



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

June 5, 2015

Mr. Ernie Krygier, Chairperson
Bay County Board of Commissioners
515 Center Avenue, Suite 405
Bay City, Michigan 48708-5125

Dear Mr. Krygier:

The locally approved amendment to the Bay County Solid Waste Management Plan (Plan Amendment) received by the Department of Environmental Quality (DEQ) on April 7, 2015, is hereby approved.

The Plan Amendment makes the following changes:

Adds language that specifically states: "All disposal areas besides Transfer Facilities are deemed inconsistent with the Plan."

Adds a siting review procedure for Transfer Facilities found on page III-30 which includes the following:

1. The proposed facility must be located on a Class A, All-Season Road, with the Facility access directly from the Class A All-Season Roadway.
2. The facility must meet all applicable state and local laws, zoning and ordinances in effect at the time of application.

The DEQ would like to thank Bay 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 517-284-6591; oyerr@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Bryce Feighner, P.E., Chief
Office of Waste Management and
Radiological Protection
517-284-6551

cc: Senator Mike Green
Representative Charles Brunner
Representative Vanessa Guerra
Mr. Tom Hickner, Bay County Executive
Ms. Laura Ogar, Bay County Environmental Affairs & Community Development
Mr. Dan Wyant, Director, DEQ
Mr. Jim Sygo, Deputy Director, DEQ
Ms. Maggie Pallone, Legislative Affairs, DEQ
Mr. Phil Roycraft, DEQ
Ms. Rhonda S. Oyer, DEQ
Mr. Steve Sliver/Ms. Christina Miller, DEQ\Bay County File

SITING OF WASTE DISPOSAL AREAS NOT APPLICABLE -- ADEQUATE SPACE FOR
ESTIMATED WASTE GENERATION IS CERTIFIED IN THIS PLAN

See Page III-7, the facility description of Whitefeather Landfill. This landfill has 4,175,153 yards of capacity or 18.8 years of capacity alone. Bay County requires 120,968 tons of disposal capacity, or roughly 352,904 cubic yards per year. This is 11.5 years, assuming that all Bay County Waste is disposed of in this landfill. The County has access to at least 5 other landfills, totaling 24,543,741 cubic yards of capacity or an additional 203 years of capacity.

SITING REVIEW PROCEDURES, Authorized Disposal Area Types

All disposal areas besides Transfer Facilities are deemed inconsistent with the Plan.

SITING REVIEW PROCEDURES, Siting Criteria and Process

Siting for Criteria for Transfer Facilities:

1. The proposed facility must be located on a Class A, All-Season Road, with the Facility access directly from the Class A All-Season Roadway; if an additional access approach is proposed for the location, the entire access route to the facility must be upgraded and approved to meet Bay County Road Commission and/or MDOT standards for Class A, All-Season Road by the Facility Owner/Developer expense, prior to any waste being received at the facility.
2. The Facility must meet all applicable state and local laws, zoning and ordinances in effect at the time of application.

-21-



JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



RUSSELL J. HARDING
DIRECTOR

December 5, 2002

Mr. Michael F. Halstead, Chairman
Bay County Board of Commissioners
515 Center Avenue
Bay City, Michigan 48708-5994

Dear Mr. Halstead:

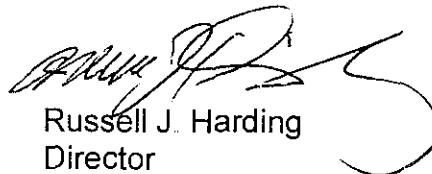
The Department of Environmental Quality (DEQ) received the locally approved amendment to the Bay County Solid Waste Management Plan (Plan Amendment) on September 19, 2002.

This Plan Amendment adds Shiawassee County to the list of counties authorized for import and export in the Bay County Solid Waste Management Plan

By this letter, this Plan Amendment is hereby approved. The DEQ has determined that this Plan Amendment 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. Additionally, the DEQ would like to thank Bay County (County) for its efforts in addressing the County solid waste management issues.

If you have any questions, please contact Ms. Rhonda Oyer Zimmerman, Chief, Solid Waste Management Unit, Storage Tank and Solid Waste Section, Waste and Hazardous Materials Division, at 517-373-4750.

Sincerely,



Russell J. Harding
Director
517-373-7917

Mr. Michael F. Halstead

Page 2

December 5, 2002

cc: Senator Joel D. Gougeon
Representative A.T. Frank
Representative Joseph L. Rivet
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Mr. Thomas M. Hickson, Legislative Liaison, DEQ
Mr. George W. Bruchmann, DEQ
Mr. Dennis A. Armbruster, DEQ
Mr. Lonnie C. Lee, DEQ
Mr. Terry Walkington, DEQ
Ms. Rhonda Oyer Zimmerman, DEQ
Ms. Lynn Dumroese, DEQ
Bay County File

FACSIMILE SHEET

DATE: September 19, 2002
TO: Lynn Dumroese - DEQ Solid Waste, Lansing
FAX#: (517) 373-4797
FROM: Bay County Environmental Affairs & Community Development
RE: Local Approval of Solid Waste Management Plan Amendment - Bay County
Solid Waste Management Plan - Addition of Shiawassee County

Number of Pages Including Cover Sheet: 3

09/19/02

Lynn,

Attached are the resolutions for the townships of Gibson and Mt. Forest for Bay County. I sent the rest of them to you yesterday. Please contact me at (989) 895-4135 to let me know that you have received the mailer as well as this fax.

Thanks for your cooperation in this matter.

Cyndi

Upon review of this information, or should you have problems with the receipt of this facsimile, please do not hesitate to contact Cyndi at (989) 895-4135.

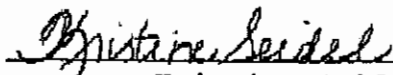
RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and
THEREFORE, Be It RESOLVED that the

GIBSON TOWNSHIP hereby authorizes amendment to
the Bay County Solid Waste Management Plan to include **Shiawassee County** on
the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the
amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any
documentation required for this amendment to the Bay County Solid Waste
Management Plan.


Signature Kristine Seidel/Clerk

09.09.2002
Date

RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,

WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, currently this industrial waste is not disposed of in Michigan;

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the

MT. FOREST Township hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Michael D. Lohrey
Signature

10-9-2002
Date

**Bay County Department of
Environmental Affairs & Community Development**

LAURA OGAR, Director
ogarl@baycounty.net

Tele: (989) 895-4135
Fax: (989) 895-4068
TDD: (989) 895-4049



THOMAS L. HICKNER
County Executive

Geographic Information Systems
Gypsy Moth Suppression Program
Housing Rehabilitation
Mosquito Control
Soil Erosion & Sedimentation Control
Transportation Planning

September 18, 2002

SEP 19 2002

Ms. Lynn Dumroece
DEQ Solid Waste Management Division
525 West Allegan
P.O. Box 30241
Lansing, Michigan 48909

Waste and Hazardous
Materials Division

**RE: Notice of 70% Local Approval of Solid Waste Management Plan Amendment
Bay County Solid Waste Management Plan - Addition of Shiawassee County**

Dear Ms. Dumroece:

Enclosed you will find copies of resolutions from the townships and cities within Bay County again approving the Solid Waste Management Plan Amendment to include Shiawassee County. You will note that as over 70% of the local units approved this resolution, our community has fulfilled your request and no further action by us is needed. We expect that the approved, authorized and adopted amendment will now be approved by your agency as soon as possible. Please send us notification to this effect when it becomes available.

Thank you,

Laura Ogar, Director
Environmental Affairs and Community Development
LO:cg

cc: Tom Hickner, County Executive
Jennifer Bigelow, GM
Mike Halstead, Board Chairman
Dick Byrne, Commissioner

Enclosures

RESOLUTION #02-025

EXCERPTS OF MINUTES OF a regular meeting of the Township Board of the Charter Township of Bangor, County of Bay, State of Michigan, held at the Administration Building of the Charter Township of Bangor on September 10, 2002, at 7:00 p.m.

PRESENT: Howard, Eagle, Santos, Mayes, Leitermann, Stasik and Beson

ABSENT: None

The following preamble and resolution was offered by Member Trustee Howard and supported by Member Trustee Beson.

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan; and

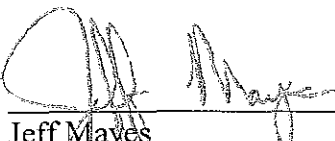
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, currently this industrial waste is not disposed of in Michigan; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the Charter Township of Bangor hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include Shiawassee County on the list of Authorized Counties for Import/Export; **Be It Further RESOLVED** That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; **And Be It Finally RESOLVED** That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

RESOLUTION DECLARED ADOPTED



Jeff Mayes
Bangor Township Supervisor

9-16-02

Date





RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and


THEREFORE, Be It RESOLVED that the

FRASER TOWNSHIP BOARD

_____ hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

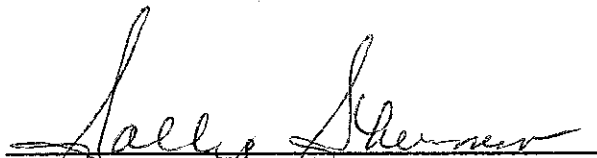
RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.



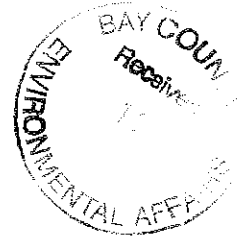
Signature *Richard Gromoski*
Supervisor

9-9-02

Date



Sally Sherman, Clerk
Fraser Township
1474 N. Mackinaw Rd.
Linwood, MI 48634



RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the

Garfield Township hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

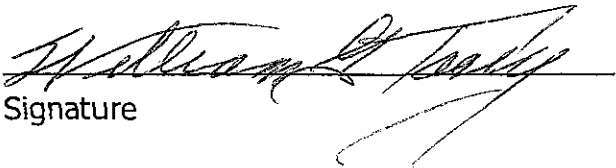
James A. Dubay
Signature

September 9, 2002
Date

RESOLUTION

- WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
- WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
- WHEREAS, currently this industrial waste is not disposed of in Michigan;
- WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and
- THEREFORE, Be It RESOLVED that the
Charter Township of Hampton Board of Trustees hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further
- RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally
- RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Signature



Date

09/05/02

RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and
THEREFORE, Be It RESOLVED that the

~~Kawkawlin Township Board of Trustees~~ hereby authorizes amendment to the Bay County Solid Waste Management Plan to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Michael Arnold, CLERK

Signature

Sept 11, 2002

Date

Roy DeLoe, Supervisor



RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and
THEREFORE, Be It RESOLVED that the

Merritt Township hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Ben DuRussel
Signature Ben DuRussel, Supervisor

9-10-02
Date

RESOLUTION

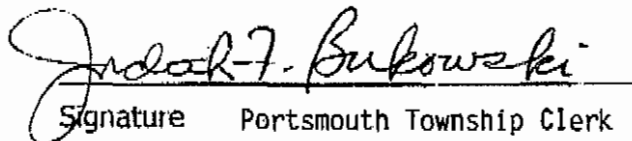
WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the

CHARTER TOWNSHIP OF PORTSMOUTH hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

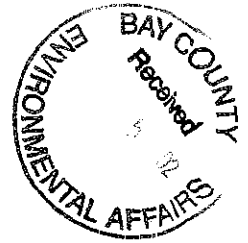
RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.


Signature Portsmouth Township Clerk

9/16/02
Date

I, Judy F. Bukowski, Charter Township of Portsmouth Clerk, do hereby certify that the foregoing is a true and original copy of a resolution adopted by the Charter Township of Portsmouth Board of Trustees at their regular meeting held on the 16th day of September, 2002.



RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the

Williams Township Board of Trustees hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Amy Charney
Signature

August 27, 2002
Date

RESOLUTION

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,
WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and
WHEREAS, currently this industrial waste is not disposed of in Michigan;
WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and
THEREFORE, Be It RESOLVED that the

City of Auburn hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Township Supervisor/City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

Leanne Wessinger
Signature

9-3-02
Date



CP September 9, 2002

Of Commission as a Whole:

Whereas, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan; and

Whereas, General Motors Powertrain's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant cost savings to General Motors Powertrain in the amount of \$216,000 annually; and

Whereas, currently this industrial waste is not disposed of in Michigan; and

Whereas, no financial loss will be realized by the landfill located in Bay County, since General Motors Powertrain does not currently dispose of this industrial waste at that location;

Now Therefore Be It Resolved that the City of Bay City hereby rescinds the Solid Waste Management Plan amendment adopted November 19, 2001;

Be It Further Resolved that the City of Bay City hereby authorizes this amendment to the Bay County Solid Waste Management Plan to include Shiawassee County on the list of authorized counties for import/export;

Be It Further Resolved that General Motors Powertrain will pay all costs associated with the amendment to the Solid Waste Management Plan;

Be It Further Resolved that the Mayor is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.



CITY OF ESSEXVILLE

1107 Woodside Avenue
Essexville, MI 48732

Dale J. Majerczyk
City Manager
989-893-0772

Lois Englehardt
City Clerk
989-893-7192

Fran DeWyse
City Treasurer
989-893-2441

Art Kalnins
Dir. of Public Works
989-894-0553

Tim Weller
Dir. of Public Safety
989-892-2541

Fax: 989-892-3452

www.essexville.org

RESOLUTION

Connelly, Hydorn:

**RESOLUTION TO APPROVE AMENDMENT TO
BAY COUNTY SOLID WASTE MANAGEMENT PLAN**

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan; and

WHEREAS, General Motor's request is mad in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant cost savings to General Motors in the amount of \$216,000 annually; and

WHEREAS, presently this industrial waste is not disposed of in Michigan; and

WHEREAS, no financial loss will be realized by the landfill located in Bay County since General Motors does not presently dispose of this industrial waste at that location; and

NOW THEREFORE, Be it resolved that the City Council of the City of Essexville, Michigan hereby authorizes an amendment to the Bay County Solid Waste Management Plan to include Shiawassee County on the list of Authorized Counties for Import/Export; and be it further

RESOLVED, that General Motors Powertrain will pay all costs associated with the amendment to the Bay County Solid Waste Management Plan; and be it finally

RESOLVED, that the City of Essexville authorizes its City Manager to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

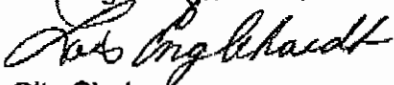
YES: Unanimous

Motion Carried

CLERK'S CERTIFICATION

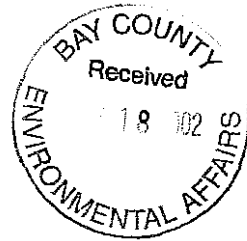
STATE OF MICHIGAN)
COUNTY OF BAY)

I hereby certify that the foregoing is a true and complete copy of a resolution duly adopted by the City Council of the City of Essexville, Bay County, Michigan at a scheduled meeting duly called and held on September 10, 2002, the original of which is in my office. Notice of said meeting was given in accordance with the Open Meetings Act.


