunities

Current & Potential Household Hazardous Waste Collection Programs



● = Drop-off sites scheduled to accept HHW in 1998

○ = Potential HHW drop-offs sites serviced by certified contractors

PROPOSAL TO IMPR /E REGIONAL HOUSEHOLD HAZARDOUS WASTE (HHW) COLLECTION SERVICES

COUNTY	DEVELOP OR MAINTAIN A LOCAL DROP-OFF PROGRAM	COOPERATION WITH BERRIEN COUNTY	COOPERATION WITH KALAMAZOO COUNTY[1]	ADDED COST/YEAR
ALLEGAN	Continue with existing HHW program	No need.	No need.	none
BERRIEN	Continue with existing HHW program.		25 households may go to Kalamzoo @$33 = $825	$825
CALHOUN	Continue with existing HHW program	Distance limitation.	Potential.	
CASS	Contract with a private service to offer an annual drop-off within the County. 105 households (0.75%) @$60 = $6,300	50 households (.35%) may go to Berrien County @$50 = $2,500	21 households (.15%) may go to Kalamazoo County @$33 = $693	$9,493[2]
KALAMAZOO	Continue with existing HHW program.	No need.		none
ST. JOSEPH	Contract with Waste Management or another party to provide an once-per-month drop-off service possibly at the Westside Landfill 160 households (1%) @$40 = $6,400	Distance limitation.	40 households (0.25%) may go to Kalamazoo @$33 = $1,320.	$7,720
VAN BUREN	Contract with a private service to offer an annual collection in the South Haven area particularly for residents of the western half of the County. 80 households @$60 = $4,800	Potential.	67 households (.5%) (primarily residents of the eastern half of the County) may go to Kalamazoo @$33 = $2,200.	none - 47% more households served for the same cost

[1] As a compliment to local drop-off opportunities, the Kalamazoo HHW program can provide on-demand service for residents throughout the region who may have a pressing need (i.e., selling a house) or who may already commute to Kalamazoo County.

[2] Assumes a 1.25% household participation which accounts for program growth. Initial annual cost may be lower.

Currently Available Household Hazardous Waste Collection Services

1998 Collection Sites	Total Open Hours/Year	% of Households With "Free" Access	Funding Sources	Current Program Cost	% of Households[1] Served/Year
Allegan[2] •Wayland, 5/2, 9am-noon •Health Dept., 5/15, 5/17, 7/18, 9/18, 9/19 •Saugatuck, 7/11, 9am-noon •Drug & Lab Disposal for participating households	19 + business hours of Drug & Lab Disposal	90%	Per household assessment[3]	$12,600	0.5% (143 households)
Berrien •Health Dept. Bldg., 6/6 & 9/19, 9am-3pm •Lakeshore H.S., 6/24, 3-7 pm •Harding's Mkt-Coloma, 7/25, 9am-3pm •Apple Valley (Ber. Springs), 8/30, 9am-3pm •New Buffalo fire station, 9/26, 9am-3pm •SEBC Landfill, May & Oct, 8am-noon	44	100%	Landfill surcharge + SEBC Landfill Authority funds	$34,030	1.8% (710 households)
Calhoun •Albion, 4/18, 10am-1pm •Battle Creek 5/9 and June, 10am-1pm •Tekonsha, 10am-1pm	12	100%	Landfill surcharge	$38,200	1.9% (665 households)
Cass	0	0%	None	$0	0%
Kalamazoo •Permanent facility	640	96%	Participating local gov'ts[3]	$77,000	5% (2962 households)
St. Joseph •Drop-off 6 days/week at Westside Landfill	~2200 (depends on number of appointments)	100%	Landfill agreement[4]	$25000	0.56% (90 households)
Van Buren •Drop-off in Lawrence, 5/30 and 10/17 (9-1) •partnership between Antwerp Twp. and Kal. County	8+	~82%, although most users pay $3.	Participating local gov'ts[3]	$7,000	0.52% (100 households)

ATTACHMENT #3

Letters and Maps from Solid Waste Facilities

: Top sheet to Carl Higley

Waste Management℠

Grand Rapids Customer Service Center
1668 Porter Street, S W
Grand Rapids, Michigan 49509-1796

Phone 616.538.3750

RECEIVED
MAY 08 1998

ENTERED
MAY - 6 1998
CASS COUNTY
ADMINISTRATOR

May 1, 1998

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, MI 49031

Re: Waste Management Landfills in Michigan

Dear Solid Waste Planning Committee Members:

Waste Management of Michigan, Inc owns and operates eight (8) licensed solid waste landfills located throughout the lower peninsula of Michigan All of these landfills are allowed to receive waste from many counties and a few from all counties in the lower peninsula. Attached please find the following information:

1 MDEQ standard format information sheets for each of our landfills.

2. A map showing the location of our landfills.

3. A listing for each landfill showing which counties may import waste to the site.

The list of counties for each site is based upon existing county plans or our existing host agreements with counties which provide for the county to add these counties during the current plan updates In most cases there is no requirement to have signed inter-county agreements. However, for those counties that do require inter-county agreements, we have indicated that on the sheet. We are encouraging all counties to have their plans as open as possible with regards to inter-county transfers and to not require signed agreements between the counties. In some cases, we are requesting our host counties to add additional counties, during the update process, which are not covered under a host agreement. These are also indicated on the attached sheets.

As you update your plan, please add as many of our landfills, as you wish, to your plan and notify out host counties of your intentions and request that they also include you in their plans.

Printed on recycled paper

If you have any questions, need additional information, or wish to add your county as an exporting county to one of our landfills, please call me at (616) 538-1921 ext. 151.

Sincerely,

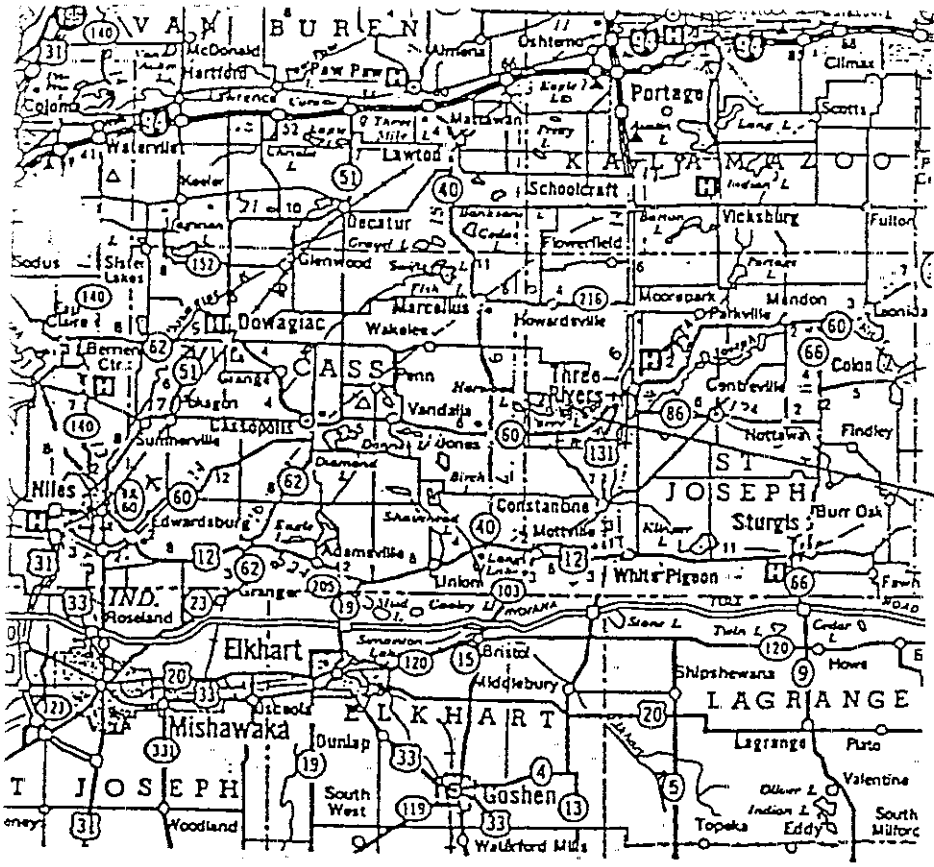
WASTE MANAGEMENT OF MICHIGAN, INC.

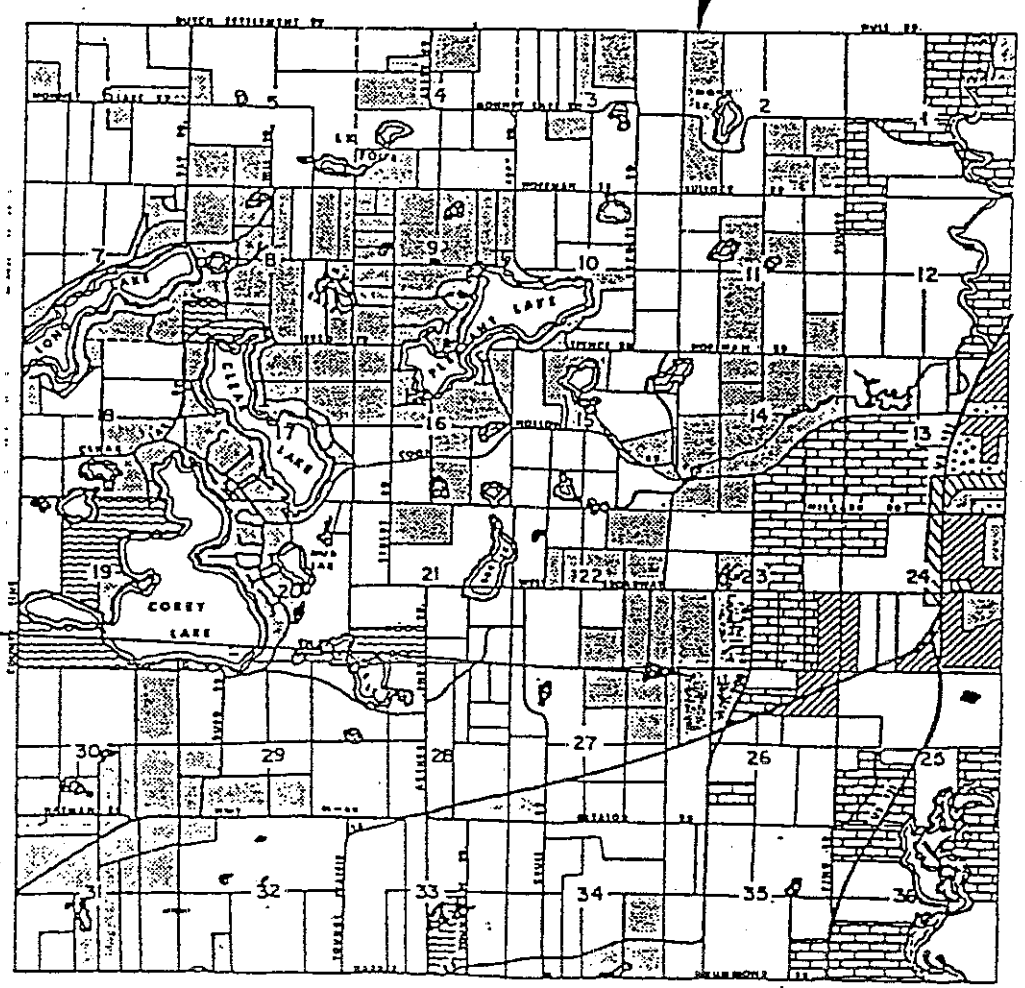
Jeff Poole
Manager, Business Development

Doug ac
Cass pole
Marcellus

File: Cass County, 616/445-4420

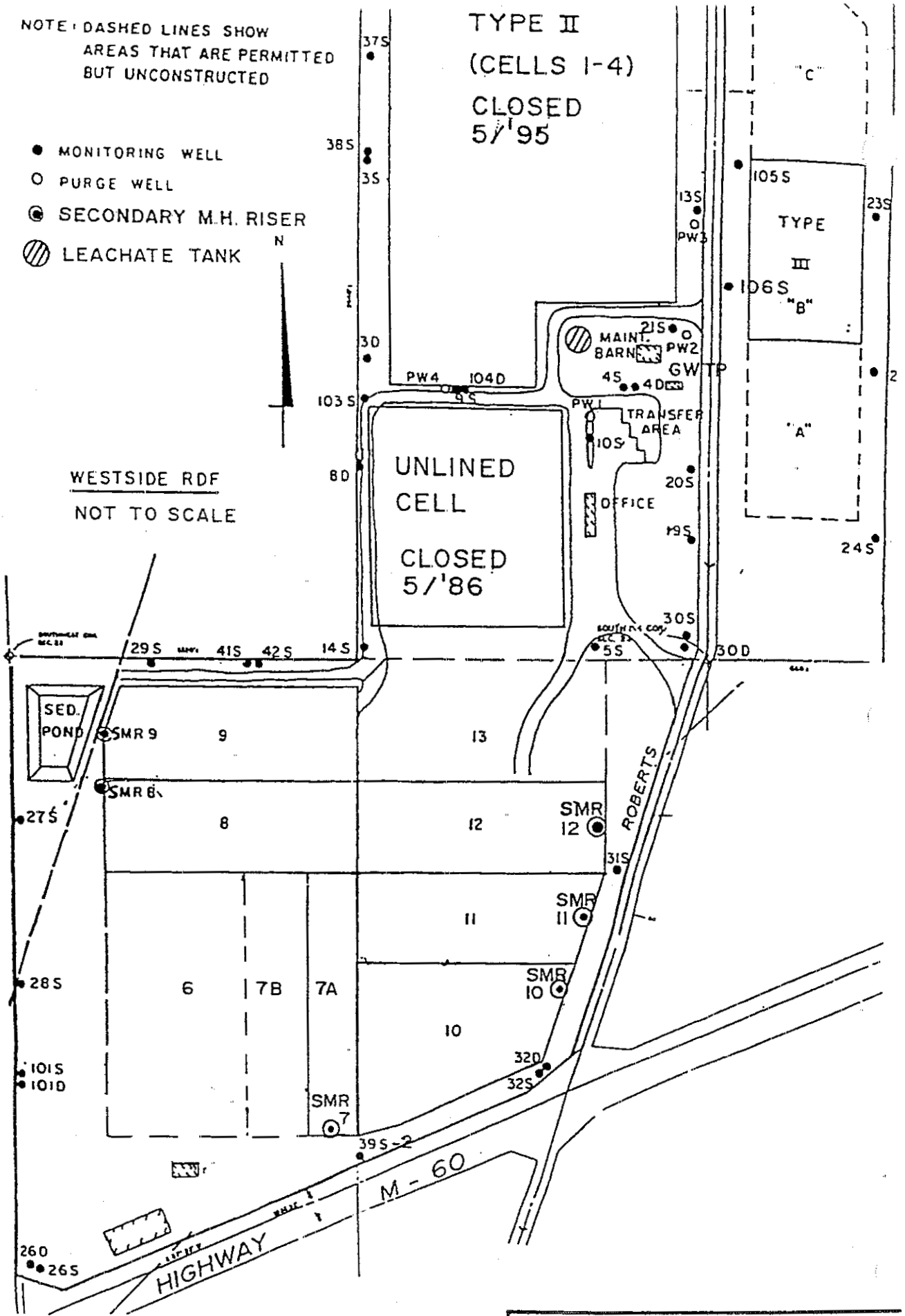
By amounts
tonnage amounts
townships
trans. station - final disposal





WESTSIDE LANDFILL

FIGURE 1



WESTSIDE RDF

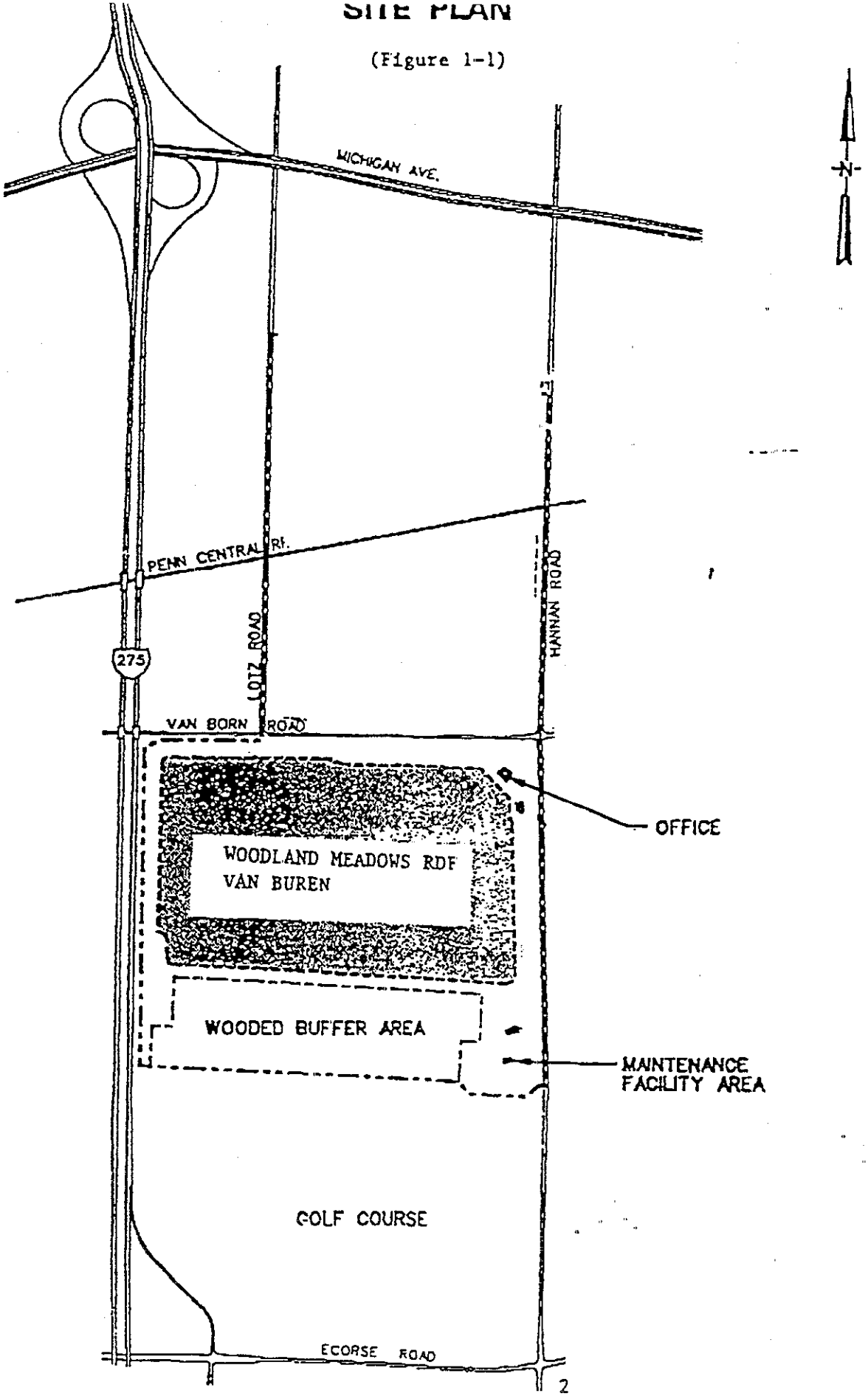
Westside - St. Joseph County

St. Joseph
Kalamazoo
Calhoun
Van Buren
Cass
Branch
Berrien
Allegan
Barry
Hillsdale
Eaton
Ingham
Clinton
Ionia
Kent
Ottawa

A recent amendment to our host agreement will add all counties in the lower peninsula

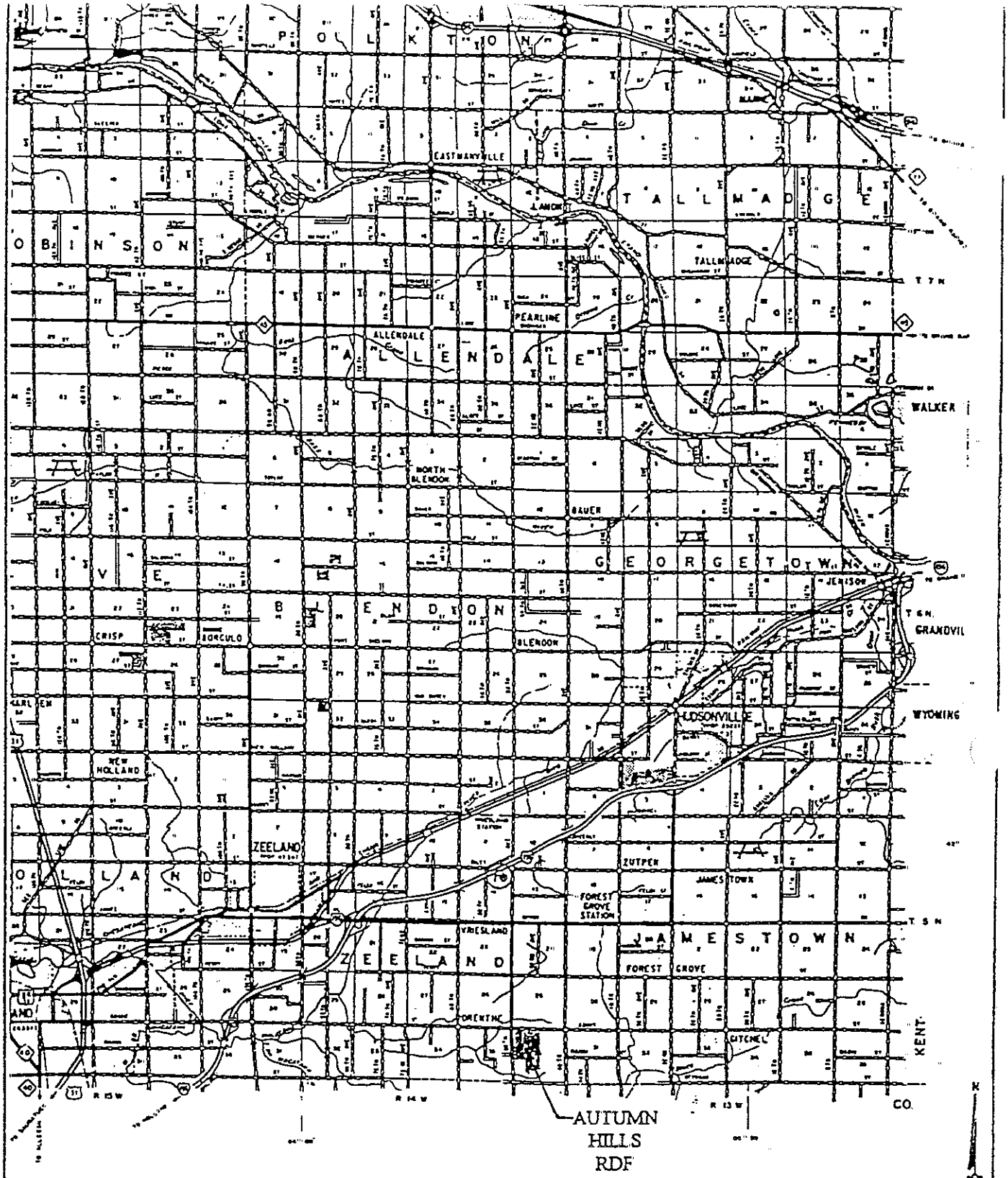
SITE PLAN

(Figure 1-1)



Woodland Meadows - Wayne County

The Wayne County Solid Waste Plan allows the import and export of waste from all counties in the state.



LEGEND

- HAUL ROUTE
- SITE

MAP SOURCE: PART OF M.U.C.C. OTTAWA COUNTY MICHIGAN MAP

0' .5' 1'

SCALE: 1"=1 MILE

RUST ENVIRONMENT & INFRASTRUCTURE

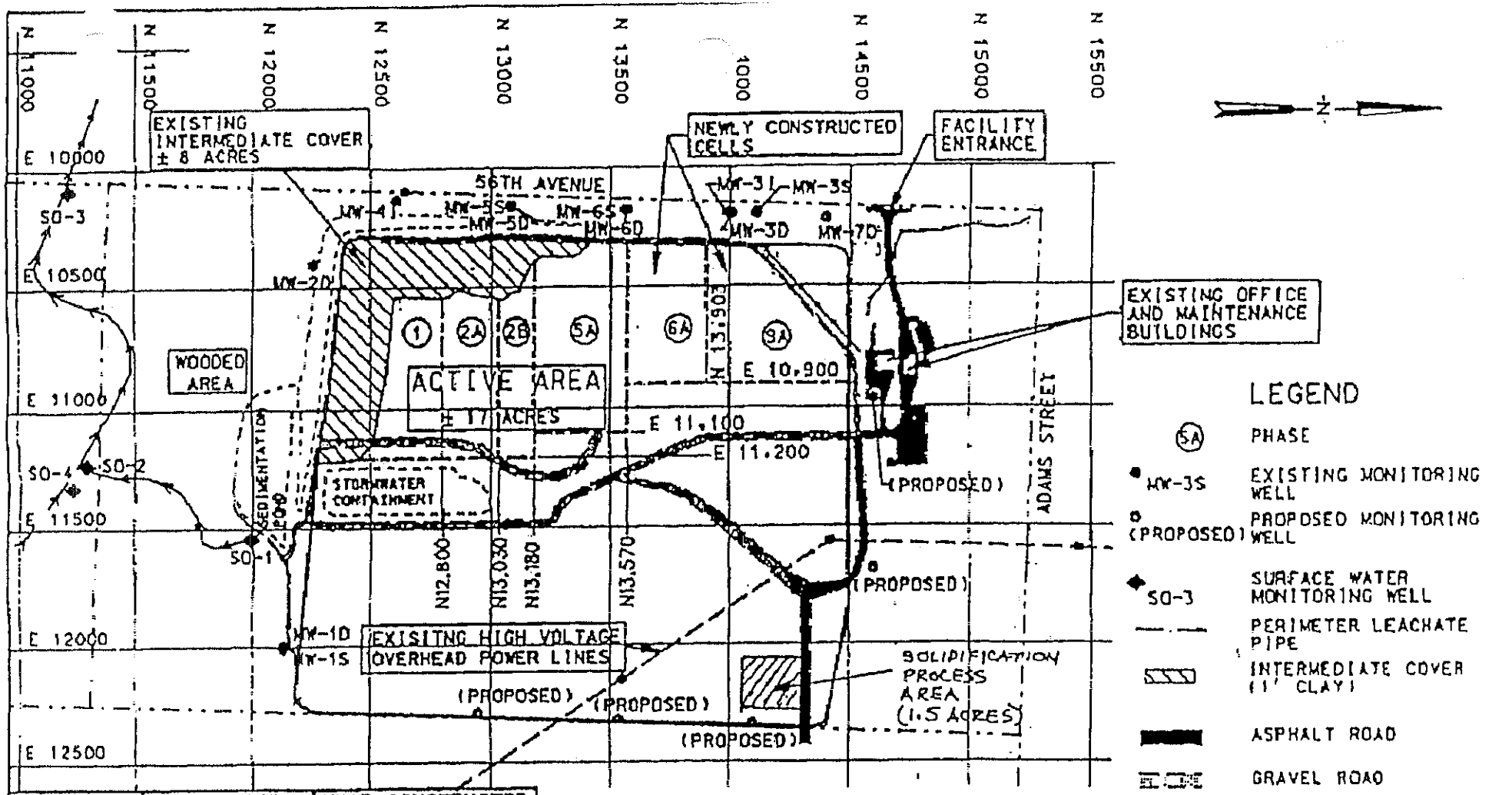
PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY

PROJECT NO: 74525.100

FIGURE 2 - 1

ENVIRONMENTAL ASSESSMENT REPORT
PERMIT MODIFICATIONS

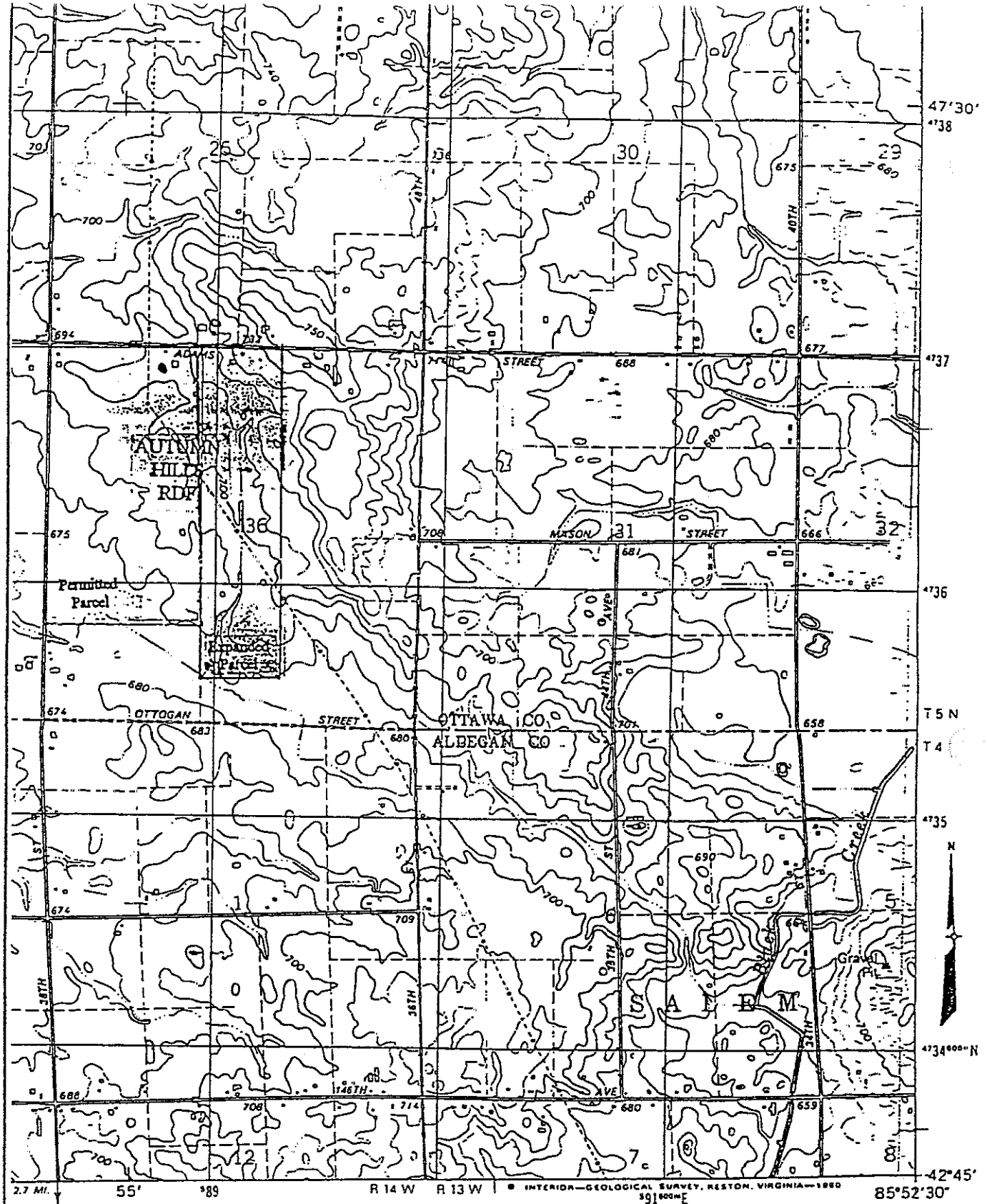
SITE LOCATION MAP



PHASE	NO. OF ACRES	YEAR CONSTRUCTED
POND	2.6	1992
1	9.5	1992
2A	4.8	1993
2B	3.2	1994
5A	7.5	1995
6A	4.5	1996
9A	5.6	1996

SCALE: 1" = 600'