City Clerk
City of Essexville

CITY OF
PINCONNING

MICHIGAN

208 Manitou Street, P.O. Box 628, Pinconning, MI 49650
(517) 879-2360 FAX (517) 879-4958

September 18, 2002

Ms. Laura Ogar, Director
Bay County Department of Environmental
Affairs & Community Development
515 Center Avenue, 5th Floor
Bay City, MI 48708

Dear Ms. Ogar:

Please be advised that at the Formal City Council Meeting of the Pinconning City Council held on September 16, 2002 at 6:00 P.M. in the Pinconning City Hall, 208 Manitou Street at which a quorum was present, the following action was taken:

Dennison/Gromaski: Move to adopt Bay County Solid Waste Management Plan Amendment as presented;

WHEREAS, General Motors Powertrain has requested an amendment to add Shiawassee County to the Bay County Solid Waste Management Plan,

WHEREAS, GM's request is made in accordance with their corporate waste management plan for their industrial waste disposal and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, currently this industrial waste is not disposed of in Michigan;

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

THEREFORE, Be It RESOLVED that the

PINCONNING CITY COUNCIL hereby authorized **amendment to the Bay County Solid Waste Management Plan** to include **Shiawassee County** on the list of Authorized Counties for Import/Export; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally
RESOLVED That the City Manager is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

AYES: 7
NAYS: 0
ABSENT: 0

Resolution Declared Adopted.

I, Terri Hribek, City Clerk of the City of Pinconning, certify that the above is a true and complete copy of a motion adopted by the Pinconning City Council on September 16, 2002.

Sincerely,

CITY OF PINCONNING



Terri Hribek,
City Clerk



JOHN ENGLER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



RUSSELL J. HARDING
DIRECTOR

July 10, 2002

Ms. Laura Ogar
Bay County Director of
Environmental Affairs and Community Development
515 Center Avenue
Bay City, Michigan 48708-5994

Dear Ms. Ogar:

Documentation for an amendment to the Bay County Solid Waste Management Plan (Plan Amendment) was received by the Department of Environmental Quality (DEQ) on April 8, 2002.

Based on the information submitted and after further discussions with management staff of the Waste Management Division (WMD), the DEQ has determined that the Plan Amendment was not prepared in accordance with Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 115 Administrative Rules. Specifically, the 67 percent local municipality approval was received prior to the public comment period and public hearing. It is the DEQ's determination that the Plan Amendment must receive at least 67 percent local municipality approval after the public comment period and public hearing have been completed. By this letter, the DEQ is providing the County with the opportunity to withdraw the proposed Plan Amendment. If the County does not choose to withdraw the Plan Amendment before August 5, 2002, the WMD staff will recommend the Director disapprove the Plan Amendment as submitted.

During your June 21, 2002 conversation with Ms. Lynn Dumroese, DEQ, WMD, you asked for specific statutory references to support the DEQ's decision. The DEQ has made this determination based on the following requirements of Part 115. Section 11533(2) of Part 115 states an amendment to a Plan shall be prepared and approved as provided in section 11533, 11534, 11535, 11536, 11537, and 11537a. Section 11534 discusses the requirement for appointing a Planning Committee to prepare a County Solid Waste Management Plan (Plan) and states the members of the Planning Committee shall be appointed every two years. The documentation provided for the Plan Amendment indicates the members of the Planning Committee were contacted for their input and none objected to the proposed Plan Amendment; therefore, the County proceeded with the Plan Amendment. Section 11535 then describes the requirement of the proposed Plan to be made available for a period of not less than three months to the DEQ, to each municipality within the affected county, and to adjacent counties and municipalities that may be affected by the Plan or that have requested the opportunity to review the Plan. Section 11535 further states the comments received during the comment period shall then be submitted to the County Board of Commissioners (BOC) and a public hearing shall be conducted before formal adoption. Following the sequential order of events, Section 11536(2) describes the next step in the approval process, which states the BOC shall formally act on the plan following the public hearing. Section 11536(4) then requires the Plan to be approved by the governing bodies of not less than 67 percent of the municipalities.

The Part 115 Administrative Rules further support the DEQ's determination. Rule 709(4) reaffirms an Amendment of the Plan shall follow the same procedures for review and adoption as the original Plan and the updates. Rule 707 discusses the first steps of the approval

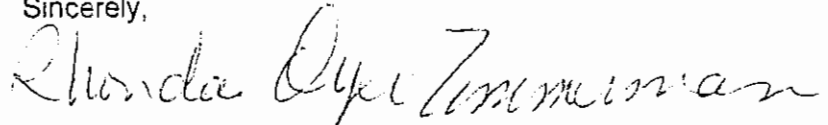
process, which include having the proposed Plan made available for a review period of not less than three months and the requirement to have a public hearing conducted before formal adoption by the County, the municipalities, or the state. Rule 707 then states after the public hearing, the Designated Planning Agency shall make any revisions to the Plan, in response to the public comment period and shall submit the Plan to the Planning Committee. As previously mentioned, the County took responsibility for preparing the Plan Amendment and therefore, took responsibility for making any revisions to the Plan Amendment in response to the public comment period. Rule 707 also clarifies that formal action by the BOC must come after the public comment period. It appears the BOC did not make any changes to the Plan Amendment and took formal action to approve the Plan Amendment on March 12, 2002. Rule 708 describes the last step in the approval process, which includes the requirement of the Plan to be approved by no less than 67 percent of the municipalities in the County before being submitted to the Director for approval.

The DEQ has consistently applied this approval process for previous amendments to County Solid Waste Management Plans. Further, the DEQ believes Part 115 and the Part 115 Administrative Rules clearly indicate that the 67 percent local municipality approval must occur after formal action by the BOC and the BOC cannot formally act on the Plan Amendment until the public comment period and public hearing have been completed.

As previously mentioned, the DEQ has determined that the Plan Amendment was not prepared in accordance with Part 115 and the Part 115 Administrative Rules. The County must now have the local municipalities act on the Plan Amendment and receive at least 67 percent municipality approval. As previously mentioned, if the County does not withdraw the Plan Amendment before August 5, 2002, the WMD staff will recommend the Director disapprove the Plan Amendment as submitted.

If you have any questions, please contact me at the number below or at oyerr@michigan.gov

Sincerely,



Rhonda Oyer Zimmerman, Chief
Solid Waste Management Unit
Waste Management Division
517-373-4750

cc: Mr. Michael F. Halstead, Chairperson of the Bay County Board of Commissioners
Ms. Cynthia E. Winland, Crescent Consulting
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Mr. Edwin Haapala, DEQ – Saginaw Bay
✓ Ms. Lynn Dumroese, DEQ
Bay County File

APR 08 2002

crescent
consulting

April 5, 2002

Ms. Lynn Dumroese
Michigan Department of Environmental Quality
Waste Management Division
P.O. Box 30241
Lansing, MI 48909

Re: Bay County Solid Waste Management Plan Amendment

Ms Dumroese:

On behalf of the Bay County Board of Commissioners and the Environmental Affairs Department, I am forwarding to you the required documentation to amend the Bay County Solid Waste Plan. Included in this packet are

po box 1184
midland mi 48641
989 839 2031
fax 989 839 4995

1. A resolution to amend the Plan from the Bay County Board of Commissioners
2. A transcript of the public hearing held on 2/1//02 to receive comments on the amendment. The public comment period began on 12/1/01 and ended on 3/1/02.
3. Resolutions of support for the amendment from over 2/3 of the municipalities in the County (15) and one resolution of denial. One resolution of denial is not included in the packet.
4. Copies of the amended pages in the Solid Waste Plan

We look forward the Michigan Department of Environmental Quality's approval of the amended Plan. Please contact Cindy Winland, Solid Waste Consultant at 989-839-2031 or Laura Ogar, Bay County Director of Environmental Affairs and Community Development at 989-895-4196 to answer any questions or provide additional information regarding this amendment should you need any.

Thanks very much,

Cynthia E. Winland, AICP, PCP

enc

cc Laura Ogar Environmental Affairs Director, Bay County

.....



crescent
consulting

Crescent Consulting, Inc.
P.O. Box 1184
Midland, MI 48641

(989)839-2031 phone
(989)839-4995 fax

facsimile transmittal

To: **Lynne Dumroese** Fax: 517-373-4797

From: Cindy Winland • Date: 7/9/02 • • •

Re: **PUBLIC COMMENT PERIOD NOTICE** Pages: 3 including the cover sheet

CC:

☐ Urgent ☒ For Review ☒ Please Comment ☐ Please Reply ☐ FYI Only

Lynn, I don't know if you still need this or require the affidavit.

Thanks very much,

Cindy Winland

THE BAY CITY TIMES

311 Fifth Street Bay City, Michigan 48708

Phone (989) 895-8551

Fax (989) 895-5910

TO: Cindy

FROM: Gloria

DATE: 2/8

TIME: 11:52

PAGES: 1

Cover Page Not Included

COMMENTS:

If you have any problems receiving this telecopy
please contact the sender at (989) 892-7735



crescent
consulting

Crescent Consulting, Inc.
P.O. Box 1184
Midland, MI 48641
(989)839-2031 phone
(989)839-4995 fax

facsimile transmittal

To: **Lynne Dumroese, DEQ**

Fax: 527-373-4797

From: Cindy Winland

Date: 4/9/02

Re: Bay County Solid Waste Plan

Pages: 2 including the cover sheet

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

Thanks, Cindy

NO. 2001-265

RESOLUTION

10/9/01

BY: PLANNING COMMITTEE (9/25/01)

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; Therefore, Be It

RESOLVED That the Bay County Board of Commissioners hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to allow importation and exportation of waste with **Shiawassee County**; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Chairman of the Board is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

WILLIAM A. REDER, CHAIRMAN

PLANNING COMMITTEE

SOLIDWASTEPLANAMENDGM.

BAY COUNTY BOARD OF COMMISSIONERS 10/9/01 MEETING

RESOLUTION NO. 2001-265

MOTION NO. _____

MOVED BY COMM. Reder

SUPPORTED BY COMM. Brissette

VOTE:

ROLL CALL: ✓ YEAS 8 NAYS 0 EXCUSED 1-Poirier

VOICE: YEAS _____ NAYS _____ EXCUSED _____

DISPOSITION: ADOPTED ✓ DEFEATED _____ WITHDRAWN _____
AMENDED _____ CORRECTED _____ REFERRED _____

CITY OF AUBURN
RESOLUTION
12-03-01



WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; Therefore, Be It

RESOLVED That the City of Auburn hereby authorizes amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Chairman of the Board is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

The foregoing resolution offered by Commissioner James Dominowski

Second offered by Commissioner Paul Popa

Upon roll call vote the following voted "aye" ~~James Dominowski, Richard Fletcher~~
Cynthia Light, Ann Machelski, Paul Popa, John McNally, Brian Raab

"nay" None

The Mayor declared the resolution adopted.

Clerk Lucille Wiesenauer

Resolution #2001-12-03

Resolution No. 10-01-114-B/G/S
Resolution To Amend The Bay County
Solid Waste Management Plan
Charter Township of Williams

EXCERPTS OF MINUTES OF a regular meeting of the Township Board of the Charter Township of Williams, County of Bay, State of Michigan, held in the Township Hall in said Township on the 30th day of October 2001, at 6:00 o'clock p.m., prevailing eastern time.

PRESENT: Paige, Hoverman, Charney, Schmidt, Plant, Wasek and Gower.

ABSENT: None

The following preamble and resolution was offered by member Paige and seconded by member Hoverman:

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; and

WHEREAS, the Charter Township of Williams approves the addition of Shiawassee County to the counties currently listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, That the Township Board of the Charter Township of Williams does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

AYES: Paige, Hoverman, Charney, Schmidt, Plant, Wasek and Gower.

NAYS: None.

RESOLUTION DECLARED ADOPTED.

Amy Charney
Amy Charney, Clerk

I hereby certify that the foregoing is a true and complete copy of a resolution by the Township Board of the Charter Township of Williams, County of Bay, State of Michigan, at a regular meeting held on the 30th day of October 2001, and that public notice of said meeting was given pursuant to Act No. 267 Public Acts of Michigan, 1976, as amended, including in the case of a special or rescheduled meeting notice by publication or posting at least 18 hours prior to the time set for the meeting.

Amy Charney
Amy Charney, Clerk

CITY OF BAY CITY, MICHIGAN
OFFICE OF CITY CLERK
(AFFIDAVIT)

STATE OF MICHIGAN)

COUNTY OF BAY)

CITY OF BAY CITY)

I, Dana L. Muscott, Clerk of the City of
Bay City, County and State aforesaid, Do hereby Certify that I have compared the
annexed excerpt from the regular meeting of the Bay City City Commission
held on November 19, 2001,
with the original on file in my office and that it is a true and
correct transcript thereof and of the whole of such original.

In Witness Whereof, I have hereunto set my hand and affixed the

Corporate Seal of the City of Bay City, Michigan, this

28th day of November, 2001

Dana L. Muscott

Dana L. Muscott, City Clerk

Commission as a Whole:

Whereas, representatives of General Motors Powertrain -- Bay City manufacturer have requested that the Bay County Board of Commissioners authorize the amendment of the current Bay County Solid Waste Management Plan in a manner allowing for the importation and exportation of solid wastes with Shiawassee County; and
Whereas, General Motors plant representatives have requested such amendment in order to reduce the overall environmental liability associated with the Bay City plant, while also achieving an overall cost reduction of approximately \$216,000 annually for waste disposal, since in the absence of the Shiawassee County Landfill, the plant is accessible under the terms of the Bay County Solid Waste Management Plan, General Motors has instead been forced to dispose of all of its wastes to the next-closest, state, corporately-acceptable landfill in Northwood, Ohio; and
Whereas, by unanimous resolution of the Bay County Board of Commissioners on October 9, 2001, formal authorization was granted to amend the Bay County Solid Waste Management Plan allowing for General Motors exportation of solid waste to Shiawassee County Landfill, provided that General Motors pays all costs associated with the amendment of the plan;

Whereas, now, according to State law, the Bay County Solid Waste Management Plan can be formally amended following approval, by resolution, of the governing Boards of not less than two-thirds of the municipal jurisdictions within Bay County, of which the City of Bay City represents not only the most prominent and populous such jurisdiction, but also the home of the Bay City General Motors Powertrain Plant seeking the amendment; and

Whereas, it is clearly in the best interests of both the City of Bay City and the Bay City General Motors Powertrain Plant to act in such a manner as to heighten the competitiveness of the Powertrain facility;

Now Therefore Be It Resolved that the City of Bay City, by the affirmative action of its City Commission, does hereby authorize and approve, in its capacity as a municipal corporate jurisdiction within Bay County, the amendment of the now-effective Bay County Solid Waste Management Plan in such a manner as to allow for the importation and exportation of Solid Wastes

Be It Further Resolved that the City Clerk be authorized and directed to forward a certified copy of this resolution to the attention of the Clerk of Bay County indicating the Commission's affirmative action on this matter.