DUST ENVIRONMENT & INFRASTRUCTURE	PROJECT NO: 70184.100	PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY OTTAWA COUNTY, MICHIGAN	SHEET 1 OF 1
	CADD PRODUCED DRAWING 0184S02.DGN/ LXL/27JUL95	SHEET TITLE: EXISTING FACILITY LAYOUT AND MONITORING PLAN	DRAWING NO. 1



LEGEND

- SITE

MAP SOURCE: PART OF U.S.G.S. HUDSONVILLE WEST QUADRANGLE MAP

RUST ENVIRONMENT & INFRASTRUCTURE

PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY

PROJECT NO: 74525.100

FIGURE 2 - 2

ENVIRONMENTAL ASSESSMENT REPORT
PERMIT MODIFICATIONS

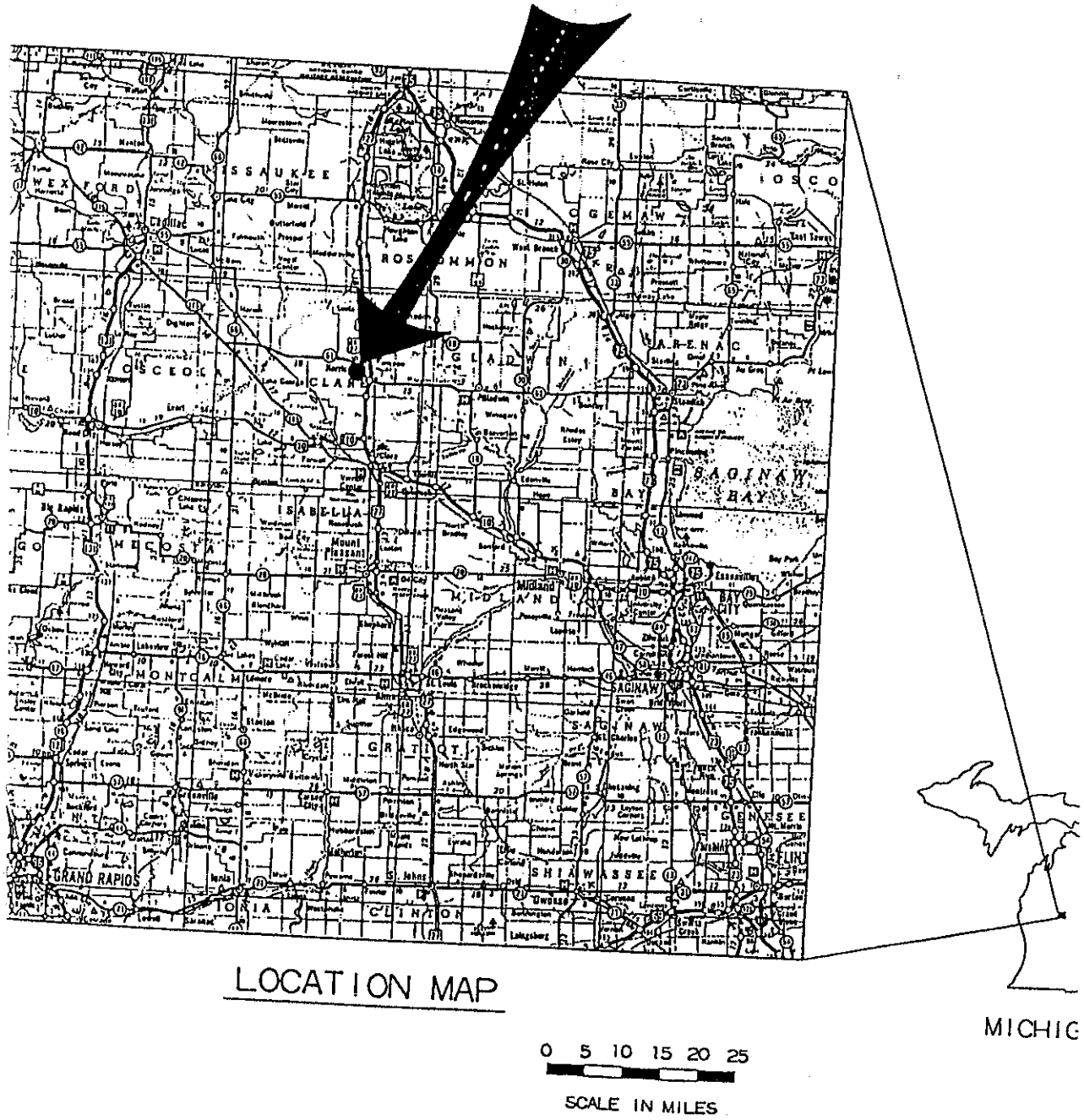
SITE TOPOGRAPHY

Autumn Hills - Ottawa County

Ottawa
Allegan
Kent
Muskegon
Montcalm
Oceana *
Newago *
Ionia *
Barry *
Kalamazoo *
St. Joseph *
Van Buren *
Calhoun *
Berrien *
Branch *
Cass *
Clare *
Clinton *
Eaton *
Osceola *
Gratiot *
Isabella *
Lake *
Mason *
Mecosta *

* Counties approved for Special Waste only.

SITE LOCATION

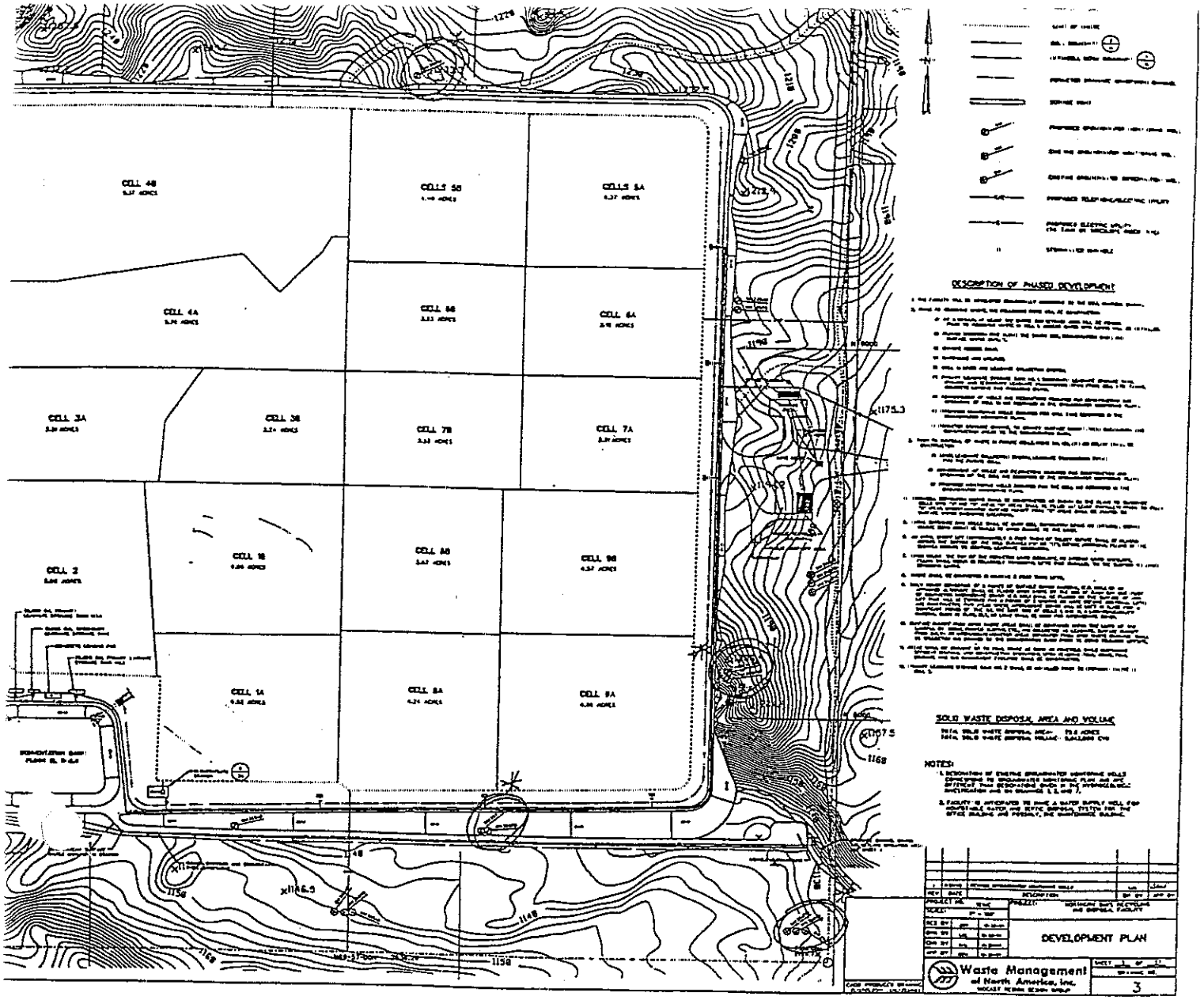


LOCATION MAP

MICHIG

0 5 10 15 20 25

SCALE IN MILES


CELL 4B
CELL 5B
CELL 5A
CELL 4A
CELL 6B
CELL 6A
CELL 3A
CELL 3B
CELL 7B
CELL 7A
CELL 2
CELL 1B
CELL 8B
CELL 9B
CELL 1A
CELL 8A
CELL 9A
DESCRIPTION OF PHASED DEVELOPMENT
SOLID WASTE DISPOSAL AREA AND VOLUME
NOTES:
DEVELOPMENT PLAN
Waste Management of North America, Inc.
3

Northern Oaks - Clare County

By agreement, Northern Oaks is allowed to receive waste from all counties in the lower peninsula except Wayne, Oakland, and Macomb. The current plan requires signed agreements between both importing and exporting counties. We will request that the requirement of signed agreements be removed in the update.

olition Engineers
estos Abatement
aged Building Materials
vating and Underground Services
crete Recycling

• Landfill Operation
• Dumpster Service
• Commercial & Residential Waste Services
• Land Developement

Pitsch Companies
SANITARY DIVISION

RECEIVED
SEP 1 6 1998

September 11, 1998

Cass
Marcy Hamilton
Southwestern Michigan Commission
185 East Main Street, Suite 701
Benton Harbor, MI. 49022-4440

Dear Marcy Hamilton:

Pitsch Sanitary Landfill would like to be named in your Solid Waste Management Plan as a receiving landfill. The following attachment is the facility description for the Pitsch Sanitary Landfill located in Belding, Michigan, County of Ionia.

If you have any questions please call me at 616-794-3050 or fax me at 616-794-1769.

Sincerely;

Douglas A. Carson
Director of Communications

Enc. 5

7905 Johnson Rd., Belding, Michigan 48809
Telephone: 1-800-748-2448 FAX: (616) 794-1769

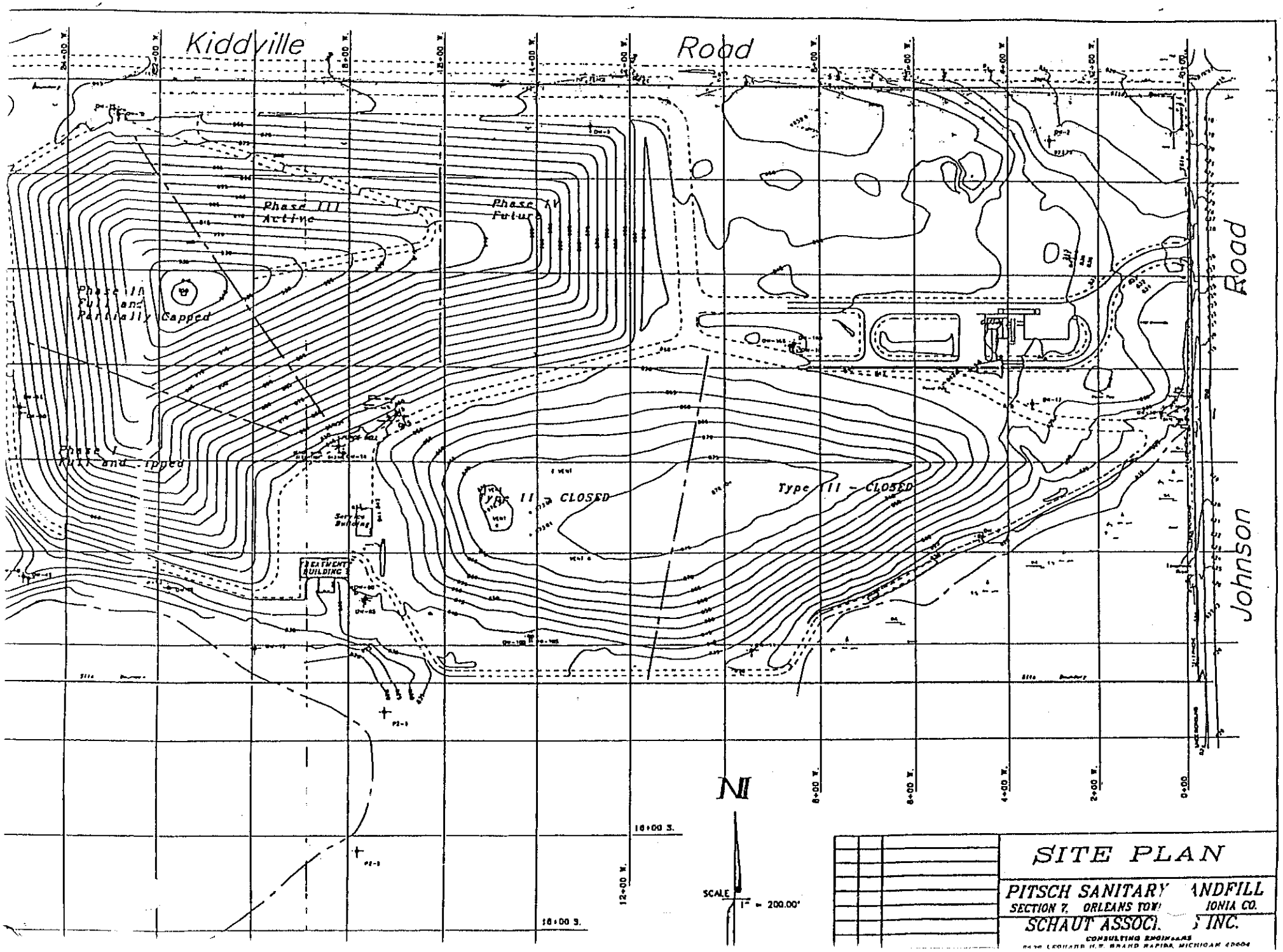

Kiddville Road
Johnson Road
Phase III Active
Phase IV Future
Phase IIA Full and Partially Capped
Phase I Full and Capped
Type II - CLOSED
Type III - CLOSED
TREATMENT BUILDING
Service Building
N
SCALE 1" = 200.00'
SITE PLAN
PITSCH SANITARY LANDFILL
SECTION 7, ORLEANS TOWNSHIP, IONIA CO.
SCHAUT ASSOCIATES INC.
CONSULTING ENGINEERS

Figure 1

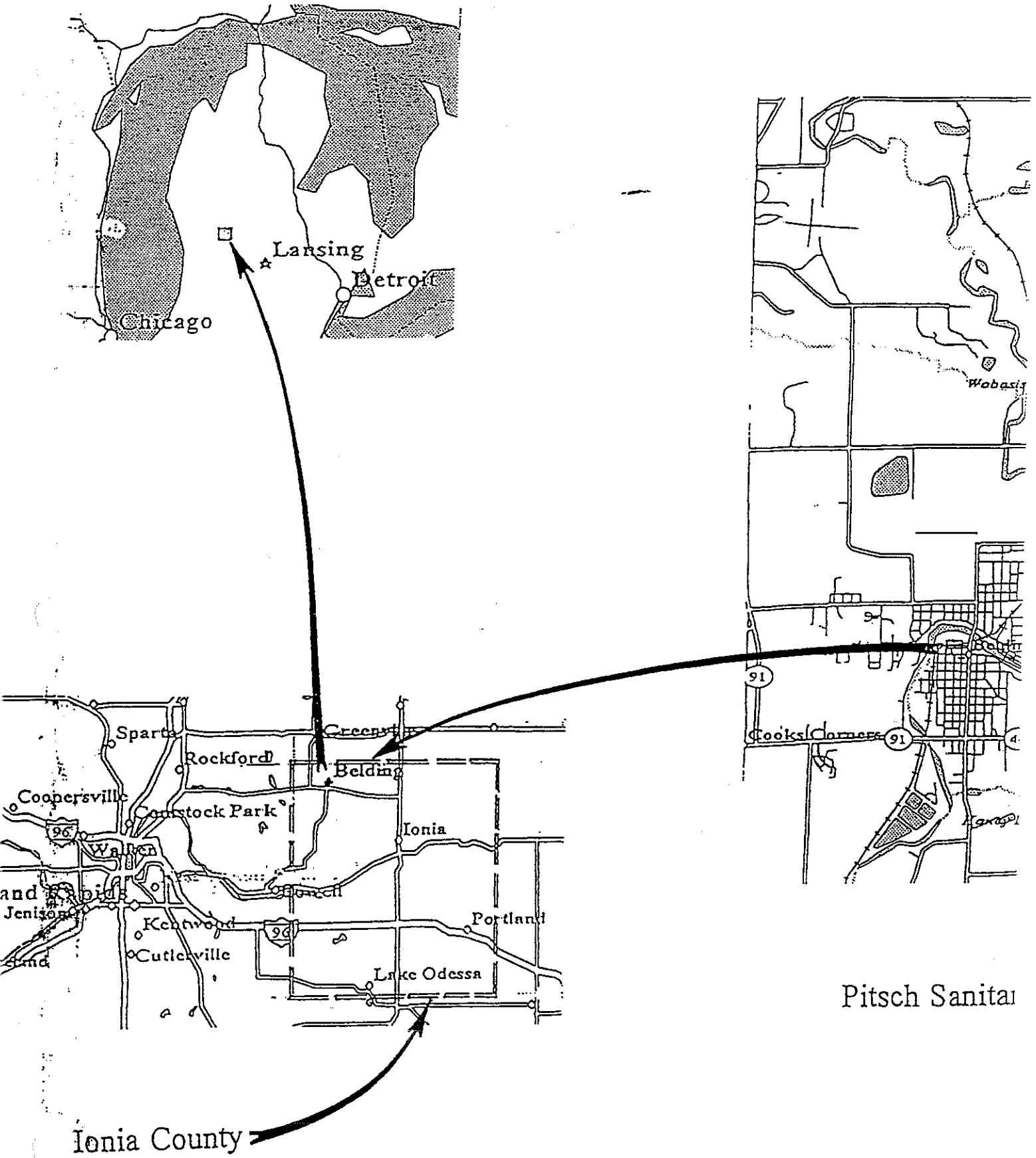
Regional Location Map

Pitsch Sanitary Landfill

Kiddville Road
Ionia County
Belding, Michigan

Aqua-Tech Consultants, Inc.

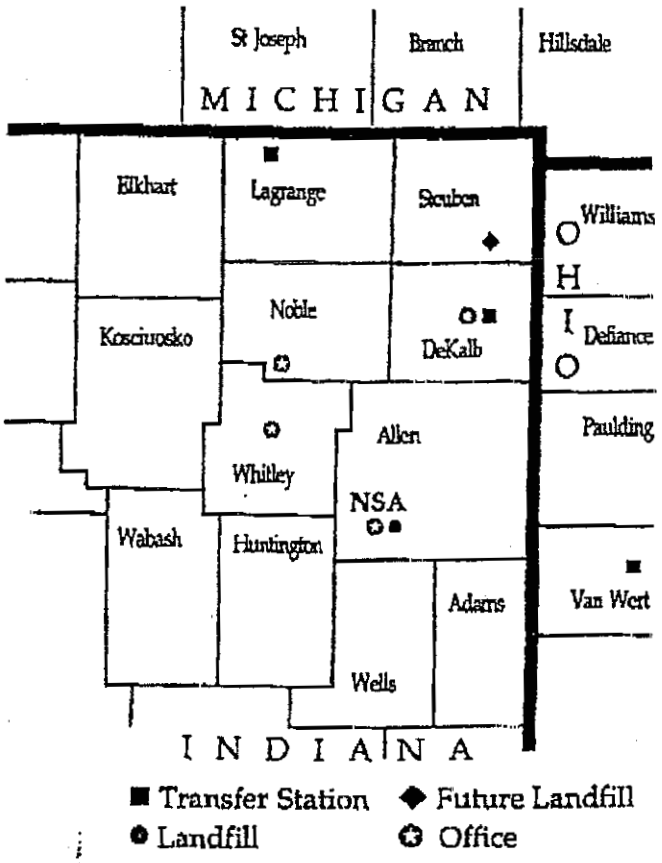
1336 Scribner NW
Grand Rapids, MI 49504

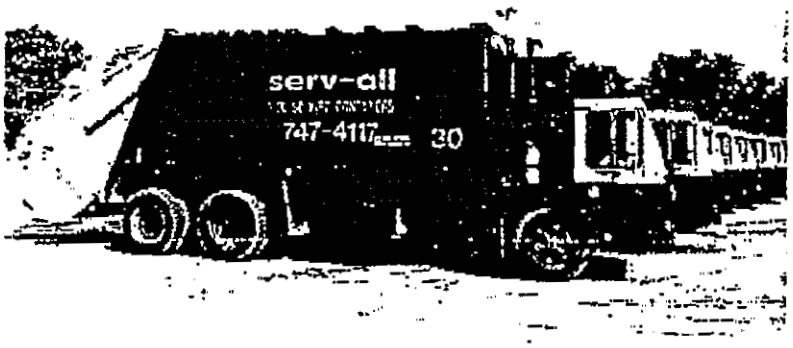


	Job# 15948	Drawn By GAS	Date Aug 30, 1995

Divisions

National Serv-All's divisions consist of solid waste hauling companies, transfer facilities, processing facilities, composting operations, and a sanitary landfill. All of our companies and facilities are actively involved in local governmental and community affairs, and share the same concern towards quality of service and the environment. Several divisions are actively involved in establishing community recycling and compost programs. The public is encouraged and welcome to visit our facilities at anytime during office hours.





MANAGEMENT CORPORATION • 3400 EAST LAFAYETTE • DETROIT, MICHIGAN 48207 • (313) 567-4700

October 2, 1997

RECEIVED
OCT 07 1997

R. James Guse, Chairman
Cass County Board of Commissioners
120 N. Broadway
Cassopolis, MI. 49031

Dear Mr. Guse:

On behalf of City Environmental Services Landfill, Inc. of Hastings, d/b/a Hastings Sanitary Services, Inc., I am requesting that the Cass County Board of Commissioners amend its Solid Waste Management Plan and/or enter into a reciprocal agreement with Barry County to provide explicit authorization for the export of Cass County's solid waste to the landfill operated by Hastings Sanitary Services, Inc. in Hastings Township, Barry County, Michigan.

Last year, the Department of Environmental Quality approved amendments to the Barry County Solid Waste Plan authorizing export of Solid waste from Barry County to all 82 counties in Michigan, and primary disposal at our landfill in Hastings from 19 Michigan counties - one of which is Cass County.

We respectfully request you take whatever actions are necessary to provide explicit authority for the exportation of solid waste from Cass County to Barry County. We realize you are commencing the process of updating your solid waste management plan and inclusion of our request in that update would be timely for our purposes.

We would further request consideration for representation on your Solid Waste Planning Committee whenever an approrpriate vacancy occurs.

If there is any further information you may need or if you would like to discuss this matter further, please do not hesitate to contact me at (313) 567-4700, extension 211.

Sincerely,

James F. Cleary
Vice President

cc: Ms. Judy Lammers, Southwestern Michigan Commission
Don Sharbutt

SOLIDWAS LTR

CITY

Michigan Department of Environmental Quality
Waste Management Division

DEQ

SOLID WASTE DISPOSAL AREA OPERATING LICENSE

This license is issued under the provisions of Part 115 Solid Waste Management of the Natural Resources and Environmental Protection Act, 1994 PA 451, MCL 324.11501 et seq, (Part 115), to authorize the operation of the solid waste disposal area (Facility) in the State of Michigan. This license does not obviate the necessity of obtaining other clearances and permits as may be required by state law.

FACILITY NAME: City Environmental Services Landfill Inc. of Hastings

GRANTED TO: City Environmental Services Landfill Inc. of Hastings

TYPE OF FACILITY: Type II Sanitary Landfill

FACILITY ID: 08-000005

COUNTY: Barry

LICENSE NUMBER: 8564

ISSUE DATE: September 28, 1998

EXPIRATION DATE: September 28, 2000

FACILITY DESCRIPTION: The City Environmental Services Landfill Inc. of Hastings Type II landfill consists of 330.22 acres located in the N ½ of the NE ¼ of Section 6, Hastings Township, and the SE ¼ of Section 31, Carlton Township, Barry County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: The area identified on Attachment A as Cells 2-02, 2-02b, 2-03, 2-04, 5, and the Leachate Storage Tank with Spill Containment Area, consisting of 20.97 acres.

RESPONSIBLE PARTY TO CONTACT: Mr. John Prusko
City Environmental Services Landfill Inc. of Hastings
1869 N. Broadway
Hastings, Michigan 49058
616-945-4493

☒ RENEWAL OPERATING LICENSE: This License Number 8564 supersedes and replaces Solid Waste Disposal Area License Number 8373 issued to City Environmental Services, Inc. of Hastings on June 6, 1996.

This license is subject to revocation by the Director of the Michigan Department of Environmental Quality (Director) if the Director finds that the disposal area is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, this act, or the rules promulgated under this act. Failure to comply with the terms and provisions of this license may result in legal action leading to civil and/or criminal penalties as stipulated in Part 115. This license shall be available through the licensee during the entire effective date and remains the property of the Director.

THIS LICENSE IS NOT TRANSFERABLE.

Joan H. Peck, Chief, Solid Waste Program Section
Waste Management Division

Form Revised 11/29/95

DEQ

Michigan Department of Environmental Quality
Waste Management Division

SOLID WASTE DISPOSAL AREA CONSTRUCTION PERMIT

This construction permit is issued under the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, to permit the construction of a solid waste disposal area (Facility) in the State of Michigan. This permit does not obviate the necessity of obtaining other clearances and permits as may be required by state law.

FACILITY NAME: Hastings Sanitary Service, Inc.

GRANTED TO: City Environmental Services Landfill, Inc. of Hastings

TYPE OF FACILITY: Type II Landfill

FACILITY ID: 08-000005

COUNTY: Barry

PERMIT NUMBER: 0357

ISSUE DATE: April 28, 1998

EXPIRATION DATE: One year from date of issue unless development of facility begins within the year.

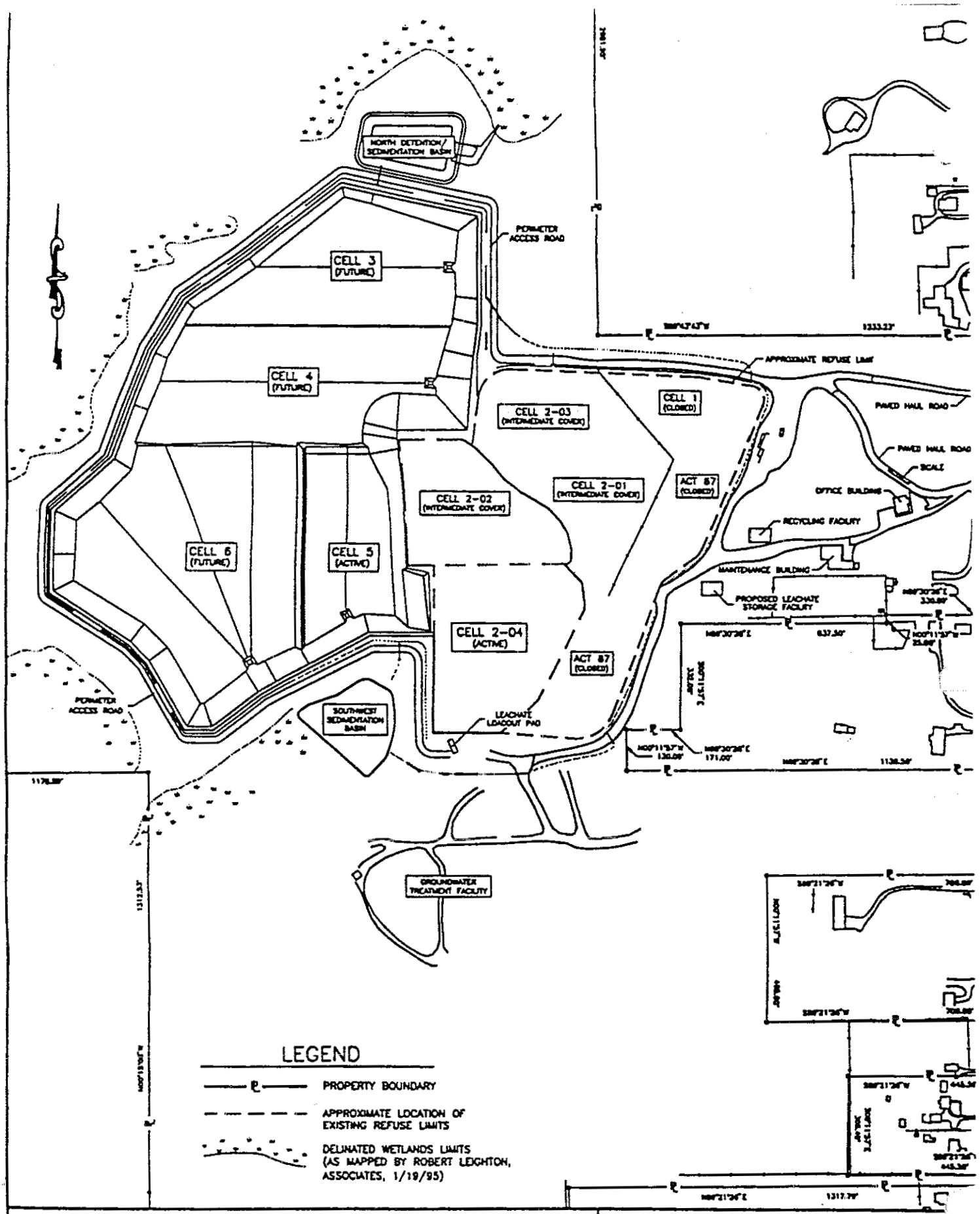
FACILITY DESCRIPTION: The Hastings Sanitary Service, Inc., Type II landfill, consists of 330.22 acres located in the N ½ of Section 6, T3N, R8W, of Hastings Township, and the S ½ of Section 31, T4N, R8W, of Carlton Township, Barry County, Michigan. The facility is identified in Attachment A and is fully described in this permit.