Commissioner Legner moved to allow public input. There was no objection. No one came forward.

Commissioner Hennessy moved adoption of resolution.

Adopted by the following vote:

Yes, Commissioners Hennessy, Hintz, Legner, Bleau, Gomey, Katt, Buda, Brunner, 9.

No None.



CITY OF ESSEXVILLE

1107 Woodside Avenue
Essexville, MI 48732

Dale J. Majerczyk
City Manager
989-893-0772

Lois Englehardt
City Clerk
989-893-7192

Fran DeWyse
City Treasurer
989-893-2441

Art Kalnins
Dir of Public Works
989-894-0553

Tim Weiler
Dir of Public Safety
989-892-2541

Fax: 989-892-3452

www.essexville.org

RESOLUTION



Hydrom, Link:

WHEREAS Part 115 of Michigan's Solid Waste Management Act authorizes Bay County to periodically amend or update its Solid Waste Management Plan ("Plan"); and

WHEREAS Bay County has adopted such a Plan and recently adopted an amendment to such Plan and has requested that the City of Essexville approve such amendment; and

WHEREAS Part 115 requires two-thirds of the local units of government within the County to approve any Plan or plan amendment;

THEREFORE BE IT RESOLVED that the City of Essexville approves the Plan Amendment as approved by the Bay County Board of Commissioners on October 9, 2001; and

BE IT FURTHER RESOLVED that the City Clerk of the City of Essexville is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

YES: Unanimous

Motion Carried.

CLERK'S CERTIFICATION

STATE OF MICHIGAN)
COUNTY OF BAY)

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Essexville, Bay County, Michigan at a scheduled meeting duly called and held on the 19th day of November 2001, the original of which is in my office. Notice of said meeting was given in accordance with the Open Meetings Act.

Lois Englehardt
City Clerk
City of Essexville

2001 NOV 21 10:00 AM
BAY COUNTY CLERK'S OFFICE



RESOLUTION #011113-A

Amendment to the Bay County Solid Waste Management Plan

Minutes of a regular meeting of the Township Board of the Charter Township of Bangor, County of Bay, State of Michigan, held in the Administration Building of the Charter Township of Bangor on November 13, 2001, at 7:00 p.m.

PRESENT: Beson, Eagle, Leitermann, Mayes, Stasik

ABSENT: Howard (pre-excused), Santos (pre-excused)

The Following Resolution Was Offered By:

Member Stasik and seconded by Member Eagle.

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location;

THEREFORE, BE IT RESOLVED that the Bangor Township Board hereby authorizes an amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County;

BE IT FURTHER RESOLVED that General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; and

THEREFORE, BE IT RESOLVED that the Township Supervisor is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

AYES: Eagle, Mayes, Stasik, Beson, Leitemann

NAYS: None


ABSENT: Howard (pre-excused), Santos (pre-excused)

RESOLUTION DECLARED ADOPTED



Jeff Mayes

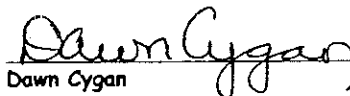
Bangor Township Supervisor



Dawn Cygan

Bangor Township Deputy Clerk

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Charter Township of Bangor at a regular meeting held on November 13, 2001, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.



Dawn Cygan

Bangor Township Deputy Clerk

BEAVER TOWNSHIP



BAY COUNTY, MICHIGAN



November 20, 2001

Mr. William Tacey
Hampton Township Supervisor
801 W. Center Avenue
Essexville, MI 48732

Dear Mr. Tacey,

On November 15, 2001. The Beaver Township Board passed a resolution not to adopt an amendment to the Solid Waste Management Plan.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script, reading "Richard M. Charbeneau".

Richard M. Charbeneau
Beaver Township Clerk

cc: Laura Ogar

RESOLUTION 2007-010

Resolution To Amend The Bay County
Solid Waste Management Plan

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the ~~Shiawassee County to the counties listed in the plan; and~~ approves the addition of

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of Frankentust does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

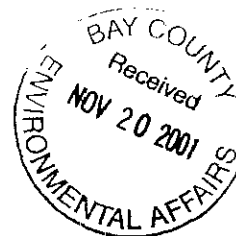
So be it Resolved this 13 day of NOVEMBER, 2001.

Approved Hilda Dyab
Supervisor

Attested Alvin H. H. H.
Clerk

FRASER TOWNSHIP1474 N. MACKINAW ROAD
LINWOOD, MICHIGAN 48634

11-83-2001

RESOLUTION OF APPROVALAt the regular meeting of the FRASER TOWNSHIP BOARDheld on 11-12-2001, the FRASER TOWNSHIP BOARD

took the following action:

Motion made by SHERMAN supported by SLANCIK

TO AMEND THE SOLID WASTE MANAGEMENT PLAN AS STATED IN RESOLUTION, ATTACHED.

Roll Call Vote:

Ayes: 5Nays: 0Absent: 0Excused: 0

Motion Carried

State of Michigan) SS
County of)**Clerk's Certification**

I hereby certify that the foregoing is a true and complete copy of a resolution offered and adopted by the

FRASER TOWNSHIPat a REGULAR

(Regular or Special)

meeting held on the 12th, NOV. 2001

(Date)

(Signed)

(Township, City, or Village Board)

Sally Sherman, CLERK
Fraser Township
1474 N. Mackinaw Rd.
Linwood, MI 48634

(Address of Township, City or Village Board)

SEAL

RESOLUTION

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location; Therefore, Be It

RESOLVED That the Fraser Township Board hereby authorizes amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County; Be It Further

RESOLVED That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; And Be It Finally

RESOLVED That the Supervisor of the Board is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan.

RESOLUTION _____

Resolution To Amend The Bay County
Solid Waste Management Plan

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the Garfield Township Board approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of Garfield does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

So be it Resolved this 10th day of December, 2001.

Approved _____
Supervisor

Attested Thomas Arfey
Clerk

RESOLUTION #111.01

Resolution To Amend The Bay County
Solid Waste Management Plan



WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the Township of Gibson approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of Gibson
Bay County does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

So be it Resolved this 12th day of November, 2001.

Approved

Jerry Barbret
Supervisor Jerry Barbret

Attested

Kristine Seidel
Clerk Kristine Seidel

RESOLUTION _____

Resolution To Amend The Bay County
Solid Waste Management Plan

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the Charter Township of Hampton Board of Trustees approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of the Charter Township of Hampton does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

So be it Resolved this 9th day of November, 2001.

Approved

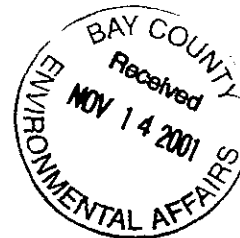
William H. Tacey
Supervisor

Attested

Samuel J. Wright
Clerk

RESOLUTION 201-009

Resolution To Amend The Bay County
Solid Waste Management Plan



WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, ~~the~~ RAWKALIN TOWNSHIP approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of RAWKALIN TOWNSHIP does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

So be it Resolved this 12 day of NOVEMBER, 2001.

Approved

Roy DeLoe
Supervisor

Attested

Michael Arnold
Clerk



RESOLUTION # 2001-12

**Resolution to Add Shiawassee County to the
Bay County Solid Waste Management Plan**

Minutes of a regular meeting of the Merritt Township Board, County of Bay, State of Michigan, held in the Township Offices, 48 East Munger Road, Munger on November 13, 2001 at 7:30 p.m.

PRESENT: Don Meyer, Tom Lynch, Lori Schabel, Kathy Bremer

ABSENT: Ben DuRussel

The Following Resolution Was Offered By:

Member Bremer and seconded by Member Lynch

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant costs savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this industrial waste at that location;

NOW THEREFORE BE IT RESOLVED AS FOLLOWS:

(1) That the Merritt Township Board hereby authorizes **amendment to the Bay County Solid Waste Management Plan** to allow importation and exportation of waste with **Shiawassee County**;

(2) That General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan

(3) The Merritt Township Clerk is authorized to mail this resolution required for this amendment to :

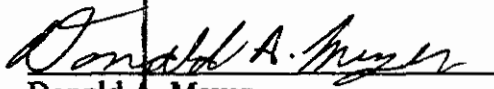
Laura Ogar
Bay County Dept. of Environmental Affairs & Community
Development
Bay County Building, 5th Floor
515 Center, Avenue, Bay City, MI 48708

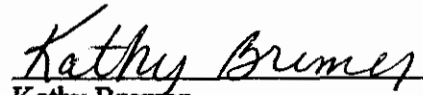
Continued Resolution 2001-12

AYES: Meyer, Lynch, Schabel, Bremer

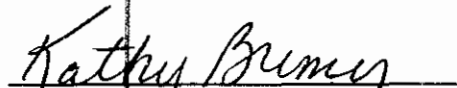
NAYS: None

RESOLUTION DECLARED ADOPTED.


Donald A. Meyer
Merritt Township Supervisor


Kathy Bremer
Merritt Township Clerk

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by Merritt Township at a regular meeting held on November 13, 2001, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.


Kathy Bremer
Merritt Township Clerk

Resolution 2001-12 Add Shiawassee County to Bay Co Solid Waste Mgmt Plan

**CHARTER TOWNSHIP OF MONITOR
BAY COUNTY, MICHIGAN**

**RESOLUTION TO AMEND THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the Charter Township of Monitor approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW THEREFORE, BE IT RESOLVED, that the Township Board of Monitor Township does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

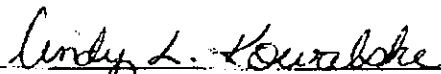
YES: Neumeyer, Kramer, Sinke

NO: Gray, Kowalski, Behmlander, Kochany

ABSENT: None

RESOLUTION DECLARED DEFEATED

The above Resolution was duly defeated by the Monitor Township Board at a regular meeting of the Board held on the 26th day of November 2001, at the Monitor Township Hall, Bay County, Michigan.


CINDY L. KOWALSKI
Monitor Township Clerk



RESOLUTION _____

Resolution To Amend The Bay County
Solid Waste Management Plan

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, the Mount Forest Township Board approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED, that the Township Board of Mount Forest does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

So be it Resolved this 13th day of November, 2001.

Approved

Michael D. Schiray
Supervisor

Attested

Penny Schwerin
Clerk

Charter Township of Portsmouth

1711 W. Cass Avenue
Bay City, Michigan 48708

R E S O L U T I O N

Resolution to Amend The Bay County
Solid Waste Management Plan

At a regular meeting of the Charter Township of Portsmouth Board of Trustees held on Monday, December 17, 2001, in the conference room at 1711 W. Cass Ave. Rd., Bay City, Michigan, Bay County at 6:00 p.m. a motion was made by Treasurer Brandt and supported by Trustee VanDriessche that the following amendment be approved:

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six (6) landfills in the nation to accept GM's industrial waste; and

WHEREAS, GM's request is made in accordance with their corporate waste management plan and will result in a significant cost savings to GM in the amount of \$216,000 annually; and

WHEREAS, Any costs associated with amending the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, No financial loss will be realized by the landfill located in Bay County since GM does not currently dispose of this waste at the location; and

WHEREAS, The Portsmouth Township Board of Trustees approves the addition of Shiawassee County to the counties listed in the plan; and

WHEREAS, GM's request has been approved by the Bay County Board of Commissioners with Resolution No. 2001-265 on October 9, 2001;

NOW, THEREFORE, BE IT RESOLVED that the Township Board of Portsmouth Township does hereby approve and authorize the amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County.

ROLL CALL VOTE-

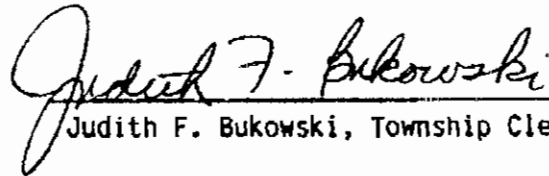
Yeas: Brandt, VanDriessche, Gatza, Bukowski, Pett and Cieslinski

Nays: Pawlak

Absent: None

MOTION CARRIED

I, Judith F. Bukowski, Clerk for the Charter Township of Portsmouth, Bay County, Michigan hereby certify that the Resolution to Amend the Bay County Solid Waste Management Plan was duly adopted by the Charter Township of Portsmouth Board of Trustees on the 17th day of December, 2001 at a regular meeting of said Board at which a quorum was present.


Judith F. Bukowski, Township Clerk

PUBLIC HEARING

Date: February 11, 2002
Time: 7:30 P.M.
Location: Bay County Board of Commissioners Conference Room
Called by: Laura Ogar, Director for Environmental Affairs and Community Development.
Bay County

Minutes

Laura Ogar, Bay County's Director for Environmental Affairs and Community Development, opened the meeting at approximately 7:30 p.m. to hear public comments regarding the proposed closed amendment to the Bay County Solid Waste Management Plan. Ms. Ogar read the following:

Resolution #2001-265 for the Amendment:

WHEREAS, General Motors Powertrain has requested a modification to the Bay County Solid Waste Management Plan to allow them to export their industrial waste to a landfill located in Shiawassee County, one of six landfills in the nation that is accepting industrial waste; and

WHEREAS, the General Motors request is made in accordance with their corporate waste management plan and will result in a significant cost savings to General Motors in the amount of \$216,000 annually; and

WHEREAS, any costs associated with the amendment of the Solid Waste Management Plan will be paid by General Motors Powertrain; and

WHEREAS, no financial loss will be realized by the landfill located in Bay County, since General Motors does not currently dispose of its industrial waste at that location;

THEREFORE BE IT RESOLVED that the Bay County Board of Commissioners hereby authorizes amendment to the Bay County Solid Waste Management Plan to allow importation and exportation of waste with Shiawassee County;

BE IT FURTHER RESOLVED that General Motors Powertrain will pay all costs associated with the amendment of the Solid Waste Management Plan; and

BE IT FINALLY RESOLVED that the Chairman of the Board is authorized to execute any documentation required for this amendment to the Bay County Solid Waste Management Plan, signed on October 9, 2001.

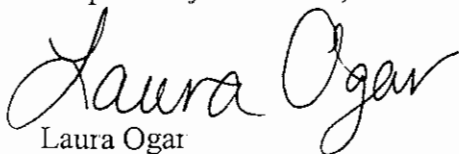
Laura Ogar noted that this amendment requires a 90 day public comment period for which we are closing-in on that time-frame. This is the Public Hearing as required for this amendment. She stated this amendment had already been distributed to the local units for their consideration. It was passed with over two-thirds voting in favor of the amendment. She stated the purpose of this meeting today was to hear public comments. She asked if anyone wished to speak and stated the comments will be transcribed and responded to if requested

Don Wagner, Plant Manager at the General Motors Powertrain, Bay City Plant:

“As you described, the General Motors Powertrain Bay City Plant requested a review and modification of the Bay County Solid Waste Management Plan to allow importation and exportation of industrial waste with Shiawassee County. This modification will enhance the Bay City Plant’s manufacturing competitiveness. General Motors implemented an internal waste disposal program to improve their handling of the solid waste while also reducing costs. The internal program consists of limiting the number of industrial waste landfills the corporation uses nationally and incorporating every U.S. GM facility into this program, including our Plant here in Bay City. The landfill in Shiawassee County is the closest licensed industrial waste plant landfill of the six that are included in General Motors’ national internal waste disposal program. The Bay City Powertrain Plant is currently incurring considerable transportation costs by shipping industrial waste to the next closest industrial landfill included in the General Motors program, which is in Northwood, Ohio, 158 miles away. This issue is unique to the Powertrain Bay City Plant because other Michigan counties in which GM facilities are located already have an importation/exportation agreement with Shiawassee County. Modifying the Bay County Solid Waste Management Plan will enable the Bay City Powertrain Plant to continue to operate with competitive costs so that it can maintain its role as a valuable member of the community.”

As there were no other public comments made, the Public Hearing adjourned at approximately 7:30 p.m.

Respectfully submitted,

A handwritten signature in cursive script that reads "Laura Ogar". The signature is written in dark ink and is positioned above the printed name and title.

Laura Ogar

Director of Environmental Affairs and Community Development

mtb

NO. 2002-48

RESOLUTION

3/12/02

BY: WAYS AND MEANS COMMITTEE (3/5/02)

WHEREAS, The Bay County Board of Commissioners previously directed the Environmental Affairs Director to undertake procedures necessary to amend the Bay County Solid Waste Management Plan to add Shiawassee County to the list of counties authorized for importation and exportation of solid waste,

WHEREAS, The Bay County Environmental Affairs Director prepared amendments to the Bay County Solid Waste Management Plan, and

WHEREAS, The Environmental Affairs Director has completed steps necessary under Michigan law to add the attached Amendments to the Bay County Solid Waste Management Plan, and

WHEREAS, Two-thirds of local governments in the County have reviewed and approved the Amendments, and

WHEREAS, A public hearing was duly held to solicit comments about the Amendments to the Bay County Solid Waste Plan and all participants were favorable in their review; NOW, THEREFORE, BE IT

RESOLVED That the Bay County Board of Commissioners hereby approves the **amendment** of the following specific sections of the **Bay County Solid Waste Plan**:

- Add "Shiawassee County" to Table 1-A on Page III-3 "Current Import Volume Authorization of Solid Waste"
 - Add "Shiawassee County" to Table 2-A on page II-5 "Current Export Volume Authorization of Solid Waste"
 - Add "Shiawassee County" to the list of "Solid Waste Disposal Areas" for Type II landfills
- And, Be It Further

RESOLVED That the Environmental Affairs Director shall submit the Amendments to the Michigan Department of Environmental Quality for approval and shall notify this Board when the Amendments are approved, and Be It Finally

RESOLVED That the Environmental Affairs Director shall communicate with Shiawassee County to confirm that Bay County is included in its plan as required in the Bay County Solid Waste Plan.

RICHARD L. BYRNE, CHAIRMAN
WAYS AND MEANS COMMITTEE

SOLIDWASTEPLANAMEND.

BAY COUNTY BOARD OF COMMISSIONERS 3/12/02 MEETING
RESOLUTION NO. 2002-48
MOTION NO. _____
MOVED BY COMM. Byrne
SUPPORTED BY COMM. Brissette

VOTE:

ROLL CALL: YEAS _____ NAYS _____ EXCUSED _____
VOICE: ☒ YEAS 9 ☒ NAYS 0 ☒ EXCUSED 0

DISPOSITION: ADOPTED ☒ DEFEATED _____ WITHDRAWN _____
AMENDED _____ CORRECTED _____ REFERRED _____

-41-

IMPORT AUTHORIZATION

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

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Bay County	Alcona	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Bay County	Alpena				
Bay County	Antrim				
Bay County	Arenac				
Bay County	Benzie				
Bay County	Charlevoix				
Bay County	Cheboygan				
Bay County	Clare				
Bay County	Clinton				
Bay County	Crawford				
Bay County	Emmet				
Bay County	Genesee				
Bay County	Gladwin				
Bay County	Gratiot				
Bay County	Grant Traverse				
Bay County	Huron				
Bay County	Iosco				
Bay County	Isabella				
Bay County	Kalkaska				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

IMPORT AUTHORIZATION, Continued

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

Table 1-A, Continued**CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE**

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Bay County	Lapeer	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Bay County	Leelanau				
Bay County	Manistee				
Bay County	Mecosta				
Bay County	Midland				
Bay County	Missaukee				
Bay County	Montmorency				
Bay County	Osceola				
Bay County	Ogemaw				
Bay County	Oscoda				
Bay County	Otsego				
Bay County	Presque Isle				
Bay County	Roscommon				
Bay County	Saginaw				
Bay County	Shiawassee				
Bay County	Tuscola				
Bay County	Wexford				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

EXPORI AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the IMPORTING COUNTY is authorized by the EXPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A

Table 2-A

CURRENT EXPORI VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Alcona	Bay County	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Alpena	Bay County				
Antrim	Bay County				
Arenac	Bay County				
Benzie	Bay County				
Charlevoix	Bay County				
Cheboygan	Bay County				
Clare	Bay County				
Clinton	Bay County				
Crawford	Bay County				
Emmet	Bay County				
Genesee	Bay County				
Gladwin	Bay County				
Gratiot	Bay County				
Grant Traverse	Bay County				
Huron	Bay County				
Iosco	Bay County				
Isabella	Bay County				
Kalkaska	Bay County				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county

EXPORT AUTHORIZATION, Continued

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the IMPORTING COUNTY is authorized by the EXPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A

Table 2-A, Continued

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Lapeer	Bay County	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Leelanau	Bay County				
Manistee	Bay County				
Mecosta	Bay County				
Midland	Bay County				
Missaukee	Bay County				
Montmorency	Bay County				
Osceola	Bay County				
Ogemaw	Bay County				
Oscoda	Bay County				
Otsego	Bay County				
Presque Isle	Bay County				
Roscommon	Bay County				
Saginaw	Bay County				
Shiawassee	Bay County				
Tuscola	Bay County				
Wexford	Bay County				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

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. The following pages contain the 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 the 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

Whitefeather Landfill
Saginaw Valley Landfill
Northern Oaks Landfill
City of Midland Landfill
Brent Run Landfill
Manistee County Landfill
Glen's Sanitary Landfill
Cedar Ridge Recycling and Disposal Facility
City Environmental Services of Waters
Elk Run Sanitary Landfill
Cove Landfill of Bad Axe

Type III Landfill

Lafarge Type III landfill

Incinerator

Waste-to-Energy Incinerator

Type A Transfer Facility

Hampton Township Transfer Facility

Type B Transfer Facility

Processing Plant

Waste Piles

Other

IMPORT AUTHORIZATION, Continued

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

Table 1-A, Continued

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Bay County	Lapeer	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
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Bay County	Oscoda				
Bay County	Otsego				
Bay County	Presque Isle				
Bay County	Roscommon				
Bay County	Saginaw				
Bay County	Shiawassee				
Bay County	Tuscola				
Bay County	Wexford				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

EXPORT AUTHORIZATION, Continued

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the IMPORTING COUNTY is authorized by the EXPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A.

Table 2-A, Continued

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Lapeer	Bay County	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Leelanau	Bay County				
Manistee	Bay County				
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Roscommon	Bay County				
Saginaw	Bay County				
Shiawassee	Bay County				
Tuscola	Bay County				
Wexford	Bay County				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

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. The following pages contain the 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 the 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

Whitefeather Landfill
Saginaw Valley Landfill
Northern Oaks Landfill
City of Midland Landfill
Brent Run Landfill
Manistee County Landfill
Glen's Sanitary Landfill
Cedar Ridge Recycling and Disposal Facility
City Environmental Services of Waters
Elk Run Sanitary Landfill
Cove Landfill of Bad Axe
Venice Park Landfill

Type III Landfill

Lafarge Type III landfill

Incinerator

Waste-to-Energy Incinerator

Type A Transfer Facility

Hampton Township Transfer Facility

Type B Transfer Facility

Processing Plant

Waste Piles

Other



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

May 16, 2001

Mr. Edward L. Rivet, Chairperson
Bay County Board of Commissioners
515 Center Avenue
Bay City, Michigan 48708-5994

Dear Mr. Rivet:

The Department of Environmental Quality (DEQ) received the locally approved update to the Bay County Solid Waste Management Plan (Plan) on April 2, 2001.

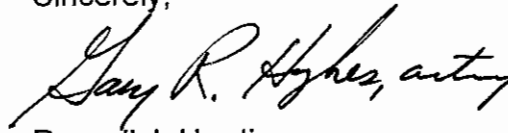
By this letter, this Plan is hereby approved. The DEQ would like to thank Bay County (County) for its efforts in addressing the County's solid waste management issues.

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 that these enforceable mechanisms are properly implemented 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 Ms. Rhonda Zimmerman, Solid Waste Management Unit Chief, Waste Management Division, at 517-373-4750.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell J. Harding", written in a cursive style.

Russell J. Harding
Director
517-373-7917

cc: Senator Joel D. Gougeon
Representative A.T. Frank
Representative Joseph L. Rivet
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Mr. Timothy R. Sowton, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Ms. Rhonda Zimmerman, DEQ
Mr. Edwin Haapala, DEQ – Saginaw Bay
Ms. Lynn Dumroese, DEQ
Bay County File



BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

March 26, 2001

BAY COUNTY BUILDING 1932

Edward L. Rivet
Board Chairman
4th District

Eugene F. Gwizdala
Vice-Chairman
7th District

Richard L. Byrne
1st District

William A. Reder
2nd District

Scott S. Holman
3rd District

Paul L. Brissette
5th District

Donald G. Goulet
6th District

Michael F. Halstead
8th District

Dennis R. Poirier
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

Ms. Lynn Dumroese
Environmental Quality Analyst
Michigan Department of Environmental Quality
P. O. Box 30241
Lansing, Michigan 48909

Re: Submittal of the Bay County Solid Waste Management Plan
Bay County, Michigan

Dear Ms. Dumroese:

On behalf of the Bay County Board of Commissioners, we are pleased to submit Bay County's Solid Waste Management Plan. The Plan has been approved by more than the required two-thirds of the local governments, and it represents a broad-based community effort. We look forward to the Michigan Department of Environmental Quality's approval of the Plan and realize that it's implementation will result in improved solid waste recycling and waste management throughout Bay County.

We are available to answer any questions or provide additional information. Please contact Laura Ogar, Director of Environmental Affairs and Community Development, at (517) 895-4196 if any further information is needed.

Sincerely,

Edward L. Rivet
Chairman

Bay County Board of Commissioners

cc: Tom Hickner, Bay County Executive
William Reder, Planning Committee Chair
Richard L. Byrne, Solid Waste Management Plan Update
Committee Chair
Laura Ogar, Director of Environmental Affairs/Comm.Develop.
Townships/Cities

WASTE MANAGEMENT DIVISION

APR 2 2001

RECEIVED



Revised Final Draft, 3/29/01

**PLAN FORMAT
FOR PREPARING
COUNTY SOLID WASTE MANAGEMENT PLANS**

**AS REQUIRED BY SECTION 11539a OF
PART 115, SOLID WASTE MANAGEMENT, OF
THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT
1994 PA 451, AS AMENDED**

**John Engler, Governor
Russell J. Harding, Director**

**Michigan Department of Environmental Quality
Waste Management Division**

**This document is available to download from our Internet site at:
<http://www.deq.state.mi.us/wmd/sections/swpshome.html>**

EQP 5210 (8-97)

1997 PLAN UPDATE COVER PAGE

The Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, requires that each County have a Solid Waste Management Plan Update (Plan) approved by the Michigan Department of Environmental Quality (DEQ). Section 11539a requires the DEQ to prepare and make available a standardized format for the preparation of these Plan updates. This document is that format. The Plan should be prepared using this format without alteration. Please refer to the document entitled "Guide to Preparing the Solid Waste Management Plan Update" for assistance in completing this Plan format.

DATE SUBMITTED TO THE DEQ:

If this Plan includes more than a single County, list all counties participating in this Plan.

The following lists all the municipalities from outside the County who have requested and have been accepted to be included in the Plan, or municipalities within the County that have been approved to be included in the Plan of another County according to Section 11536 of Part 115 of the NREPA. Resolutions from all involved County boards of commissioners approving the inclusion are included in Appendix E.