RESPONSIBLE PARTY TO CONTACT: Mr. Michael R. Beaudoin, P.E.
City Environmental Services Landfill, Inc. of Hastings
3400 East Lafayette
Detroit, Michigan 48207
313-567-4700

This permit is subject to revocation by the Director of the Michigan Department of Environmental Quality (Director) if the Director finds that the disposal area is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, this act, or the rules promulgated under this act. This permit shall be available through the applicant during the entire effective date and remains the property of the Director. Failure to comply with the terms and provisions of this permit may result in legal action leading to civil and/or criminal penalties as stipulated in Part 115

THIS PERMIT IS NOT TRANSFERABLE UNLESS PRIOR AUTHORIZATION HAS BEEN OBTAINED FROM THE DIRECTOR.

Russell J. Harding, Director



CITY ENVIRONMENTAL SERVICES LANDFILL, INC. OF HASTINGS

GENERAL SITE PLAN

DATE: 10/3/97

HSS-GSP.DWG

Southeast Berrien County Landfill Authority
3200 Chamberlain Road, Buchanan, MI 49107 • (616) 695-2500 • Fax (616) 695-4230

ENTERED
DEC - 1 1998
CASS COUNTY
ADMINISTRATOR

November 27, 1998

RECEIVED
DEC 03 1998

Mr Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, Michigan 49031

Re: County Solid Waste Plan - Update

Dear Mr. Proctor:

The Southeast Berrien County Landfill (SEBCL) is a Type II MSW Landfill operating in Berrien County Michigan and authorized to accept residential, commercial, and industrial non-hazardous solid waste. The Southeast Berrien County Landfill currently has in excess of 2.7 million tons of capacity and a life expectancy of 15 to 20 years. Therefore SEBCL is willing and able to accept 100% of the Type II solid waste from Cass County for the next 10 years.

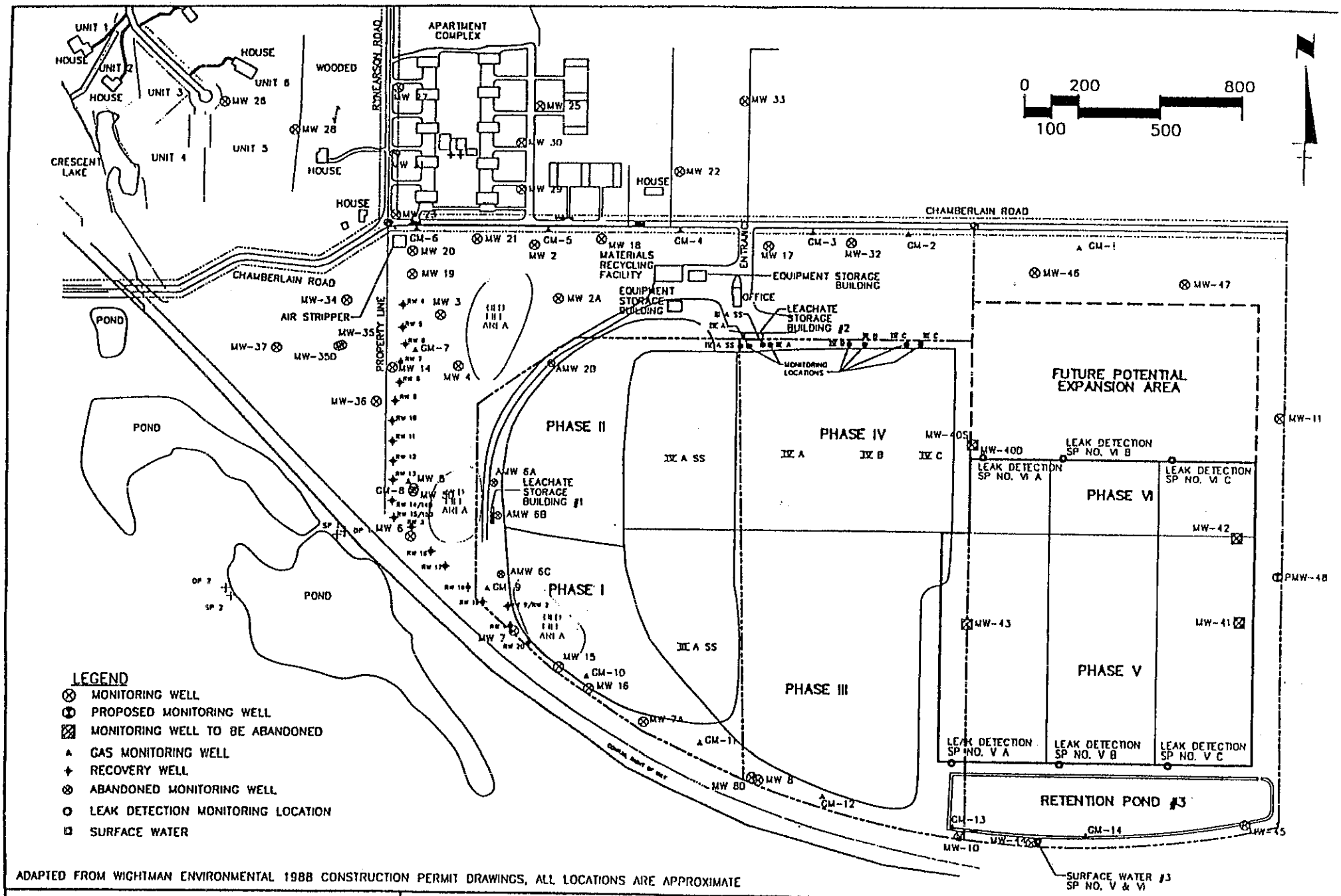
A facility description is included for your use. If you need any additional information please contact me at 616/695-2500.

Sincerely,

Bruce M. Knapp

Bruce M. Knapp, P.E.
General Manager

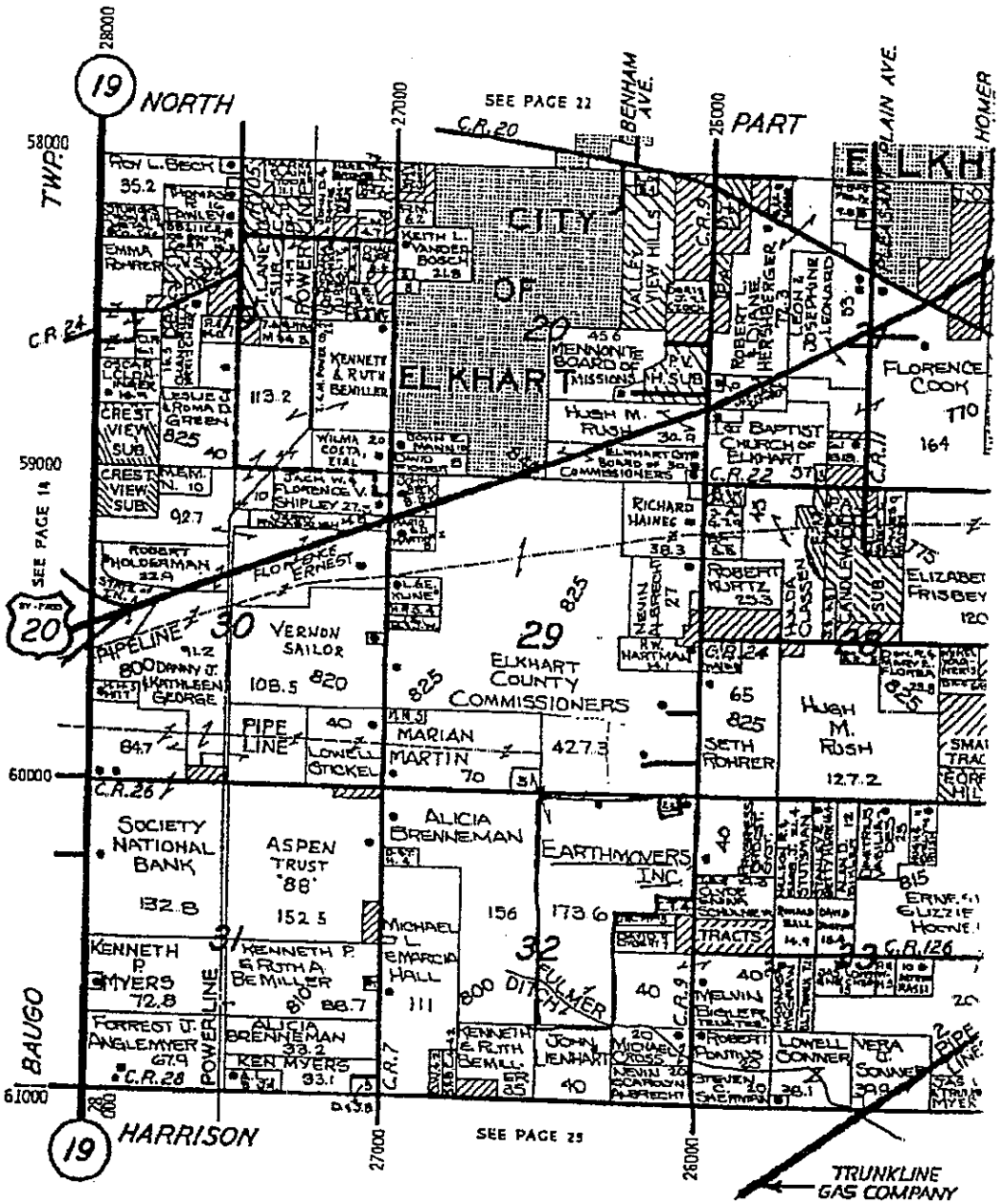
Printed on Recycled Paper



ADAPTED FROM WIGHTMAN ENVIRONMENTAL 1988 CONSTRUCTION PERMIT DRAWINGS, ALL LOCATIONS ARE APPROXIMATE

Cole ... LE ASSOCIATES, INC.	SOUTHEAST BERRIEN COUNTY LANDFILL ... THORITY	SITE MONITORING POINTS	SCALE: SHOWN

T. 37 N. – R. 5 & 6 E.



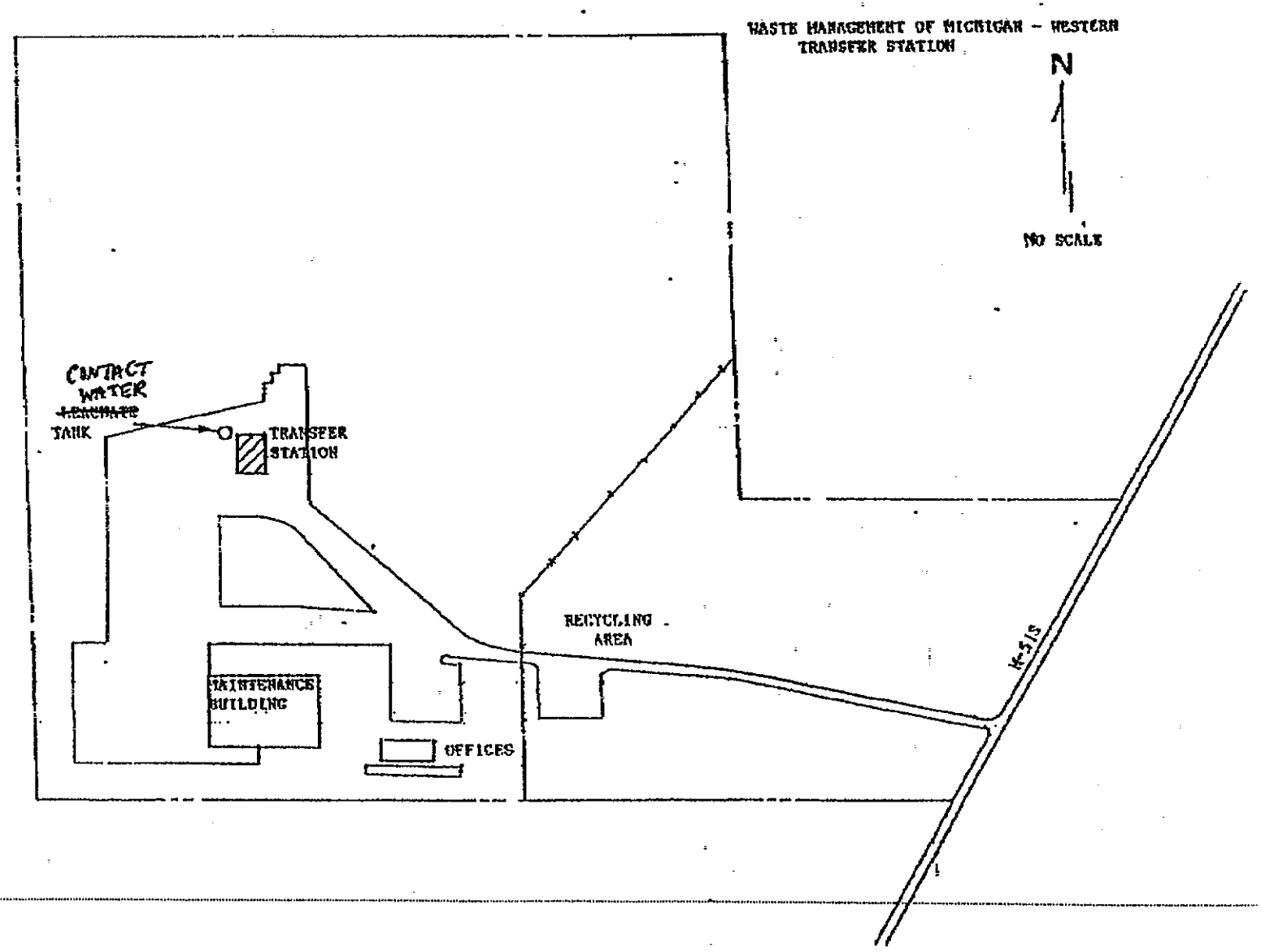
Earthmovers

Chamberlain Realty

314 South 4th Street
Elkhart, Indiana 46516

(219) 295-8205

ATTACHMENT A



Carl Rigley
and file

ENTERED
NOV 12 1998
CASS COUNTY
ADMINISTRATOR

November 9, 1998

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, MI 49031

RE: Your County Solid Waste Plan Update - Explicitly Authorized Solid Waste Exports

Dear Mr. Proctor:

Previously, BFI sent you a letter requesting inclusion in your Solid Waste Plan Update of our landfill facilities, C&C Landfill in Calhoun County (south central Michigan), Arbor Hills Landfill in Washtenaw County (southeast Michigan) and Vienna Junction Landfill in Monroe County (also southeast Michigan). At this time we would like to request that your Solid Waste Planning Committee also include BFI's Cork Street Transfer Station located in the city of Kalamazoo in Kalamazoo County in your Plan Update. This will be important should your county wish, at some point in the future, to export waste to this facility for transfer to our C&C landfill or Arbor Hills Landfill facilities.