Municipality

Original Planning County

New Planning County

DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:

Bay County Environmental Affairs Department

CONTACT PERSON:

Laura Ogar

ADDRESS:

515 Center Avenue

Bay City, MI 48708-5994

PHONE:

517-895-4035

FAX: 517-895-4068

E-MAIL:

(If Applicable)

CENTRAL REPOSITORY LOCATION(S):

TABLE OF CONTENTS

Executive Summary	I-6
Overall view of the County	I-6
Conclusions	I-7
Selected Alternatives.....	I-7
Introduction	I-8
Goals and Objectives ...	I-8
Database.....	II-1
Solid Waste disposal areas.....	II-3
Solid Waste Facility descriptions	II-5
Solid waste collections services and transportation infrastructure.....	II-13
Evaluation of deficiencies and problems.....	II-14
Demographics.	II-15
Land Development.....	II-16
Solid Waste management Alternatives	II-17
Selected Solid Waste management System.....	III-1
Import/Export Authorizations	III-2
Solid Waste Disposal Areas	III-6
Facility Descriptions	III-7
Solid Waste collections services and transportation infrastructure.....	III-15
Resource Conservation Efforts	III-16
Waste Reduction, recycling and composting programs	III-17
Educational and informational programs	III-28
Timetable	III-29
Siting procedure	III-30
Management Component.....	III-31
Local Ordinances and Regulations	III-33
Capacity Certification Process	III-34
Appendix A - Additional information regarding the selected system	A-1
Evaluation of recycling.....	A-2
Detailed features of recycling and composting programs	A-3
Coordination efforts	A-5
Costs and funding.....	A-6
Evaluation Summary...	A-7
Advantages and Disadvantages.....	A-8
Appendix B - nonselected systems	B-1
Nonselected systems.....	B-2
Appendix C - Public Participation	C-1
Public Participation and Approval	C-2
Appendix D - Attachments.....	D-1

EXECUTIVE SUMMARY

The 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 (attach additional pages as necessary)

Township or Municipality name	1990 Pop.	% Land Use		% Economic base*					
		Rural	Urban	Ag	For	Ind	Com	Res	Other
Auburn City	1,855	0	100	0	0	0	16	79	5
Bangor Township	15,905	5	95	13	0	4	21	63	0
Bay City	38,596	0	100	0	0	4	17	64	15
Beaver Township	2,791	100	0	31	1	.4	2	62	4
Essexville City	4,082	0	100	0	0	5	3	87	5
Frankenlust Township	2,190	75	25	14	0	.3	17	63	6
Fraser Township	3,680	95	5	22	0	.3	6	66	6
Garfield Township	1,726	98	2	30	0	.3	2	64	4
Gibson Township	1,090	100	0	45	10	.4	.3	33	11
Hampton Township	9,256	75	25	4	.01	52	9	30	5
Kawkawlin Township	4,793	90	10	15	0	1	8	71	5
Merritt Township	1,510	98	2	53	0	2	1	37	7
Monitor Township	9,391	85	15	8	0	3	9	67	13
Mount Forest Township	1,457	100	0	36	8	1	.3	50	5
Pinconning City	1,291	0	100	0	0	9	25	48	18
Pinconning Township	2,647	95	5	33	0	1	7	52	7
Portsmouth Township	3,918	70	30	17	0	2	5	70	6
Williams Township	4,241	80	20	14	0	13	3	53	17
TOTAL (1990)	110,653								

Total Population

*Ag = Agriculture; For = Forestry; Ind = Industry; Com = Commercial; Oth = All Other Economic Bases

Additional listings, if necessary, are listed on an attached page Rounding may cause figures to add to other than 100%

EXECUTIVE SUMMARY

Bay County is a primarily rural county outside of the City of Bay City. The solid waste management system has evolved through a combination of needs, cost effectiveness and long effort by public and private groups to maximize resource recovery in the waste stream.

The County is not developing at a rate that demands wide scale waste handling planning, nor is it expected to do so in the next five to ten years. Most development is in new and existing residential subdivisions, with very little industrial or commercial group that would alter the waste stream in quantity or type of waste.

Given this situation, Bay County has chosen to retain the current solid waste collection and disposal system currently in place, with several changes to increase public awareness and opportunity to recycle and remove hazardous materials from the waste stream.

The County reviewed four main solid waste management alternatives prior to coming to this conclusion. These alternatives are to,

1. Retain the solid waste management system as it currently exists.
2. Adopt a combination of two approaches. First we would recommend maintaining the current system of solid waste hauling and disposal efforts and institute additional efforts at diverting recyclable and reusable materials from the waste stream through three methods. This alternative stresses increasing public awareness of recycling, reuse and composting alternatives, identifying households in a more consistent manner to improve the efficiency of the current waste hauling system and decreasing open burning. This is the selected solid waste management system.
3. The third alternative is to encourage the municipalities that have not already done so to institute curbside disposal through special assessment and possibly include curbside recycling if their community is not sparsely populated.
4. The fourth alternative is to maintain the current solid waste collection system but require co-collection of trash and recyclables for all household that subscribe to trash collection. In addition, the alternative establishes recycling drop-off locations in every township at least twice a month.

CONCLUSIONS AND SELECTED ALTERNATIVE

The manner of evaluation and ranking of each alternative is very simplistic. The cost and potential for waste diversion are the two main factors used to evaluate each method. We did not rank the alternatives since there appears to be only one logical choice in this rural and sparsely populated county. Of the four alternatives, only one shows the opportunity to divert a substantial amount from the waste stream at a reasonable cost and that is the second alternative.

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: 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.

Objective (1a): Increase drop off locations for recycling all materials, specifically oil and those items currently collected at curbside for those areas with curbside programs.

Objective (1b): Provide positive reinforcement for major industrial, municipal and commercial recyclers through awards and publicity.

Objective (1c): Increase household hazardous waste collections.

Objective (1d): Reach a 30% diversion rate for recyclables within the next five years.

Objective (1e): Encourage recovery of recyclables by industrial, commercial and residential sources.

Objective (1f): Produce local TV and radio ads on public cable channels on recycling education.

Objective (1g): Establish a recycling information packet encouraging people to buy recycled products, using examples of products, for distribution in public locations to newcomers and other groups.

Objective (1h): Encourage municipalities and organizations to locate a drop off center for returnable bottles and cans.

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

Objective (2a): Increase enforcement of open dumping offenses.

Objective (2c): Continue inspection and sampling of landfills and surrounding water sources at the state and Township level.

Goal 3: Develop an integrated solid waste management system in which all components work together effectively and efficiently.

Objective (3a): Ensure that the system maximizes proven waste reduction methods such as recycling and composting and extends the life of existing and planned landfills.

Objective (3b): Set up a cooperative network between the government and the waste industry.

Objective (3c): Encourage all waste haulers to include recycling in the services that they offer with waste pick up.

Objective (3d): Encourage waste collectors to introduce incentives using contractual agreements for participation in curbside recycling.

Goal 4: Minimize the costs and impacts of dealing with each component of the solid waste stream.

Objective (4a): Address issues relating to the siting and management of landfills and handling of materials which must be disposed of in this manner.

Objective (4b): Prevent adverse effects on public health and on the environment resulting from improper solid waste collection, transportation, processing, and disposal, including protection of surface and groundwater quality, air quality, and the land.

Goal 5: Develop an efficient, environmentally sound and cost effective solid waste management system that is capable of meeting the County's diverse needs for the next 20 years.

Objective (5a): Encourage new and innovative materials and energy recovery technologies.

Objective (5b): Advocate a more inclusive returnable bottle law.

Objective (5c): Promote lobbying on solid waste issues through the Michigan Township Association, Michigan Municipal League, Michigan Association of Counties and other organizations.

Objectives (5d): All solid waste disposal methods for type II and type III wastes other than land filling must be expressly allowed in the Solid Waste Management Plan by amendment.

DATA BASE

Identification of sources of waste generation within the county, total quantity of solid waste generated to be disposed, and sources of the information. (Attach additional pages as necessary)

Waste Type	Current Annual Volume	Five-Year Annual Volume	Ten-Year Annual Volume
Household solid waste (72%)	239,003	246,173	253,558
Commercial Solid Waste (17%)	76,348	78,638	80,998
Industrial Solid Waste (5% est)	149,449	149,449	149,449
Industrial Sludge (1% est)	332	332	332
Municipal Sludge (1%)	3,319	3,419	3,521
Construction/demolition (4.2%)	13,942	14,360	14,791
Foundry Sand (1%)	3,320	3,320	3,320

All figures reported to Bay County were in cubic yards from both disposers and haulers. We used the conversion rates of three cubic yards equals one ton for all types of waste except soils. One cubic yard of soil, including foundry sand is assumed to weigh one ton. These conversion rates are those used by the local landfills. The industrial waste conversion rate is supplied by Consumer's Energy, for which .972 tons equals one cubic yard.

Household solid waste figures were derived using both actual figures reported to the county by waste haulers and disposers and checked against standardized solid waste generation rates for rural and urban areas from the Environmental Protection Agency's Waste Characterization study for 1995 and the National Solid Waste Management Association's Technical reports.

The EPA indicates that waste is generated at the rate of 4.5 pounds per day per person. The NSWMA establishes a range of 2.5 to 3.5 pounds per day per person. In the absence of any other available information such as a waste characterization survey, we have elected to use the NSWMA figure as a guide and comparison to what we learned through contact with haulers and generators. Other industry standards estimate one ton of waste per household per year is reasonable.

There are 110,423 people in Bay county, according to the Michigan Information Center's 1997 estimates. Population figures for municipalities are from the 1990 U.S. Census STF 1A Summary Tapes. This equates to 60,457 tons of household waste generated per year in Bay County, which is significantly lower than that reported by haulers and disposers. We have elected to use the rates reported by haulers and disposers.

for commercial waste generated without a waste survey. We checked generation rates against those determined from a survey of commercial generation in Saginaw County, an abutting, somewhat more urban county. These figures show an average of 8.7 pounds per day per employee, based on 310 days per year. The resulting figure is significantly higher than that reported in Bay County by haulers and we have elected to stay with the tonnage reported by haulers.

Industrial waste presents the same difficulty as commercial wastes, although, major industrial generators are easier to identify. In Bay County the major industrial generator is Consumers Energy. Consumer's disposes of all their wastes in private landfills, as substantiated by their submitted disposal reports.

Industrial sludges were estimated as the sole source of data, based on similar generation rates in similarly developed counties.

Municipal sludges are generated by the City of Bay City and the City of Essexville. Currently, Bay City disposes of their sludges and grit from the wastewater treatment plant at the Saginaw Valley Landfill in Saginaw. The City of Essexville sends their sludges to Orion, Michigan for disposal. The City plans to land apply their sludges in the future. These figures were obtained directly from City records.

Construction/demolition debris is estimated from actual figures reported by landfills.

Foundry sand is estimated from actual figures reported by landfills.

Five and ten year estimates were derived by inflating household, commercial and municipal sludge figures by 3% for each five year increment. Population is expected to increase by 3% over each of these increments. Industrial waste, industrial sludge and foundry sand were not inflated since there is no way to predict these figures accurately.

TOTAL QUANTITY OF SOLID WASTE GENERATED:

170,995 Tons in one year (identify unit of time)

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:

120,968 Tons in one year (identify unit of time)

DATA BASE

Inventory and description of all solid waste disposal areas within the County or to be utilized by the County to meet its disposal needs for the planning period.

Whitefeather Landfill, 2401 Whitefeather Road, Pinconning, Michigan

This landfill is located in Pinconning Township, Bay County. The landfill is owned by Republic Services of Michigan, Inc. Whitefeather is 106 acres in size. Currently 70.5 of these are permitted for disposal. The landfill accepts residential, commercial, industrial, construction, demolition, contaminated soils, special wastes and asbestos. The landfill has an estimated remaining life of 28.93 years or 5,453,901 cubic yards.

Taymouth Landfill, 4532 East Rathbun Road, Birch Run, Michigan

This landfill is closed.

Peoples Landfill, 4146 East Rathbun Road, Birch Run, Michigan

This landfill is located in Taymouth Township, Saginaw County. The landfill is owned by Waste Management, Inc. Peoples Landfill is 163 acres in size, 29 of which are permitted for disposal. The landfill accepts residential, commercial, industrial, construction, demolition, contaminated soils, special wastes, asbestos, sludges and ash. The landfill has an estimated remaining life of 20 years or 5,301,641 cubic yards.

Saginaw Valley Landfill, 2145 South Miller Road, Saginaw, Michigan

This landfill is closed.

Northern Oaks Landfill, Clare County

This landfill is located outside of Harrison in Clare County. The landfill is owned by Waste Management of Michigan, Inc. Northern Oaks is 480 acres in size, 76 of which are sited for use. The landfill accepts residential, commercial, industrial, construction and demolition, contaminated soils and special wastes. There is an estimated 37.6 years remaining lifetime for this landfill.

City of Midland Landfill, 4315 East Ashman Road, Midland, Michigan

This landfill is located in the City of Midland, Midland County. The landfill is owned by the city for the exclusive use of county residents. This landfill would only be available for use in emergency conditions. The landfill is 400 acres in size, 110 of which are permitted for use. The landfill accepts residential, commercial, industrial, construction, demolition, contaminated soils, special wastes, asbestos, sludges and ash. The landfill has an estimated remaining life of 55 years.

Brent Run Landfill, Genesee County

This landfill is located in Montrose, Genesee County. The landfill is owned by Republic Waste Services, Inc. Brent Run is 370 acres in size, 243 of which are sited for use. The landfill accepts residential, commercial, industrial, construction and demolition, contaminated soils and special wastes. There is an estimated lifetime of 22.1 years at this landfill.

Hampton Township Transfer Station, Bay County

This transfer station is located in Hampton Township, Bay County. The transfer station is owned by the Township. The facility is 6 acres in size. The transfer station accepts residential and yard waste. As a transfer station, there is no estimated life of the facility in terms of capacity.

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Whitefeather Development Company

County: Bay Location: Town: 17N Range: 4E Section(s): 2

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Republic Services of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure	<input checked="" type="checkbox"/> special wastes *
<input type="checkbox"/> pending	<input type="checkbox"/> other: _____

* Explanation of special wastes, including a specific list and/or conditions: asbestos

Site Size:

Total area of facility property:	<u>752</u>	acres
Total area sited for use:	<u>106</u>	acres
Total area permitted:	<u>70.5</u>	acres
Operating:	<u>25.5</u>	acres
Not excavated:	<u>32.0</u>	acres

<input checked="" type="checkbox"/> Current capacity:	<u>5,453,901</u>	tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>28.93</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>150,000</u>	tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: City of Midland Landfill

County: Midland Location: Town: 14N Range: 2E Section(s): 12

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☒ Public ☐ Private Owner: City of Midland

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/>	open	<input checked="" type="checkbox"/>	residential
<input type="checkbox"/>	closed	<input checked="" type="checkbox"/>	commercial
<input checked="" type="checkbox"/>	licensed	<input checked="" type="checkbox"/>	industrial
<input type="checkbox"/>	unlicensed	<input checked="" type="checkbox"/>	construction & demolition
<input type="checkbox"/>	construction permit	<input checked="" type="checkbox"/>	contaminated soils
<input type="checkbox"/>	open, but closure	<input checked="" type="checkbox"/>	special wastes *
<input type="checkbox"/>	pending	<input type="checkbox"/>	other: _____

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 329.14 acres

Total area sited for use: 64.80 acres

Total area permitted: 110.00 acres

Operating: 20.50 acres

Not excavated: 48.67 acres

Current capacity: _____ ☐ tons or ☒ yds³

Estimated lifetime: 55 years

Estimated days open per year: 252 days

Estimated yearly disposal volume: _____ ☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Taymouth Landfill, Saginaw County

County: Saginaw Location: Town: 10 Range: 5E Section(s): 15

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Republic Services of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input type="checkbox"/>	open	residential
<input checked="" type="checkbox"/>	closed	commercial
<input type="checkbox"/>	licensed	industrial
<input type="checkbox"/>	unlicensed	construction & demolition
<input type="checkbox"/>	construction permit	contaminated soils
<input type="checkbox"/>	open, but closure	special wastes *
<input type="checkbox"/>	pending	other: _____

* Explanation of special wastes, including a specific list and/or conditions: asbestos

Site Size:

Total area of facility property: 0 acres

Total area sited for use: 0 acres

Total area permitted: 0 acres

Operating: 0 acres

Not excavated: 0 acres

☒ Current capacity: 0 tons or ☒ yds³

Estimated lifetime: 0 years

Estimated days open per year: 0 days

Estimated yearly disposal volume: 0 tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Peoples Landfill

County: Saginaw Location: Town: 10N Range: 5E Section(s): 15

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

Public ☒ Private Owner: **Waste Management of Michigan, Inc.**

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/>	open	<input checked="" type="checkbox"/>	residential
<input type="checkbox"/>	closed	<input checked="" type="checkbox"/>	commercial
<input checked="" type="checkbox"/>	licensed	<input checked="" type="checkbox"/>	industrial
<input type="checkbox"/>	unlicensed	<input checked="" type="checkbox"/>	construction & demolition
<input type="checkbox"/>	construction permit	<input checked="" type="checkbox"/>	contaminated soils
<input type="checkbox"/>	open, but closure	<input checked="" type="checkbox"/>	special wastes *
<input type="checkbox"/>	pending	<input checked="" type="checkbox"/>	Other: _____

* Explanation of special wastes, including a specific list and/or conditions: Asbestos, soil, sludge, ash

Site Size:

Total area of facility property:	<u>163</u>	acres
Total area sited for use:	<u>110</u>	acres
Total area permitted:	<u>29.1</u>	acres
Operating:	<u>2</u>	acres
Not excavated:	<u>100</u>	acres
Current capacity:	<u>5,301,641</u>	X tons or ___ yds ³
Estimated lifetime:	<u>20</u>	years
Estimated days open per year:	<u>254</u>	days
Estimated yearly disposal volume:	<u>1000</u>	X tons or ___ yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: 3.2 megawatts (Combined with Teymouth)

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Saginaw Valley Landfill

County: Saginaw Location: Town: 11N Range: 3E Section(s): 1

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Waste Management

Operating Status (check) Waste Types Received (check all that apply)

<input type="checkbox"/>	open	residential
<input checked="" type="checkbox"/>	closed	commercial
<input type="checkbox"/>	licensed	industrial
<input type="checkbox"/>	unlicensed	construction & demolition
<input type="checkbox"/>	construction permit	contaminated soils
<input type="checkbox"/>	open, but closure	special wastes *
<input type="checkbox"/>	pending	other: _____

* Explanation of special wastes, including a specific list and/or conditions: Sludge, ash

Site Size:

Total area of facility property: 84.25 acres

Total area sited for use: 0 acres

Total area permitted: 0 acres

Operating: 0 acres

Not excavated: 0 acres

Current capacity: _____ tons or _____ yds³

Estimated lifetime: 0 years

Estimated days open per year: 0 days

Estimated yearly disposal volume: 0 tons or _____ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Northern Oaks Landfill

County: Clare Location: Town: 19 Range: 4 Section(s): 32

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: **Waste Management of Michigan, Inc.**

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure	<input checked="" type="checkbox"/> special wastes *
<input type="checkbox"/> pending	<input type="checkbox"/> other: _____

* Explanation of special wastes, including a specific list and/or conditions: WWTP filter cake, sludge

Site Size:

Total area of facility property:	<u>480</u>	acres
Total area sited for use:	<u>76</u>	acres
Total area permitted:	<u>76</u>	acres
Operating:	<u>19</u>	acres
Not excavated:	<u>57</u>	acres
Current capacity:	<u>17,014,000</u>	tons or X yds ³
Estimated lifetime:	<u>37.6</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>409,000</u>	tons or X yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Brent Run Landfill

County: Genesee Location: Town: 9N Range: 5E Section(s): 23

Map identifying location included in Attachment Section: Yes **X** No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

 Public **X** Private Owner: Republic Services of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

X	open	X	residential
<u> </u>	closed	X	commercial
X	licensed	X	industrial
<u> </u>	unlicensed	X	construction & demolition
<u> </u>	construction permit	X	contaminated soils
<u> </u>	open, but closure	X	special wastes *
<u> </u>	pending	X	other: <u>yard waste</u>

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 370 acres

Total area sited for use: 243.17 acres

Total area permitted: 106.47 acres

Operating: 38.91 acres

Not excavated: 67.56 acres

Current capacity: 11,050,000 tons or **X** yds³

Estimated lifetime: 22.1 years

Estimated days open per year: 386 days

Estimated yearly disposal volume: 500,000 tons or **X** yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Transfer Station

Facility Name: Hampton Township Transfer Station

County: Bay Location: Town: 17N Range: 4E Section(s): 7

Map identifying location included in Attachment Section: Yes X No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Saginaw Valley Landfill, Saginaw County

X Public Private Owner: Hampton Township

Operating Status (check) Waste Types Received (check all that apply)

<u>X</u>	<u>open</u>	<u>X</u>	<u>residential</u>
<u> </u>	<u>closed</u>		<u>commercial</u>
<u>X</u>	<u>licensed</u>		<u>industrial</u>
<u> </u>	<u>unlicensed</u>		<u>construction & demolition</u>
<u> </u>	<u>construction permit</u>		<u>contaminated soils</u>
<u> </u>	<u>open, but closure</u>		<u>special wastes *</u>
<u> </u>	<u>pending</u>	<u>X</u>	<u>other: <u>yard waste</u></u>

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 6 acres

Total area sited for use: acres

Total area permitted: acres

Operating: acres

Not excavated: acres

Current capacity: NA tons or X yds³

Estimated lifetime: NA years

Estimated days open per year: 310 days

Estimated yearly disposal volume: tons or X yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

**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.

All services are curbside collection with municipal contracts unless otherwise noted.

Hampton Township Department of Public Works operates a transfer station for type II wastes, paper, glass, aluminum, plastic and yard wastes. There is no fee to drop off materials and the facility is open to Township residents only. Trash is compacted on site and hauled to Whitefeather Landfill by City Environmental Services.

There is no drop location for recycling in Bay County. Some residents use drop off facilities in Standish and Saginaw.

Municipality	1990 pop.	Waste Hauling Provider	Recycling Provider	Other services
Auburn City	1,855	City Environmntl Serv.	City Environmntl Serv	yard waste
Bangor Township	15,905	City Environmntl Serv.	City Environmntl Serv	yard waste
Bay City	38,596	City Sanitation Serv.	City Sanitation services	yard waste
Beaver Township	2,791	City Environmntl Serv individual subscription	City Environmntl Serv	none
Essexville City	4,082	City Environmntl Serv.	City Environmntl Serv	yard waste
Frankenlust Township	2,190	City Environmntl Serv.	City Environmntl Serv.	yard waste
Fraser Township	3,680	City Environmntl Serv.	City Environmntl Serv.	none
Garfield Township	1,726	City Environmntl Serv.	none	none
Gibson Township	1,090	City Environmntl Serv.	none	none
Hampton Township	9,256	City Environmntl Serv. individual subscription	City Environmntl Serv	none
Kawkawlin Township	4,793	City Environmntl Serv.	City Environmntl Serv	none
Merritt Township	1,510	City Environmntl Serv.	City Environmntl Serv.	none
Monitor Township	9,391	City Environmntl Serv.	City Environmntl Serv.	yard waste
Mount Forest Township	1,457	City Environmntl Serv.	none	none
Pinconning City	1,291	City Environmntl Serv.	City Environmntl Serv.	yard waste
Pinconning Township	2,647	City Environmntl Serv.	City Environmntl Serv.	yard waste
Portsmouth Township	3,918	City Environmntl Serv.	City Environmntl Serv.	none
Williams Township	4,241	Waste Management	Waste Management	yard waste

FACILITY DESCRIPTIONS

Facility Type: Transfer Station

Facility Name: Hampton Township Transfer Station

County: Bay Location: Town: 17N Range: 4E Section(s): 7

Map identifying location included in Attachment Section: Yes X No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:
Saginaw Valley Landfill, Saginaw County

X Public Private Owner: Hampton Township

Operating Status (check) Waste Types Received (check all that apply)

X	open	X	residential
<u> </u>	closed		commercial
X	licensed		industrial
<u> </u>	unlicensed		construction & demolition
<u> </u>	construction permit		contaminated soils
<u> </u>	open, but closure		special wastes *
<u> </u>	pending	X	other: <u>yard waste</u>

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 6 acres

Total area sited for use: acres

Total area permitted: acres

Operating: acres

Not excavated: acres

Current capacity: NA tons or X yds³

Estimated lifetime: NA years

Estimated days open per year: 310 days

Estimated yearly disposal volume: tons or X yds³

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

DATA BASE

DEMOGRAPHICS

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

The current and projected population centers are the same for five and ten years into the future.

<u>Population Center</u>	<u>1996</u>	<u>2000</u>	<u>2010</u>	<u>2020</u>
Auburn City	1,895	1,791	1,730	1,670
<i>Bangor Township</i>	<i>16,028</i>	<i>16,384</i>	<i>16,562</i>	<i>17,192</i>
<i>Bay City</i>	<i>39,211</i>	<i>39,610</i>	<i>40,074</i>	<i>40,807</i>
Beaver Township	2,931	2,609	2,422	2,248
<i>City of Essexville</i>	<i>4,088</i>	<i>4,198</i>	<i>4,494</i>	<i>4,758</i>
<i>Frankenlust Township</i>	<i>2,281</i>	<i>2,449</i>	<i>2,724</i>	<i>3,056</i>
Fraser Township	3,734	3,425	3,188	2,967
Garfield Township	1,869	1,665	1,597	1,532
Gibson Township	1,162	1,112	1,135	1,159
<i>Hampton Township</i>	<i>9,308</i>	<i>9,919</i>	<i>10,546</i>	<i>11,275</i>
<i>Kawkawlin Township</i>	<i>4,844</i>	<i>5,098</i>	<i>5,601</i>	<i>6,133</i>
Merritt Township	1,504	1,360	1,226	1,104
<i>Monitor Township</i>	<i>9,512</i>	<i>9,869</i>	<i>10,577</i>	<i>11,453</i>
Mount Forest Township	1,547	1,470	1,483	1,497
Pinconning City	1,381	1,166	1,052	950
Pinconning Township	2,769	2,348	2,083	1,848
<i>Portsmouth Township</i>	<i>3,895</i>	<i>4,003</i>	<i>4,121</i>	<i>4,224</i>
Williams Township	4,474	4,146	4,016	3,895

Source: All 1996 population estimates, Michigan Information Center

*Municipalities in italics source for 2000-2020 population projections, Bay County
Transportation Study.*

Municipalities not in italics source for projections is East Central Planning and Development
Region

DATA BASE

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 and a description of the current and projected centers of solid waste generation, including industrial waste for 5 and 10 year periods.

See County Map on page D-4.

Land development in Bay County is occurring primarily in the southeastern portions of the county. Home building is the primary form of development, with large increases in structures and structural value in Frankenlust, Monitor Williams and Bangor Townships. Development is steady along the water front, again, mostly single family housing for year-round living. Bay City is not experiencing growth in terms of changes to land use; however, existing land uses are fairly stable, as is the population. **These areas are the current and are likely to be the future centers for solid waste generation by residences.**

The northern portion of the county is primarily rural land. There are large tracts of wooded areas and heavy concentrations of farms in each township. I-75 bisects the county from north to south and there is some development along the highway in service businesses and related commercial activity.

Solid Waste planning is not heavily influenced by the development patterns in Bay County. Most new residential structures will be served by municipal waste hauling contracts that include curbside collection of all materials. Existing development is more likely to dictate the needs of residents for opportunities for recycling, for example.

There are two major generators of industrial waste in Bay County. These are Consumer's Energy and General Motors related facilities. **These areas are the current and are likely to be the future centers for solid waste generation by industry.**

Five and ten year projections are shown on page II-1.

DATA BASE

SOLID WASTE MANAGEMENT ALTERNATIVES (attach additional pages as necessary)

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 Alternatives are located in the following section. Details regarding each non-selected alternative are located in Appendix B.

Waste reduction, pollution prevention, resource conservation, resource recovery, volume reduction, sanitary landfilling, collection processes, transportation, ultimate disposal area uses, institutional arrangements and recycling and composting programs were discussed as they do or do not exist now for each alternative. These factors were used to rank each alternative, although a formal ranking system was not used. Bay County does not require a formal or complicated ranking or evaluation system due to the largely rural nature, well operating systems for waste management and highly successful waste reduction, composting and recycling programs in the population centers and some rural areas. The County did, however, review each of these solid waste management components when considering each alternative.

We have identified four main solid waste management alternatives.

The first is the solid waste management system as it currently exists and operates.

The second solid waste management alternative is a combination of two approaches. First we would recommend maintaining the current system of solid waste hauling and disposal efforts, as they are operating well and can expand easily to cover households that currently do not contract for hauling services. Changes in this system that we recommend include additional efforts at diverting recyclable and reusable materials from the waste stream through three main methods:

- Establish more frequent and diverse household hazardous collection programs. These need to be well publicized and include a variety of household items. These should be located throughout the county as well and be on a staggered schedule.
- Yard waste and composting options should be better publicized, and expanded where possible.
- Commercial and industrial diversion is going very well. Successful efforts should be advertised and used as examples for other commercial operations where applicable.

This alternative stresses increasing public awareness of recycling, reuse and composting alternatives, identifying households in a more consistent manner to improve the efficiency of the

current waste hauling system and decreasing open burning. This is the selected solid waste management system.

The third alternative is to encourage the municipalities that have not already done so to institute curbside disposal through special assessment and possibly include curbside recycling if their community is not sparsely populated.

The purpose of this alternative is to ensure that everyone has the opportunity to dispose of waste properly and with the least amount of effort. The negative aspects of this alternative are that curbside collection is not the most efficient nor cost effective way to eliminate open burning and promote recycling. This is a rural area with long distances between stops in some locations. Curbside collection on a county-wide basis does not make sense. While we do not recommend this alternative due to its expense and element of overkill for a predominately rural area, we include it in the plan to show that the County has considered all alternatives.