BFI would be pleased to help your county to provide for its long term disposal needs. We look to provide any assistance we may offer to you as you move through this solid waste planning update process. We would also be happy to attend any scheduled meetings at which you might request BFI to be present, in order to discuss this request in more detail. I thank you for your attention to this request.

Sincerely,

Kathleen A. Klein
BFI Public Sector Representative

Arbor Hills Landfill · 10690 W. Six Mile Rd. · Northville, Michigan 48167
Phone 248-349-7230 · Fax 248-349-7572
www.bfi.com

30% Post-Consumer

cc. Carl H [illegible]
Judy Lamming

RECEIVED
APR 2 1 1998
APR 15 1998
CASS COUNTY ADMINISTRATOR

Craig Laurent
Environmental Consultant
P O Box 44
Battle Creek, MI 49016

Phone & Fax 616-962-5082

April 14, 1998

Mr. Terry Proctor, Administrator
120 North Broadway
Cassopolis, MI 49031

RE: Request for inclusion in the Cass County Solid Waste Plan Update.

Dear Mr. Proctor:

Michiana Recycling and Disposal owns and operates a solid waste hauling business located at 2275 Reum Road, Howard Township in Cass County. Michiana request that the site be included in the Cass County Solid Waste Management Update as consistent for use as a Solid Waste Transfer Station/Solid Waste Processing Facility.

The site is located just west of the intersection of M-60 and Reum Road and zoned industrial. It is currently being used as an office and to house the solid waste hauling operation.

We believe that inclusion of this site in the Solid Waste Management Plan Update will assist Cass County in reaching their goals of increasing recycling and material recovery from the waste stream by providing opportunities for better management and materials recovery from the waste stream.

If you have any questions regarding this matter please feel free to contact me.

Sincerely,

Craig Laurent

Craig Laurent

cc: H. Valkema
Henry

CITY ENVIRONMENTAL, INC. • 1923 FREDERICK STREET • DETROIT, MICHIGAN 48211 • (313) 923-008(
20 years
FAX: (313) 923-021
SALES FAX: (313) 923-337

April 10, 1998

RECEIVED
APR 16 1998

Ms. Sandy Lammers
Southwestern Michigan Commission
185 East Main
Vincent Place, Suite 701
Benton Harbor, MI 49022

Re: Inclusion into Solid Waste Plan

Dear Ms. Lammers:

City Environmental, Inc. (CEI) a leader in the treatment and disposal of hazardous waste is hereby requesting the opportunity to be included in your commission's solid waste plan. Beginning in 1989, CEI has been actively involved with household hazardous waste programs (H H W) across the state. Over 1,250 collections performed to date, including the combined collections from our service division in Florida. We are proud to be able to offer your community alternatives to taking household hazardous wastes directly to a landfill.

We offer a service that allows for household hazardous materials including such items as bleach, ammonia, used oil, antifreeze, poisons, herbicides, and many other wastes, to be treated properly at a licensed and permitted hazardous treatment facility located here in the State of Michigan. The immediate benefits of this service are that it reduces the volume going into the landfills and takes most of the dangerous items out of household waste and diverts them for proper treatment. The long term benefits are that not only is it safer for the environment but also safer for the waste handlers who come across it on a daily basis, year after year. We are asking that your commission consider City's H H W programs as a viable alternative to landfilling materials as you would view composting or recycling as an alternative. Thank-you for taking the time and consideration to review our request. If you would like to learn more about our programs or have any questions regarding our facility, please contact me at (313) 923-0080, ext. 179 or Mr. Rod Nacker at ext. 139.

Sincerely,

Dawn D. New

Dawn D. New
Special Waste Representative

CITY

Recycled Paper

SAUK TRAIL HILLS DEVELOPMENT, INC.

5011 S. Lilley Road
Canton, MI 48188
Phone: (313) 397-2790 Fax: (313) 397-2694

RECEIVED
NOV 14 1997

November 10, 1997

Ms. Judy Lammers
Southwestern Michigan Commission
185 East Main
Vincent Place, Suite 701
Benton Harbor, MI 49022

Re: Cass County Solid Waste Management Plan Update
Explicitly Authorized Solid Waste Exports

Dear Ms. Lammers:

I understand that Cass County has indicated to the Michigan Department of Environmental Quality ("MDEQ") that the County intends to prepare an update to its solid waste management plan (the "Plan Update") as required by Part 115 of the Natural Resources and Environmental Protection Act, and that you are the contact person for the Plan Update. As you may know, in order for a landfill located in one county to serve the disposal needs of another county, Part 115 requires that the solid waste management plans for both counties explicitly authorize such service. Further, although not expressly required under Part 115, MDEQ's "Guide to Preparing the Solid Waste Management Plan Update Format" recommends that a Plan Update explicitly identify the quantity of waste which may be exported to another county for disposal. The relevant pages of this MDEQ guidance document are enclosed. This letter formally requests that the Cass County Plan Update explicitly authorize each of the following landfills owned and operated by Allied Waste Industries, Inc. ("Allied") to serve up to 100 percent of the daily and annual disposal needs of Cass County:

Allied Landfill	Host County
Auburn Hills (Auburn Hills, MI)	Oakland
Ottawa Farms (Coopersville, MI)	Ottawa
Sauk Trail Hills (Canton, MI)	Wayne

The existing MDEQ-approved solid waste management plan for Cass County apparently does not explicitly authorize the service requested in this letter Allied believes that its landfills can provide competitively priced, environmentally sound solid waste disposal services that are currently unavailable to Cass County residents under the existing plan

Allied would be happy to provide the you with any information Cass County might require with respect to this request Thank you for your attention to this matter and I look forward to hearing from you soon

Very truly yours,

Laurie Kendall

Laurie Kendall
District Landfill General Manager
ALLIED WASTE INDUSTRIES, INC

Enclosure

ATTACHMENT #4

Export/Import Letters from Other Counties

BARRY
COUNTY
COURTHOUSE
220 W. STATE STREET
HASTINGS, MICHIGAN 49058

RECEIVED
OCT 1 9 1998

October 9, 1998

Marcy Hamilton
Southwestern Michigan Commission
185 E. Main Street, Suite 701
Benton Harbor, MI 49022

RE: Import/Export Agreements for Solid Waste Management

Dear Ms. Hamilton:

The Barry County Solid Waste Planning Committee is currently drafting its update plan.

Cass County is listed as an authorized importing county in our draft Solid Waste Management Plan update. The import of Cass County's waste is consistent with the current host agreement between Barry County and City Environmental Services Landfill, Inc. of Hastings.

Our current draft Plan lists export authorization to all other counties in Michigan that will list Barry County as an exporting county in their plans.

It is also our understanding that Cass County will list Barry County as an identified exporting county in your Solid Waste Plan update. We have also included the Facility Description for the City Environmental Services Landfill, Inc. of Hastings per your request.

If you have any questions concerning the above, please contact us.

Sincerely,

BARRY COUNTY SOLID WASTE PLANNING COMMITTEE

V. Harry Adrounie, Ph.D
Chairman

County of Ottawa
Health Department

Environmental Health Division
12251 James Street Suite 200 Holland MI 49424-9675

(616) 393-5645
Fax (616) 393-5643

August 24, 1998

Ms. Marcy Hamilton
Southwestern Michigan Commission
185 E. Main Street, Suite 701
Benton Harbor MI 49022

RECEIVED
AUG 2 6 1998

RE: Letter dated July 29, 1998

Dear Ms. Hamilton

I am in receipt of your letter regarding solid waste management plan update import/export arrangements. Ottawa County is intending to recognize Cass County as one of twenty-four Counties within a disposal region for import and export authorization. The Counties include: Allegan, Barry, Berrien, Branch, Calhoun, Cass, Clare, Clinton, Eaton, Gratiot, Ionia, Isabella, Kalamazoo, Kent, Lake, [illegible]son, Mecosta, Muskegon, Montcalm, Newago, Oceana, Osceola, St. Joseph, and Van Buren Counties.

Importation of Out-of-County Solid Waste
Ottawa County has approved the counties listed above for disposal of Type II/III solid waste and authorizes solid waste from these counties to be deposited in licensed facilities located in Ottawa County. Solid waste may be imported from one or any combination of the above listed counties if explicitly authorized by the exporting county's Solid Waste Management Plan. Disposal of solid waste in licensed Type II facilities in Ottawa County is subject to a cap of 1,500,000 tons annually.

Exportation of Ottawa County Solid Waste
Ottawa County will authorize the exportation of up to 100 percent of the Ottawa County solid waste stream to any of the counties listed above whose Solid Waste Management Plan specifically authorize the acceptance of Ottawa County's solid waste.

Enclosed are copies of facility descriptions for the Type II landfills located in Ottawa County. If you have any questions please feel free to call me at 616/393-5638.

Sincerely

Darwin J. Baas

Darwin J. Baas
id Waste Management Coordinator

enclosures

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING PO BOX 30473 LANSING MI 48909-7973

INTERNET: www deq state mi us

RUSSELL J. HARDING, Director

RECEIVED

AUG 17 1998

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

August 14, 1998

Ms. Marcy Hamilton
Southwestern Michigan Commission
185 East Main Street, Suite 701
Benton Harbor, Michigan 49022

Dear Ms. Hamilton:

I am responding to your letter of July 29, 1998, regarding solid waste import and export authorizations in the Cass and Mecosta County Solid Waste Management Plan (Plan) Updates. In your letter, you request that the Department of Environmental Quality (DEQ), as the entity charged with preparing the Mecosta County Plan Update, authorize the import and export of solid waste between Cass and Mecosta Counties.

As you may be aware, there is currently no solid waste transfer or disposal facilities located in Mecosta County. While I anticipate recommending inclusion of Cass County in the Mecosta County Plan Update as a county from which solid waste may be imported to Mecosta County should such a facility be sited and constructed, I cannot give you specific assurance of this until the Director approves the final Plan Update. Likewise, per your letter, Mecosta County should be authorized in the Cass County Plan Update as a county authorized to export waste to Cass County. We realize that such authorization is also dependent on final DEQ approval of the Cass County Plan Update.

Please contact me if you should have any questions regarding this matter.

Sincerely,

John M. McCabe
Solid Waste Program Section
517-335-4789

cc: Ms. Melinda Keillor, DEQ
Cass County Planning File
Mecosta County Planning File

EATON COUNTY DEPARTMENT OF RESOURCE RECOVERY
1045 INDEPENDENCE BLVD
CHARLOTTE, MI 48813

RECEIVED
AUG 3 1 1998

August 27, 1998

MS MARCY HAMILTON
SOUTHWESTERN MICHIGAN COMMISSION
185 E MAINT ST SUITE 701
BENTON HARBOR MI 49022

Dear MS. HAMILTON:

The Eaton County Solid Waste Management Planning Committee has decided to list all counties in the attached table as candidates for import/export in the Solid Waste Management Plan. It was further decided to include language that states import/export authorizations are contingent upon any restrictions being met, and ***if and only if*** each county listed has Eaton County specified as both a future importer (Eaton County has no active disposal facility within its borders at this time) and current exporter of solid waste (reciprocity). Although no formal agreement is required, these criteria must be met for waste to flow freely between Eaton County and those listed in the attached table.

As Eaton County moved forward in the planning process, it became apparent that the above procedure was the best way to identify a large area of free-flow, while at the same time continuing with the Plan Update. The draft Eaton County Solid Waste Management Plan is tentatively scheduled to be placed out for public review in mid-September. Therefore, it is important that any restrictions your county wishes to place on import/export be identified for inclusion in the Eaton County Plan. You should also note that each county on the table is authorized as a Primary Disposal site. This relates to the incorporation of free-flow in the Eaton County Plan.

As a side note, this office has received responses from many counties already establishing their participation (or non-participation) in this system. I apologize for any redundancy or extra work this new approach may cause. However, by direction of the SWMPC, all counties identified are to be included in the Eaton County Plan, and therefore are to be notified.

If you have any questions or would like additional information, please do not hesitate to contact me at (517) 543-7500 x627 or via E-mail at **mhill@co.eaton.mi.us**. Thank you for time.

Sincerely,

Marc A. Hill
Resource Recovery Coordinator
(County Designated Planning Agency)

Enclosure

Region 2 Planning Commission

Jackson County Tower Building - 16th Floor
120 West Michigan Avenue
Jackson, Michigan 49201

Fax: 517-788-4635 | 517-788-4426 | Email: Region2@dmci.net

November 2, 1998

RECEIVED
NOV - 4 1998

Ms. Marcy Hamilton
Southwestern Michigan Commission
185 E. Main St., Suite 701
Benton Harbor, MI 49022

Dear Ms. Hamilton:

The Jackson County Solid Waste Management Planning Committee proposes to continue to recognize Cass County as a county eligible for import/export authorization. However, as stipulated in the current plan, a formal agreement between the two counties is required before any import/export of municipal solid waste can occur. The Jackson County Solid Waste Management Planning Committee wants to continue with this policy. The Jackson County Solid Waste Plan Update will list all of the counties with which Jackson County may enter into agreements for the import/export of municipal solid waste.

We have received your letter indicating Cass County's interest in being included in Jackson County's plan. Please consider this to be Jackson County Solid Waste Planning Committee's request to be recognized in the Cass County Solid Waste Plan Update as eligible for import/export authorization.

If you have any questions or concerns about this matter, please feel free to contact me at (517) 768-6711.