The fourth alternative is to maintain the current solid waste collection system but encourage co-collection of trash and recyclables for all household that subscribe to trash collection. In addition, the alternative establishes recycling drop-off locations in every township at least twice a month. This alternative provides an easy way for household who have waste collection to begin recycling and for those who do not have trash collection, give them an easier opportunity to recycle closer to home. The negatives of this alternative are increased costs to those with household pick-up and increased cost to each Township to provide recycling drop-off service. We do not recommend this alternative due to costs and the potential of repeating a service already offered through recycling drop-offs. Drop-off locations are provided at a fairly regular interval in good locations in the County now, but do require the participant to know the schedule and location of the recycling drop-off and drive several miles out of their way to use this service.

The manner of evaluation and ranking of each alternative is very simplistic. The cost and potential for waste diversion are the two main factors used to evaluate each method. We did not rank the alternatives since there appears to be only one logical choice in this primarily rural and sparsely populated county. Of the four alternatives, only one shows the opportunity to divert a substantial amount from the waste stream at a reasonable cost and that is the second alternative.

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:

The selected solid waste management alternative is a combination of two approaches. First we would recommend maintaining the current system of solid waste hauling and disposal efforts, as they are operating well and can expand easily to cover households that currently do not contract for hauling services. Changes in this system that we recommend include additional efforts at diverting recyclable and reusable materials from the waste stream through three main methods:

- Establish more frequent and diverse household hazardous collection programs. These need to be well publicized and include a variety of household items. These should be located throughout the county as well and be on a staggered schedule.
- Yard waste and composting options should be better publicized, and expanded where possible.
- Commercial and industrial diversion is going very well. Successful efforts should be advertised and used as examples for other commercial operations where applicable.

This alternative stresses increasing public awareness of recycling, reuse and composting alternatives, identifying households in a more consistent manner to improve the efficiency of the current waste hauling system and decreasing open burning.

IMPORT AUTHORIZATION

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

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Bay County	Alcona	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Bay County	Alpena				
Bay County	Antrim				
Bay County	Arenac				
Bay County	Benzie				
Bay County	Charlevoix				
Bay County	Cheboygan				
Bay County	Clare				
Bay County	Clinton				
Bay County	Crawford				
Bay County	Emmet				
Bay County	Genesee				
Bay County	Gladwin				
Bay County	Gratiot				
Bay County	Grant Traverse				
Bay County	Huron				
Bay County	Iosco				
Bay County	Isabella				
Bay County	Kalkaska				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

IMPORT AUTHORIZATION, Continued

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

Table 1-A, Continued

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Bay County	Lapeer	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Bay County	Leelanau				
Bay County	Manistee				
Bay County	Mecosta				
Bay County	Midland				
Bay County	Missaukee				
Bay County	Montmorency				
Bay County	Osceola				
Bay County	Ogemaw				
Bay County	Oscoda				
Bay County	Otsego				
Bay County	Presque Isle				
Bay County	Roscommon				
Bay County	Saginaw				
Bay County	Tuscola				
Bay County	Wexford				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

EXPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the IMPORTING COUNTY is authorized by the EXPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A.

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Alcona	Bay County	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Alpena	Bay County				
Antrim	Bay County				
Arenac	Bay County				
Benzie	Bay County				
Charlevoix	Bay County				
Cheboygan	Bay County				
Clare	Bay County				
Clinton	Bay County				
Crawford	Bay County				
Emmet	Bay County				
Genesee	Bay County				
Gladwin	Bay County				
Gratiot	Bay County				
Grant Traverse	Bay County				
Huron	Bay County				
Iosco	Bay County				
Isabella	Bay County				
Kalkaska	Bay County				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

EXPORT AUTHORIZATION, Continued

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the IMPORTING COUNTY is authorized by the EXPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 2-A.

Table 2-A, Continued

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Lapeer	Bay County	We have elected to not list specific facilities in this chart to maintain the opportunity to use any facilities each of the counties may have at the time they are needed by Bay County.			
Leelanau	Bay County				
Manistee	Bay County				
Mecosta	Bay County				
Midland	Bay County				
Missaukee	Bay County				
Montmorency	Bay County				
Osceola	Bay County				
Ogemaw	Bay County				
Oscoda	Bay County				
Otsego	Bay County				
Presque Isle	Bay County				
Roscommon	Bay County				
Saginaw	Bay County				
Tuscola	Bay County				
Wexford	Bay County				

¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

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. The following pages contain the 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 the 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

Whitefeather Landfill

Saginaw Valley Landfill

Northern Oaks Landfill

City of Midland Landfill

Brent Run Landfill

Manistee County Landfill

Glen's Sanitary Landfill

Cedar Ridge Recycling and Disposal Facility

City Environmental Services of Waters

Elk Run Sanitary Landfill

Cove Landfill of Bad Axe

Type III Landfill

Lafarge Type III landfill

Type A Transfer Facility

Hampton Township Transfer Facility

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Whitefeather Development Company

County: Bay Location: Town: 17N Range: 4E Section(s): 2

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Republic Services of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure	<input checked="" type="checkbox"/> special wastes *
<input type="checkbox"/> pending	<input type="checkbox"/> other: _____

* Explanation of special wastes, including a specific list and/or conditions: asbestos

Site Size:

Total area of facility property: 752 acres

Total area sited for use: 106 acres

Total area permitted: 70.5 acres

Operating: 25.5 acres

Not excavated: 32.0 acres

☒ Current capacity: 5,453,901 tons or X yds³

Estimated lifetime: 28.93 years

Estimated days open per year: 260 days

☒ Estimated yearly disposal volume: 150,000 tons or X yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: City of Midland Landfill

County: Midland Location: Town: 14N Range: 2E Section(s): 12

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☒ Public ☐ Private Owner: City of Midland

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure	<input checked="" type="checkbox"/> special wastes *
<input type="checkbox"/> pending	<input type="checkbox"/> other: _____

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 329.14 acres

Total area sited for use: 64.80 acres

Total area permitted: 110.00 acres

Operating: 20.50 acres

Not excavated: 48.67 acres

Current capacity: _____ ☐ tons or ☐ X yds³

Estimated lifetime: 55 years

Estimated days open per year: 252 days

Estimated yearly disposal volume: _____ ☐ tons or ☐ X yds³

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Taymouth Landfill, Saginaw County

County: Saginaw Location: Town: 10 Range: 5E Section(s): 15

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Republic Services of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input type="checkbox"/> open	residential
<input checked="" type="checkbox"/> closed	commercial
<input type="checkbox"/> licensed	industrial
<input type="checkbox"/> unlicensed	construction & demolition
<input type="checkbox"/> construction permit	contaminated soils
<input type="checkbox"/> open, but closure	special wastes *
<input type="checkbox"/> pending	other: _____

* Explanation of special wastes, including a specific list and/or conditions: asbestos

Site Size:

Total area of facility property:	<u>0</u> acres
Total area sited for use:	<u>0</u> acres
Total area permitted:	<u>0</u> acres
Operating:	<u>0</u> acres
Not excavated:	<u>0</u> acres
<input checked="" type="checkbox"/> Current capacity:	<u>0</u> tons or <u>X</u> yds ³
Estimated lifetime:	<u>0</u> years
Estimated days open per year:	<u>0</u> days
<input checked="" type="checkbox"/> Estimated yearly disposal volume:	<u>0</u> tons or <u>X</u> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Peoples Landfill

County: Saginaw Location: Town: 10N Range: 5E Section(s): 15

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

Public ☒ Private Owner: Waste Management of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/>	open	<input checked="" type="checkbox"/>	residential
<input type="checkbox"/>	closed	<input checked="" type="checkbox"/>	commercial
<input checked="" type="checkbox"/>	licensed	<input checked="" type="checkbox"/>	industrial
<input type="checkbox"/>	unlicensed	<input checked="" type="checkbox"/>	construction & demolition
<input type="checkbox"/>	construction permit	<input checked="" type="checkbox"/>	contaminated soils
<input type="checkbox"/>	open, but closure	<input checked="" type="checkbox"/>	special wastes *
<input type="checkbox"/>	pending	<input checked="" type="checkbox"/>	Other: _____

* Explanation of special wastes, including a specific list and/or conditions: Asbestos, soil, sludge, ash

Site Size:

Total area of facility property:	<u>163</u>	acres
Total area sited for use:	<u>110</u>	acres
Total area permitted:	<u>29.1</u>	acres
Operating:	<u>2</u>	acres
Not excavated:	<u>100</u>	acres
Current capacity:	<u>5,301,641</u>	X tons or __ yds ³
Estimated lifetime:	<u>20</u>	years
Estimated days open per year:	<u>254</u>	days
Estimated yearly disposal volume:	<u>1000</u>	X tons or __ yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: 3.2 megawatts (Combined with Taymouth)

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Saginaw Valley Landfill

County: Saginaw Location: Town: 11N Range: 3E Section(s): 1

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: **Waste Management**

Operating Status (check) Waste Types Received (check all that apply)

<input type="checkbox"/>	open	residential
<input checked="" type="checkbox"/>	closed	commercial
<input type="checkbox"/>	licensed	industrial
<input type="checkbox"/>	unlicensed	construction & demolition
<input type="checkbox"/>	construction permit	contaminated soils
<input type="checkbox"/>	open, but closure	special wastes *
<input type="checkbox"/>	pending	other: _____

* Explanation of special wastes, including a specific list and/or conditions: Sludge, ash

Site Size:

Total area of facility property:	<u>84.25</u>	acres
Total area sited for use:	<u>0</u>	acres
Total area permitted:	<u>0</u>	acres
Operating:	<u>0</u>	acres
Not excavated:	<u>0</u>	acres
Current capacity:	_____	tons or _____ yds ³
Estimated lifetime:	<u>0</u>	years
Estimated days open per year:	<u>0</u>	days
Estimated yearly disposal volume:	<u>0</u>	tons or _____ yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Northern Oaks Landfill

County: Clare Location: Town: 19 Range: 4 Section(s): 32

Map identifying location included in Attachment Section: Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Waste Management of Michigan, Inc.

Operating Status (check) Waste Types Received (check all that apply)

<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, but closure	<input checked="" type="checkbox"/> special wastes *
<input type="checkbox"/> pending	<input type="checkbox"/> other: _____

* Explanation of special wastes, including a specific list and/or conditions: WWTP filter cake, sludge

Site Size:

Total area of facility property: 480 acres

Total area sited for use: 76 acres

Total area permitted: 76 acres

Operating: 19 acres

Not excavated: 57 acres

Current capacity: 17,014,000 tons or X yds³

Estimated lifetime: 37.6 years

Estimated days open per year: 260 days

Estimated yearly disposal volume: 409,000 tons or X yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Brent Run Landfill

County: Genesee Location: Town: 9N Range: 5E Section(s): 23

Map identifying location included in Attachment Section: Yes X No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

 Public X Private Owner: Republic Services of Michigan, Inc.

Operating Status (check)		Waste Types Received (check all that apply)	
<u>X</u>	open	<u>X</u>	residential
<u> </u>	closed	<u>X</u>	commercial
<u>X</u>	licensed	<u>X</u>	industrial
<u> </u>	unlicensed	<u>X</u>	construction & demolition
<u> </u>	construction permit	<u>X</u>	contaminated soils
<u> </u>	open, but closure	<u>X</u>	special wastes *
<u> </u>	pending	<u>X</u>	other: <u>yard waste</u>

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 370 acres

Total area sited for use: 243.17 acres

Total area permitted: 106.47 acres

Operating: 38.91 acres

Not excavated: 67.56 acres

Current capacity: 11,050,000 tons or X yds³

Estimated lifetime: 22.1 years

Estimated days open per year: 386 days

Estimated yearly disposal volume: 500,000 tons or X yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Transfer Station

Facility Name: Hampton Township Transfer Station

County: Bay Location: Town: 17N Range: 4E Section(s): 7

Map identifying location included in Attachment Section: Yes X No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:
Whitefeather Landfill, Bay County

X Public Private Owner: **Hampton Township**

Operating Status (check) Waste Types Received (check all that apply)

<u>X</u>	open	<u>X</u>	residential
<u> </u>	closed		<i>commercial</i>
<u>X</u>	licensed		industrial
<u> </u>	unlicensed		construction & demolition
<u> </u>	construction permit		contaminated soils
<u> </u>	open, but closure		special wastes *
<u> </u>	pending	<u>X</u>	other: <u>yard waste</u>

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 6 acres

Total area sited for use: acres

Total area permitted: acres

Operating: acres

Not excavated: acres

Current capacity: NA tons or X yds³

Estimated lifetime: NA years

Estimated days open per year: 310 days

Estimated yearly disposal volume: tons or X yds³

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION:

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

Solid waste is collected and transported by primarily one hauler in Bay County, City Environmental Services. The selected system expects this hauler to remain the primary hauler for the anticipated future. Haulers and services are based on municipal contracts and/or individual contracts, negotiated on a municipal level. Future services and arrangements cannot be predicted.

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 for each effort to be used, if possible. Since conservation efforts are provided voluntarily and change with technologies and public awareness, it is not this Plan update's intention to limit the efforts to only what is listed. Instead citizens, businesses, and industries are encouraged to explore the options available to their lifestyles, practices, and processes which will reduce the amount of materials requiring disposal.

Effort Description	Est. Diversion Tons/Yr		
	Current	5th yr	10th yr
Commercial diversion--(no reliable estimates available)	-----	-----	-----
Community recycling - curbside (includes yard waste where collected)	2,224	2,446	2,691
Community recycling - drop off	-----	-----	-----
Community composting-- City of Bay City only	450	495	545
Industrial (no reliable estimates available)	-----	-----	-----

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

The majority of opportunity to divert waste from landfills is in the form of yard wastes. Bay County is primarily rural in nature, outside of Bay City itself. Many people compost on their own land, limiting the amount of yard waste available for diversion from landfills.

WASTE REDUCTION, RECYCLING, & COMPOSTING PROGRAMS:

Volume Reduction Techniques

The following describes the techniques utilized and proposed to be used throughout the County which reduces the volume of solid waste requiring disposal. The annual amount of landfill air space not used as a result of each of these techniques is estimated. 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. Documentation explaining achievements of implemented programs or expected results of proposed programs is attached.

Technique Description	Estimated Air Space Conserved Yds/Yr.		
	Current	5th Yr.	10th Yr.
Composting	2,500	2,500	2,500
Recycling (Converting 4.5 yards per ton)	10,008	11,009	12,110
Compaction at the collection point in the truck (We are using an estimate of 7:1, with a conversion of 3:1 yards to tons)	102,430	105,503	108,668
Compaction at the landfill (We are using an estimate of 6:1, with a conversion of 3:1, yards to tons)	119,502	123,087	126,779

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

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.

X Recycling programs within the County are feasible. Details of existing and planned programs are included on the following pages.