Sincerely,

Deborah Kuehn

Deborah L. Kuehn
Principal Planner

F:\DLK\SOLIDWAS\JACKSON\#2.LTR

cc Judy Samaras
+ file

PLANNING COMMISSION Telephone: (616) 467- 5617

125 W. Main St.
P.O. Box 277
Centreville, MI 49032-0277

RECEIVED
APR 21 1998
CASS COUNTY ADMINISTRATOR

RECEIVED
APR 24 1998

DATE: April 20,1998

TO: All Lower Peninsula Designated Solid Waste Planning Agency Representatives

FROM: St. Joseph County Solid Waste Planning Committee

RE: Solid Waste Management Plan Import/Export Arrangements

The St. Joseph County Solid Waste Planning Committee intends on listing all Lower Peninsula Counties as authorized exporters of Type II solid waste to St. Joseph County. Westside Landfill, located near Three Rivers, is owned and operated by Waste Management of Michigan and has a licensed life capacity of approximately 12 years. In addition to the currently licensed capacity Westside has an additional 280 acres available for future development. Westside Landfill has a current annual cap of 1.75 million gate cubic yards of solid waste with St. Joseph County contributing approximately 255,000 gate cubic yards per year.

If your county wishes to utilize Westside Landfill as a disposal area St. Joseph County must be listed in your plan as an authorized import/export county. Arrangements for specific amounts of waste to be exported to Westside Landfill should be made with Waste Management 616-279-5444.

The St. Joseph County Solid Waste Planning Committee requests that reciprocal agreements, allowing St. Joseph County to export solid waste to your county, be included in your county plans for counties that wish to include St. Joseph County as an import/export county.

Please direct correspondence and inquires to:

Mr. Craig Laurent
Environmental Consultant
PO Box 44
Battle Creek, MI 49016
Phone 616-962-5082

Sincerely,

Craig Laurent

Craig Laurent, Environmental Consultant

RECEIVED
JAN 28 1999

County of Antrim

Office of the Coordinator/Planner

Eric Cline
Associate Planner

Peter Garwood
Coordinator/Planner

Peggy Hamminga
Administrative Secretary

January 25, 1999

Marcy Hamilton
Southwestern Michigan Commission
185 East Main Street, Suite 701
Benton Harbor, MI 49022-4440

Dear Ms. Hamilton:

The County of Antrim wishes to be recognized in the next Solid Waste Management Plan Update for Cass County. This recognition will be for the purposes of exporting solid waste from our county to Cass County. The County of Antrim intends to list Cass County in its Solid Waste Management Plan Update as a possible receiver of solid waste from our county.

Please notify us as soon as possible regarding any special contingencies, conditions, or agreements that you may deem necessary regarding this request. To reply, please send notification to me at the following address:

Peter Garwood
Office of the Coordinator/Planner
P.O. Box 187
Bellaire, MI 49615

If you have any other questions or comments concerning this request please do not hesitate to contact me at the Office of Coordinator/Planner at (616) 533-6265. Thank you.

Sincerely,

Peter Garwood, Antrim County Coordinator/Planner

Antrim County Building P.O. Box 187
Bellaire, MI 49615

Phone: (616) 533-6265 Fax (616) 533-8111
E-mail: garwood1@freeway.net
ercline@freeway.net

Cass Hygiey
Judy Lammars

DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE SERVICES
PUBLIC WORKS DIVISION
110 NORTH FOURTH AVENUE
P.O. BOX 8645, ANN ARBOR, MI 48107-8645

RECEIVED
AUG 18 1998

ENTERED
AUG 17 1998
CASS COUNTY
ADMINISTRATOR

August 7, 1998

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, MI 49031

Dear Mr. Proctor,

In preparing its 1998 Part 115 Solid Waste Management Plan Update, Washtenaw County is considering recognizing all 83 counties in Michigan for import/export authorization. Exhibit A (attached) describes Washtenaw County's intended import/export authorizations, including quantities, for each county in the State. Please review this document carefully, noting particularly our proposed levels of solid waste importation from and exportation to your County.

Washtenaw County currently has one licensed and operational Type II landfill located within its borders, the Arbor Hills Landfill operated by Browning Ferris Industries. Per statutory requirements, it is necessary for both the generating and receiving county plans to explicitly authorize waste transfers and amounts. Washtenaw County is hereby requesting that your County authorize the receipt of Washtenaw County solid waste, in the quantity identified in Exhibit A, through explicit authorization in your solid waste plan.

Washtenaw County intends to release the draft of its Plan Update in October of this year. In order to ensure that your County's disposal needs are included in our Plan, and that our needs are likewise included in your Plan, we would appreciate receiving written notice of your import/export intentions by September 1, 1998.

Thank you for your attention to this matter. If you have any questions or concerns, please contact me at (734) 994-2398 or via e-mail at todds@co.washtenaw.mi.us.

Sincerely,

Susan Todd
Solid Waste Coordinator

Enc.

Alcona	Dickinson	Lake	Oceana
Alger	Eaton	Lapeer	Ogemaw
Allegan	Emmet	Leelanau	Ontonagon
Alpena	Genesee	Lenawee	Osceola
Antrim	Gladwin	Livingston	Oscoda
Arenac	Gogebic	Luce	Otsego
Baraga	Grand Traverse	Macinac	Ottawa
Barry	Gratiot	Macomb	Presque Isle
Bay	Hillsdale	Manistee	Roscommon
Benzie	Houghton	Marquette	Saginaw
Berrien	Huron	Mason	Saint Clair
Branch	Ingham	Mecosta	Saint Joseph
Calhoun	Ionia	Menominee	Sanilac
Cass	Iosco	Midland	Schoolcraft
Charlevoix	Iron	Missaukee	Shiawasee
Cheyboygan	Isabella	Monroe	Tuscola
Chippewa	Jackson	Montcalm	Van Buren
Clare	Kalamazoo	Montmorency	Wayne
Clinton	Kalkaska	Muskegon	Wexford
Crawford	Kent	Newago	
Delta	Keweenaw	Oakland	

This authorization is contingent upon the receiving County explicitly authorizing the receipt of Washtenaw County waste in their approved Part 115 Solid Waste Plan.

WAYNE COUNTY

Edward H. McNamara
County Executive

ENTERED
JUL 24 1998
CASS COUNTY
ADMINISTRATOR

July 21, 1998

RECEIVED
JUL 27 1998

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, MI 49031

ATTN: Mr. Terry Proctor
County Solid Waste Planning Agency

Dear Mr. Proctor:

In the preparation of our 1998 update of the County Solid Waste Plan, Wayne County will consider recognizing all 83 counties in Michigan for import/export authorization if that is the desire of your County, and subject to the conditions outlined in the Plan. Wayne County will require a reciprocal agreement for the transfer of solid waste to your county in the event that your County has, or in the future sites, a solid waste facility.

If your County requests to be identified in our plan as an exporter of waste to Wayne County, your County should identify the maximum quantity of solid waste that your County wants authorization to export into Wayne County each year. Similarly each County willing to accept waste from Wayne County should identify the maximum volume of waste which Wayne County would be authorized to export to your County.

Wayne County will also require that each municipality within your County that wishes to export waste to Wayne County comply with the waste reduction and resource recovery goals of the Wayne County Plan. Compliance with this requirement is established by the submission of the appropriate resolutions from each County municipality to each solid waste facility within Wayne County that will receive waste from your County. Upon adoption, a copy of each municipal resolution should also be sent to this office.

DEPARTMENT OF ENVIRONMENT
3600 COMMERCE COURT • BUILDING E • WAYNE, MICHIGAN 48184

Wayne County will accept a reciprocity agreement from your County if that is the method which you will utilize to document the agreements by the County to import and export solid waste. If you require a particular form for such a reciprocal agreement, please provide me with a copy of the form for our review.

You may want to review facility descriptions for the Wayne County solid waste facility or facilities, which your county, or a municipality in your county, proposes to export Type II or other waste from your County. You should contact each facility within Wayne County directly to determine if there are any specific stipulations, conditions, or restrictions that will affect the import of waste into each facility. As indicated above, Wayne County does require the submission of the appropriate resolutions from each County municipality that will export its waste to both this Department and the facility.

We do not yet have an estimated date for the completion and approval of the 1998 update of the Wayne County Solid Waste Plan. If I can provide any further information at this time, please let me know.

Future correspondence should be directed to my attention at this address.

Very truly yours,

Robert H. Fredericks

Robert H. Fredericks, Director
Land Resource Management Division

Mr. Terry Proctor
Cass County Administrator
120 North Broadway
Cassopolis, MI 49031

ENTERED
MAY 10 1998
CASS COUNTY
ADMINISTRATOR

RECEIVED
MAY 26 1998

May 18, 1998

Dear Terry,

In preparing the Solid Waste Management Plan Update, Calhoun County has recognized 17 counties within its primary disposal region for import and export authorization. Your county has been recognized for the transfer of solid waste within this primary disposal region. In trying to keep within a balanced approach to authorizing waste flows, we are requesting that your SWMP Update recognize Calhoun County for solid waste import and export.

Historically, waste flows between your county and Calhoun County may or may not have taken place. In attempting to keep our plans consistent, we are requesting that you provide documentation for the way your county will choose to authorize import and export, including any individual county volume limitations and restrictions on the types of solid waste.

Calhoun County has recognized that natural market changes do take place among the solid waste industry. Therefore, Calhoun County is considering allowing 100% import and export between these 17 counties to avoid any future Plan import and export volume violations. Allowing this free flow within the primary disposal region also will allow the waste industry people to more effectively, economically, and environmentally serve counties and their people.

Because your county has been recognized for the transfer of solid waste within this primary disposal region, we would like to compile a complete inventory of all disposal facilities. We are requesting that you provide a "facility description" for each Type II and Type III landfill, Type A and Type B transfer station, incinerator, waste-to-energy, and waste pile facility operating within your county. For each facility, please indicate the counties in which the facility presently services and whether restrictions will limit the use of the facility.

In collecting information for a complete inventory of all solid waste disposal facilities within this primary disposal region, it will allow Calhoun County to analyze the existing capacity and available capacity. In order to determine what these capacities will be and to assess the volumes of

future imports, we are requesting that you provide information about your county's projected waste generation volumes, present and projected population densities, and structure of economic base.

Although we are requesting much information from you and your county, we would appreciate your cooperation to get this information to us in a timely manner. If you anticipate any delays in obtaining this information, please notify Victoria Shelby at (616) 781-0973.

Thank you kindly for your cooperation.

Roger Andrews
Calhoun County Bldg.
315 West Green Street
Marshall, MI 49068

COUNTY OF BERRIEN
DEPARTMENT OF PLANNING & PUBLIC WORKS
Planning Commission · Board of Public Works · GIS/Land Description
Resource Recovery · County Transit · Harbor Authority

Berrien County Administration Center – 701 Main Street – St. Joseph, MI 49085-1392
Telephone: 616/983-7111, Ext. 8617 – Fax: 616/982-8611 – jgruchot@berriencounty.org

RECEIVED
MAY 27 1999

TO: Designated Planning Agency Representatives for Solid Waste Management Plans

DATE: May 25, 1999

SUBJ: Solid Waste Management Plan Update - Import / Export Authorizations

The current update to the Berrien County Solid Waste Management Plan will recognize its fellow member counties of the Southwest Michigan Solid Waste Consortium (Allegan, Calhoun, Cass, Kalamazoo, St. Joseph and Van Buren), plus Branch County, for import and export authorization of solid waste during the planning period. This action retains the waste shed designated in the previous Plan Update. Authorization is subject to the conditions outlined below.

Import Authorization
Up to 100% of the solid waste stream generated by the above counties is authorized for disposal in any licensed solid waste disposal facility located in Berrien County, provided that the exporting counties explicitly authorize such export in their Solid Waste Management Plan, in accordance with Part 115, 1994 PA 451, as amended.

Export Authorization
Berrien County will authorize the export of up to 100% of the Berrien County solid waste stream to any of the counties listed above whose Solid Waste Management Plan explicitly authorizes the acceptance of Berrien County's solid waste, in accordance with Part 115, 1994 PA 451, as amended.

If you have any questions on this or related matters, please contact me at your convenience.

Sincerely,

John Gruchot
Resource Recovery Coordinator
Berrien County

cc: Berrien County Solid Waste Planning Committee

GENESEE COUNTY METROPOLITAN PLANNING COMMISSION

ROOM 223 - 1101 BEACH STREET FLINT, MICHIGAN 48502-1470

TELEPHONE (810) 257-3010 FAX (810) 257-3185

CHAPIN W. COOK
DIRECTOR-COORDINATOR
THOMAS G. GOERGEN
ASSISTANT DIRECTOR

RECEIVED
MAY 13 1999

May 6, 1999

RECEIVED
MAY 10 1999
CONTROLLER OFFICE

Mr. Terry Proctor
Cass County
Cass County Administrator
120 N. Broadway
Cassopolis, MI 49031

Subject: Genesee County Solid Waste Management Plan Update
Importation and Exportation of Solid Waste

Dear Mr. Proctor:

The Genesee County Solid Waste Management Committee has developed the following criteria for evaluation of the counties to be included as exporters and importers of solid waste in the our "Update to Genesee County's Solid Waste Management Plan."

In order to be included in our Plan, the following must be met:

- Genesee County must have ample space to accommodate solid waste imported from other counties.
- The exporter's/importer's Goals must be similar to Genesee County's Solid Waste Management Goals.
- There must be no restrictions on the amount of waste received by or exported to another county.
- Genesee County must be named in the importer's/exporter's respective solid waste management plans; and since Genesee County must be in the individual solid waste management plans, we will not sign a reciprocal agreement with any county.

If you wish to be included in Genesee County's plan, please send a letter to me requesting either Importation, exportation or both; a copy of your approved Solid Waste Management goals and objectives; a copy of your approved selected alternative; and proof of the inclusion of Genesee County in your respective plans.

If you have any questions, please don't hesitate to contact me at (810) 257-3010.

Sincerely,

Tom Goergen
JS

Thomas Goergen
Assistant Director

k:\ wastemgt\letters\imexre.doc

ATTACHMENT #5

Approval Action by Solid Waste Planning Committee, Board of Commissioners, and Each Municipality

ty of Cass

N. Shue being duly sworn, deposes and says that he/she is the
sif d Manager of the Dowagiac Daily News a newspaper printed and published in
v of Cass in said State; that the annexed printed notice has been
she n said newspaper and that the first insertion was on the 21 day of
, 1999 and the last insertion on the 21 day of April,1999.

ENTERED
APR 22 1999
CASS COUNTY
ADMINISTRATOR

scribed to and sworn before me this 21 day of April , 1999.

e M. Dean
ry Public, Cass County, Michigan.
commission expires 08/01/99.

GAL NOTICE

Cass County Solid Waste Planning Committee announces the release of the draft Cass County Solid Waste Management Plan
late for public review and comment. The review period will begin April 22, 1999 and end on July 21, 1999. During this period, the
t plan will be available at the County Courthouse, Administrator's Office for public review. Written comments should be sent to the
s County Courthouse, attn: Solid Waste Planning Committee, 120 N. Broadway, Cassopolis, MI 49031.

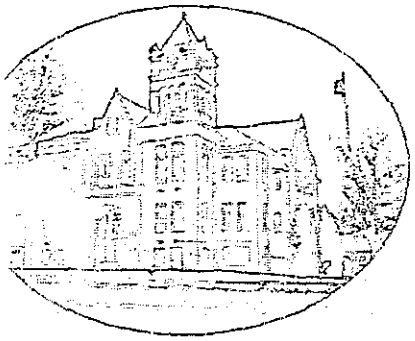
County will hold a public hearing on Thursday, May 27, 1999 at 4:00 p.m. at the Cass County Courthouse, 120 N. Broadway,
sopolis, MI 49031. The public hearing will allow interested persons to comment on the draft solid waste plan.

lished: April 21, 1999

April 15, 1999

The Cass County Solid Waste Management Planning Committee hereby authorizes the Cass County Solid Waste Management Plan for public review. The 90-day public comment period will begin on April 19, 1999 and end on July 21, 1999. A public hearing is scheduled for May 27, 1999 at 4:00 p.m. at the Cass County Courthouse.

Carl D. Higley, Sr., Chairman
Cass County Solid Waste Management Planning Committee



Cass County
Board of Commissioners

TO: Local Units of Government, Adjacent Counties, MDEQ, Interested Individuals and Organizations/Agencies

FROM: Carl D. Higley, Sr., Chairman *Carl D. Higley, Sr.*
Cass County Solid Waste Planning Committee

DATE: April 19, 1999

SUBJECT: Transmittal of Proposed Solid Waste Management Plan Update for Cass County

The Cass County Solid Waste Planning Committee hereby submits its Proposed Solid Waste Management Plan Update for Cass County for your review and comment. The Committee has worked several months to create this plan update for the County to fulfill the requirements of P.A. 451 of 1994, as amended, which mandates that all counties in the State develop solid waste management plans for their respective jurisdictions and further, update the plan every five years.

he Committee is releasing the Proposed Plan during a required 90-day review and comment period which commenced on the above date and will terminate on July 21, 1999. A copy of the draft plan will also be made available at the County Courthouse for public review. During the public review and comment period, a formal public hearing will be held to receive verbal comments on the plan update. Written comments will be accepted during the 90-day period as well as at the public hearing which is scheduled for May 27, 1999 at 4:00 p.m. at the County Courthouse in Cassopolis. Official notices will be published at a later date in advance of the hearing.

Following the 90-day review and comment period, the Committee may modify the plan to reflect received comments. The Committee will then recommend the Plan Update for approval to the Cass County Board of Commissioners. After the Board's review and action, the Plan Update will then be transmitted to all local units of government in the County for their official review and action. After approval, the Plan Update will be submitted to the Michigan Department of Environmental Quality for final review and action.

All written comments should be addressed to:

Cass County Courthouse
Attn: Solid Waste Planning Committee
120 North Broadway
Cassopolis, MI 49031

closure

120 N. Broadway ◊ Cassopolis, MI 49031 ◊ Telephone (616) 445-4420 ◊ Fax (616) 445-8978

Cass County
Board of Commissioners

To: Interested Individuals

From: Cass County Solid Waste Planning Committee

Date: April 26, 1999

Subject: Release of Proposed Cass County Solid Waste Management Plan Update

he draft Cass County Solid Waste Plan Update has been released for a 90-day public comment period. The draft addresses the County's solid waste system including resource recovery efforts and capacity available for disposal.

A copy of the draft plan is available for review at the County Courthouse in Cassopolis. Written comments will be received by the solid waste planning committee until July 21, 1999. A formal public hearing on the draft plan update is scheduled for May 27, 1999 at 4:00 p.m. at the Cass County Courthouse in Cassopolis.

Following the 90-day review and comment period, the Committee may modify the plan to reflect received comments. The Committee will then recommend the Plan Update for approval to the Cass County Board of Commissioners. After the Board's review and action, the Plan Update will be transmitted to all local units of government in Cass County for their official review and action. Following local adoption, the plan update will be submitted to the Michigan Department of Environmental Quality for final review and action.

120 N. Broadway ◊ Cassopolis, MI 49031 ◊ Telephone (616) 445-4420 ◊ Fax (616) 445-8978

The Cass County Solid Waste Management Planning Committee hereby approves the Cass County Solid Waste Management Plan. The plan will guide the solid waste management practices in the County for the next five years. The plan also identifies areas for disposal of Cass County waste for the next ten years.

all YEAS

_____ NAYS

Approved on August 31, 1999

Carl D. Higley Sr.

Carl D. Higley, Sr., Chairman
Cass County Solid Waste Management Planning Committee

Nigley offered and moved the adoption of the following resolution; seconded by Dayer.

R-150-99

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the draft plan has been reviewed and amended during the public comment period;

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners does hereby approve the amended 1999 Cass County Solid Waste Management Plan; and

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan;

BE IT FURTHER RESOLVED that the units of local government in Cass County be requested to review the plan and endorse it at their regular meetings

ADOPTED THIS 9TH DAY OF SEPTEMBER, 1999

ATTEST:

Ann L Simmons

Ann L. Simmons, Clerk
COUNTY OF CASS

R. James Guse

R. James Guse, Chairman
CASS COUNTY BOARD OF COMMISSIONERS

RESOLUTION 99-30

A RESOLUTION BY THE VILLAGE COUNCIL OF THE VILLAGE OF CASSOPOLIS DOCUMENTING SUPPORT AND ENDORSEMENT OF THE CASS COUNTY 1999 SOLID WASTE MANAGEMENT PLAN

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Village of Cassopolis does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Resolved this 8th day of November, 1999.

Julia A Bell

Julia A. Bell, President

Rhonda Ivens

Rhonda Ivens, Village Clerk

Upon a motion by Councilmember Snipes and supported by Councilmember Kugler the above and foregoing Resolution was duly resolved.

AYES: Andrews, Snipes, Beauchamp, Kugler, Malio and Bell
NAYS:
FOR:
AGAINST:
ABSENT:
ABSTAINING:

Resolution #2
May 22, 2000

Councilmember Laylin offered and moved the adoption of the following resolution; seconded by Councilmember Zablocki.

WHEREAS, the generation, proper management and disposal of solid waste is virtually important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Dowagiac City Council does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

ADOPTED/~~REJECTED~~ unanimously.

Judy Carlisle, Deputy Clerk

Judy Carlisle

CERTIFIED TO BE A TRUE AND CORRECT COPY

James E Snow 16 JUN 00

CITY CLERK, DOWAGIAC, MICH. DATE:

VILLAGE OF EDWARDSBURG

RESOLUTION 2000-3

1999 CASS COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources;and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste;and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County;and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has adopted the current plan;and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Village of Edwardsburg does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

George Pabreza offered and moved the adoption of the following resolution; seconded by George Monaghan.

RESOLUTION DECLARED ADOPTED

Albert L. Strukel
Village President

I, Bernadine Tilbury, Village of Edwardsburg Clerk, do hereby certify that the foregoing is a true and accurate copy of a Resolution duly adopted by the Village of Edwardsburg Board at the regular Village of Edwardsburg Board Meeting on the 15th day of May, 2000.

Bernadine Tilbury
Village Clerk

Howard Township Board Meeting May 16, 2000 7:00 p.m.

TRUSTEE LOVETT offered and moved the adoption of the following resolution; seconded by TREASURER WILSON.

Members present: SUPERVISOR DAVIS, CLERK LEET, TREASURER WILSON & TRUSTEES LOVETT, JOHNSON, GORDON & RICHMOND.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the HOWARD TOWNSHIP BOARD does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Linda M. Leet

Linda M. Leet

MAY 16, 2000

Date

Clerk LaPorte offered and moved the adoption of the following resolution; seconded by Treasurer Kirstein.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Township of Jefferson does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Reaffirmed:
June 14, 2000

ENTERED
OCT 1999
CASS COUNTY
ADMINISTRATOR

Resolution # 99-007
The 1999 Cass County Solid Waste Management Plan

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it,

NOW, THEREFORE, BE IT RESOLVED that the LaGrange Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Motion By: Trustee Ruth
Seconded By: Treasurer Criswell

Roll Call Vote:

Supervisor Wallace	Y
Treasurer Criswell	Y
Clerk Root	Y
Trustee File	A
Trustee Ruth	Y

Motion Carried By: 4 Aye, 0 No

Certification

I hereby certify that the foregoing is a true and accurate copy of a resolution agreement adopted by the LaGrange Township Board at a meeting held the 18th day of October, 1999 at the LaGrange Township Hall and that notice of said meeting was made and given in accordance with the provisions of the Michigan Open Meetings Act.

Judith A File-Root
Judith A File-Root - LaGrange Township Clerk

October 18, 1999
Date

Dodge offered and moved the adoption of the following resolution, seconded by Webb.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Township of Marcellus does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

yeas - 5
nays - none

Present: Olsen, Webb, Dodge, Grib, Boshoven.

Ann M. Webb
Marcellus Township Clerk

ENTERED
DEC 28 1999
CASS COUNTY
ADMINISTRATOR

Dennis Thompson offered and moved the adoption of the following resolution; seconded by Arlene Chew.

ENTERED
OCT - 8 1999
CASS COUNTY
ADMINISTRATOR

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Mason Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

E IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

MOTION TO ADOPT RESOLUTION

Moved by Dennis Thompson and supported by Arlene Chew

that the foregoing resolution be adopted. AYES: 5 NAYS: 0

ABSTENTIONS; 0.

RESOLUTION DECLAARED ADOPTED ON THIS DATE September 14, 1999

CERTIFICATION

I Linda S Gibbs, Clerk of the Township of Mason, Cass County, Michigan, hereby certify that the foregoing resolution was duly adopted by the Township Board of the TOWNSHIP OF MASON, CASS COUNTY, MICHIGAN, at a regular meeting of said board, at which a quorum was present held on Sept 14, 1999.

Signature: Linda S. Gibbs MASON TOWNSHIP CLERK

MILTON TOWNSHIP

2576 E. BERTRAND ROAD

NILES, MI 49120

Phone: (616) 684-7262
Or 663-6775

Fax: (616) 684-1742
Or 663-2296

June 21, 1999
Resolution 99-43

A motion was offered by Richard Gerbeth and seconded by Larry Neumann to support the following Resolution of the Cass County Solid Waste Management Plan Update Draft dated April, 1999.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Milton Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

All Milton Township Board Members vote yes.

Richard Gerbeth
Milton Township Clerk

** Dean Brazo, Supervisor * Larry Neumann, Treasurer * Richard Gerbeth, Clerk **
** Jim Rohdy, Trustee * Mike Andrews, Trustee **

COUNTY OF CASS, MICHIGAN

RESOLUTION IN SUPPORT OF
1999 CASS COUNTY SOLID WASTE MANAGEMENT PLAN

At a regular meeting of the Ontwa Township Board held on May 8,2000 in the township hall, called to order at 7:00 P.M. the following resolution was offered by Supervisor Wayne Hardin and supported by Clerk Helen J Parsons:

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and lonf range solutions for the mamagement of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Committee of Cass County; and

WHEREAS, THE Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of governmnet in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Ontwa Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

YEAS: 6 NAYS: 0 ABSENT: 1

STATE OF MICHIGAN)
) SS.
COUNTY OF CASS)

I, Helen J Parsons, the duly qualified Clerk of the Township of Ontwa, Cass County, Michigan (the "Township") do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board at a regular meeting held on May 8,2000 the original of which is on file in my office. Public notice of said meeting was given in pursuant to and in compliance with Open Meeting Acts, being Act No. 267 of the Public Acts of Michigan, 1976, as amended, including in the case of a special or rescheduled meeting notice by publication or posting at least eighteen (18) hours prior to the time set for the meeting.

IN WITNESS WHEREOF, I Have hereunto affixed my official signature this 10th day of May, 2000, A.D.

Helen J. Parsons

Helen J Parsons, Clerk
Township of Ontwa

Supervisor Gore offered and moved the adoption of the following resolution; seconded by Clerk Fitzsimons.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the PENN Twp. Bd. does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Resolution adopted November 8, 1999

Attest:

Lisa Fitzsimons

Lisa Fitzsimons, Clerk
PENN TOWNSHIP

resolution; seconded by Charles Miltenberger.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Township of Pokagon does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Roll Call Vote -

Aye - Shaffer, Miltenberger, Horn, Preston

Nay - None

Absent - Cook

Linda Preston, Adopted June 21, 2000

Linda Preston, Clerk

Pokagon Township

PORTER TOWNSHIP
CASS COUNTY, MICHIGAN

SEP 2? 1999
CASS COUNTY
ADMINISTRATOR

Stoner offered and moved the adoption of the following resolution; seconded by Kiner.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Porter Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

Resolution adopted at a regular meeting of the Porter Township Board held on September 14, 1999.

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution offered and adopted by the Porter Township Board at a regular meeting held on September 14, 1999.

Marty Russell

Marty Russell
Porter Township Clerk
P. O. Box 517
Union, MI 49130

RESOLUTION FOR ACCEPTANCE OF CASS COUNTY SOLID WASTE PLAN

At a regular meeting of the Volinia Township Board, Cass County, Michigan held at the township hall of said township on the twelfth day of June, 2000, the following resolution was offered by Bob Rasmussen and seconded by Beth Lehigh.

PRESENT: Supervisor Bruce Burkett, Treasurer Esther Mead, Clerk Beth Lehigh, Trustee Don Huff, Trustee Harry Rasmussen III
ABSENT: None

Whereas, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

Whereas, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

Whereas, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

Whereas, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

Whereas, each local unit of government in Cass County is being requested to review the plan and take action on it

Now, therefore, be it resolved that the Volinia Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

Be it further resolved that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

ADOPTED: YEAS: All NAYS: None

State of Michigan
Township of Volinia
County of Cass

I, the undersigned, the duly qualified and acting Township Clerk for Volinia Township, Cass County, Michigan, DO HEREBY CERTIFY that the foregoing is a true and complete copy of certain proceedings taken by the township board of said township at a regular meeting held on the twelfth day of June, 2000.

Beth Lehigh
Beth Lehigh, Township Clerk

MILTON TOWNSHIP

2576 E. Bertrand Road
Niles, MI 49120

Phone: (616) 684-7262
Or 663-6775

Fax: (616) 684-1742
Or 663-2296

May 15, 2000
Resolution 2000-17

A motion was offered by Richard Gerbeth and seconded by Larry Neumann to support the following Resolution of the Cass County Solid Waste Management Plan Update Draft dated April, 1999.

WHEREAS, the generation, proper management and disposal of solid waste is vitally important to the quality of life enjoyed by the citizens of Cass County and for the protection of our natural resources; and

WHEREAS, Michigan Public Act 641 of 1978 requires each county to have a current plan which incorporates short term and long range solutions for the management of solid waste; and

WHEREAS, the 1999 plan has been developed, reviewed and endorsed by the Solid Waste Management Planning Committee of Cass County; and

WHEREAS, the Cass County Board of Commissioners, the designated solid waste planning agency for Cass County, has approved the current plan; and

WHEREAS, each local unit of government in Cass County is being requested to review the plan and take action on it.

NOW, THEREFORE, BE IT RESOLVED that the Milton Township Board does hereby approve the 1999 Cass County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to the Solid Waste Management Planning Committee of Cass County and other appropriate agencies to document support and endorsement of the 1999 Solid Waste Management Plan.

All Milton Township Board Members vote yes.

Richard Gerbeth
Milton Township Clerk

* Dean Brase, Supervisor * Larry Neumann, Treasurer * Richard Gerbeth, Clerk *
* Jim Rokisky, Trustee * Mike Andrews, Trustee *