☐ Recycling programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

X Composting programs within the County are feasible. Details of existing and planned programs are included on the following pages.

Composting programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:

X Programs for source separation of potentially hazardous materials are feasible and details are included on the following pages.

☐ Separation of potentially hazardous materials from the County's waste stream has been evaluated and it has been determined that it is not feasible to conduct any separation programs because of the following:

RECYCLING AND COMPOSTING

The following is a brief analysis of the recycling and composting programs selected for the County in this Plan. Additional information on operation of recycling and composting programs is included in Appendix A. The analysis covers various factors within the County and the impacts of these factors on recycling and composting. Following the written analysis the tables on pages III-21 through III-23 list the existing recycling, composting, and source separation of hazardous materials programs that are currently active in the County and which will be continued as part of this Plan. The second group of three tables on pages III-24 through III-26 list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

TABLE III-1

RECYCLING:

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or Private</u>	<u>Collection Point³</u>	<u>Collection Frequency⁴</u>	<u>Materials Collected⁵</u>	<u>Program Management Responsibilities²</u>		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Recycling	Auburn City	public	c	b	A,B,C,E,F City	City	City	City
Recycling	Bangor Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Bay City	public	c	b	A,B,C,E,F City	City	City	Twp.
Recycling	Beaver Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Essexville City	public	c	b	A,B,C,E,F City	City	City	City
Recycling	Frankenlust Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Fraser Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
None	Garfield Township	--	-	-	-----	----	----	----
None	Gibson Township	--	-	-	-----	----	----	----
Recycling	Hampton Township	public	c	b	A,B,C,D,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Kawkawlin Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Merritt Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Monitor Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
None	Mount Forest Township	--	-	-	-----	----	----	----
Recycling	Pinconning City	public	c	b	A,B,C,E,F City	City	City	City
Recycling	Pinconning Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Portsmouth Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.
Recycling	Williams Township	public	c	b	A,B,C,E,F Twp.	Twp.	Twp.	Twp.

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = on site; and if other, explained.

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

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

TABLE III-2

COMPOSTING:

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or</u>	<u>Collection</u>	<u>Collection</u>	<u>Materials</u>	<u>Program Management Responsibilities²</u>		
		<u>Private</u>	<u>Point³</u>	<u>Frequency⁴</u>	<u>Collected⁵</u>	<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Yard Waste	City of Bay City	public	c	b	G,L	3	3	3
Christmas Tree composting	City of Bay City	public	c	Wi	Trees	3	3	3 Yard
Yard Waste	City of Auburn	public	c	Wi	Trees	3	3	3 Yard
Yard Waste	City of Pinconning	public	c	Wi	Trees	3	3	3 Yard
Yard Waste	Hampton Township	public	c	Wi	G,L,Trees	3	3	3 Yard

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

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = on site; and if other, explained.

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

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page.

TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

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

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or</u>	<u>Collection</u>	<u>Collection</u>	<u>Materials</u>	<u>Program Management Responsibilities²</u>		
		<u>Private</u>	<u>Point³</u>	<u>Frequency⁴</u>	<u>Collected⁵</u>	<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Household Hazardous Waste	Bay County	public	d	Periodic	B1,B2,C,H,P,PS,PH,OT			
Agricultural	Bay County	public	d	Periodic	PS			
Automotive Batteries	Bay County	private	d	d	B1	5	5	5
Motor Oil	Bay County	private	d	d	U	5	5	5
White goods, heavy metals	Bay County	private	d	d	OT	5	5	5

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

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = on site; and if other, explained.

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

⁵ Identified by the materials collected by listing of the letter located by that material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil Filters; P = Paints and Solvents; PS = Pesticides and Herbicides; PH = Personal and Health Care Products; U = Used Oil; OT = Other Materials and identified.

TABLE III-4

PROPOSED RECYCLING:

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or Private</u>	<u>Collection Point³</u>	<u>Collection Frequency⁴</u>	<u>Materials Collected⁵</u>	<u>Program Management Responsibilities²</u>		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Deposit Bottle Collection	Bay County	Private	d	m	bottles	5	5	5
Newsprint collection	Bay County	Private	d	m	newsprint	5	5	5

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

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = on site; and if other, explained.

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

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

TABLE III-5

PROPOSED COMPOSTING.

<u>Program Name,</u> <u>None</u>	<u>Service Area¹</u>	<u>Public or</u> <u>Private</u>	<u>Collection</u> <u>Point³</u>	<u>Collection</u> <u>Frequency⁴</u>	<u>Materials</u> <u>Collected⁵</u>	<u>Program Management Responsibilities²</u>		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>

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

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = on site; and if other, explained.

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

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page.

TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Paint Can recycling	Bay County	Private	d	m	paint cans	5	5	5

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

¹ Identified by where the program will be offered. If throughout the planning area, then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page); 5 = Private Owner/Operator; 6 = Other (Identified on page).

³ Identified by c = curbside; d = drop-off; o = onsite; and if other, explained.

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

⁵ Identified by the materials collected by listing of the letter located by that material type. AR = Aerosol Cans; A = Automotive Products except Used Oil, Oil Filters & Antifreeze; AN = Antifreeze; B1 = Lead Acid Batteries; B2 = Household Batteries; C = Cleaners and Polishers; H = Hobby and Art Supplies; OF = Used Oil Filters; P = Paints and Solvents; PS = Pesticides and Herbicides; PH = Personal and Health Care Products; U = Used Oil; OT = Other Materials and identified.

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

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

Environmental Groups:

None

Other:

Dow Chemical Company, Household Hazardous Waste collection

Michigan Department of Agriculture, Clean Sweep pesticide collection

PROJECTED DIVERSION RATES:

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

<u>Collected Material:</u> <u>Diverted:</u>	<u>Projected Ann. Tons Diverted:</u>			<u>Collected Material:</u>	<u>Projected Ann. Tons</u>		
	Current	5th Yr	10th Yr		Current	5th Yr	10th Yr
A TOTAL PLASTICS:	42 14	46 35	50 99	G GRASS AND LEAVES:	54 18	55 00	55 00
B NEWSPAPER:	30 1	33 11	36 42	H TOTAL WOOD WASTE:	NA	NA	NA
C CORRUGATED CONTAINERS:	NA	NA	NA	I CONSTRUCTION AND DEMOLITION:	21 07	23 18	25 49
D TOTAL OTHER PAPER:	9 03	9 93	10 93	J FOOD AND FOOD PROCESSING:	54 18	54 18	54 18
E TOTAL GLASS:	18 06	19 87	21 85	K TIRES:	NA	NA	NA
F OTHER MATERIALS:	36 12	36 12	36 12	L TOTAL METALS:	36 12	39 73	43 71

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

All recyclable materials are sold to the secondary market. We have no information as a county on the market availability.

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

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

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

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

<u>Program Topic</u> ¹	<u>Delivery Medium</u> ²	<u>Targeted Audience</u> ³	<u>Program Provider</u> ⁴
1,2,3,4,5	r,t,n	p,b	DPA
1,2,3,4,5	w,e	s (K-6)	

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

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

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

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

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

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

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

TABLE III-7

Management Components	Timeline
Solid Waste collection, municipalities	ongoing
Recycling, municipalities	ongoing
Composting, municipalities	ongoing
Educational programs, ISD	2000-2005
Source separation, Dow, MDA, private organizations	ongoing

NOT APPLICABLE - ADEQUATE SPACE FOR ESTIMATED WASTE GENERATION IS CERTIFIED IN THIS PLAN

See page III-7, the facility description of Whitefeather Landfill. This landfill has 4,175,153 yards of capacity or 18.8 years of capacity alone. Bay County requires 120,968 tons of disposal capacity, or roughly 362,904 cubic yards per year. This is 11.5 years, assuming that all Bay County Waste is disposed of in this landfill. The County has access to at least 5 other landfills, totaling 24,543,741 cubic yards of capacity or an additional 203 years of capacity.

SITING REVIEW PROCEDURES

AUTHORIZED DISPOSAL AREA TYPES

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

SITING CRITERIA AND PROCESS

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

SOLID WASTE MANAGEMENT COMPONENTS¹

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

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 - Private business and industry

Product Reuse - Private business and industry

Reduced Material Volume - None

Increased Product Lifetime - None

Decreased Consumption - None

Resource Recovery Programs:

Composting - City of Bay City composting and Christmas tree collection, City of Pinconning yard waste, City of Auburn yard waste, Hampton Township yard waste.

Recycling - individual municipalities

Energy Production - None

Volume Reduction Techniques:

None

Collection Processes:

Private waste haulers and individual municipalities

Transportation:

Private waste haulers and individual municipalities

¹ Components or subcomponents may be added to this table.

Disposal Areas:

Processing Plants - None

Incineration - None

Transfer Stations - Hampton Township

Sanitary Landfills - Private operators

Ultimate Disposal Area Uses:

Private disposal operators

Local Responsibility for Plan Update Monitoring & Enforcement:

Townships, Cities and other entities that may contract for waste services

Educational and Informational Programs:

Voluntarily produced in schools.

Designated Planning Agency working with Local environmental organizations.

The management responsibilities for the selected solid waste system are primarily controlled by the Townships and Cities through their waste hauling, recycling and disposal contract with waste operators. Similarly, industrial and commercial entities are responsible for the management of their waste through contractual arrangements or internal recycling, reuse and waste reduction methods. There are no specific institutional arrangements required by the selected system. As such, documentation of acceptance of responsibilities is not contained in Appendix D but exists by virtue of current contracts and waste management practices throughout the county.

LOCAL ORDINANCES AND REGULATIONS AFFECTING SOLID WASTE DISPOSAL

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

- ☐ 1. Section 11538.(8) and rule 710 (3) of Part 115 prohibits enforcement of all County and local ordinances and regulations pertaining to solid waste disposal areas unless explicitly included in an approved Solid Waste Management Plan. Local regulations and ordinances intended to be part of this Plan must be specified below and the manner in which they will be applied described.
- ☐ 2. This Plan recognizes and incorporates as enforceable the following specific provisions based on existing zoning ordinances:
- A. Geographic area/Unit of government:
Type of disposal area affected:
Ordinance or other legal basis:
Requirement/restriction:
- X 3. This Plan authorizes adoption and implementation of local regulations governing the following subjects by the indicated units of government without further authorization from or amendment to the Plan.

The local regulations may include the following subjects and may be adopted by any municipality in the County. Regulations meeting these qualifications may be adopted and implemented by the appropriate governmental unit without additional authorization from, or formal amendment to, the Solid Waste Management Plan

Allowable areas of local regulation include:

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

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.

See page III-7, the facility description of Whitefeather Landfill. This landfill has 4,175,153 yards of capacity or 18.8 years of capacity alone. Bay County requires 120,968 tons of disposal capacity, or roughly 362,904 cubic yards per year. This is 11.5 years, assuming that all Bay County Waste is disposed of in this landfill. The County has access to at least 5 other landfills, totaling 24,543,741 cubic yards of capacity or an additional 203 years of capacity.

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

APPENDIX

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.

No additional information is provided.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

We do not know what types and/or volumes of recyclable material are available in the waste stream. A waste characterization study has not been done for Bay County; however, we can make estimates using national averages for rural areas. Using these figures, we estimate a theoretical amount of the following types and amount of materials are available. These figures assume a overall waste generation rate of 3 pounds per person per day. These figures do not take into account any industrial or commercial waste generation or recycling, as this is done outside of the management of the planning agency and overall goals of the county for solid waste handling.

Paper	- 39.40 tons per year
Glass	- 18.06 tons per year
Metal	- 36.12 tons per year
Plastics	- 42.14 tons per year
Food waste	- 54.18 tons per year
Yard waste	- 54.18 tons per year

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

Bay County's selected solid waste handling system does not include getting involved in the equipment selection or location of existing or proposed recycling programs. Recycling opportunities are planned to be increased, but these locations and equipment used will be selected by the Townships and Cities involved and the waste hauler with whom the contract is signed.

Equipment Selection - Not Applicable

Site Availability & Selection - Not Applicable

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.

No formal composting operations are included as part of the selected solid waste management system. Existing yard waste management programs are operated on a very small scale. Product is used locally or for municipal use only.

Existing Programs:

<u>Program Name:</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
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Proposed Programs:

<u>Program Name</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
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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.

Several coordination efforts are planned for the selected solid waste management system. These include regionally based recycling opportunities through drop-off sites and soliciting a heavy metal collection contractor. This coordination will take place among townships and cities, encouraged by the County.

Townships and cities may also coordinate contracting efforts in areas where the population base can support a trash and/or recycling collection contract, even when it crosses township boundaries.

Educational programs will be coordinated county-wide through a proposed school program. Other educational efforts are planned through public television and radio.

COSTS & FUNDING:

The following estimates the necessary management, capital, 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 Component¹	Estimated Costs	Potential Funding Sources
<u>Resource Conservation Efforts</u>	Not available	Not available
<u>Resource Recovery Programs</u>	Not available	User fees
<u>Volume Reduction Techniques</u>	Not available	Private industry is the leader in this area in the County
<u>Collection Processes</u>	Not available	Townships, cities and other populated areas
<u>Transportation</u>	Not available	Townships, cities and other populated areas
<u>Disposal Areas</u>	Not available	Republic Services of Michigan, Inc. and other landfill owners to which Bay County waste is transported
<u>Future Disposal Area Uses</u>	Not available	Republic Services of Michigan, Inc. and other landfill owners to which Bay County waste is transported.
<u>Management Arrangements</u>	Not available	Not available
<u>Educational & Informational Programs</u>	Not available	Voluntarily produced in schools. Designated Planning agency working with local environmental organizations will be responsible for public education through television and radio

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

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

The solid waste management system has been evaluated for anticipated positive and negative impacts on the public health, economics, environmental conditions, siting considerations, existing disposal areas, 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:

Waste reduction, pollution prevention, resource conservation, resource recovery, volume reduction, sanitary landfilling, collection processes, transportation, ultimate disposal area uses, institutional arrangements and recycling and composting programs were discussed as they do or do not exist now for each alternative. These factors were used to rank each alternative, although a formal ranking system was not used. Bay County does not require a formal or complicated ranking or evaluation system due to the largely rural nature, well operating systems for waste management and highly successful waste reduction, composting and recycling programs in the population centers and some rural areas. The County did, however, review each of these solid waste management components when considering each alternative.

The selected solid waste management alternative is a combination of two approaches. First we would recommend maintaining the current system of solid waste hauling and disposal efforts, as they are operating well and can expand easily to cover households that currently do not contract for hauling services. Changes in this system that we recommend include additional efforts at diverting recyclable and reusable materials from the waste stream through three main methods:

- Establish more frequent and diverse household hazardous collection programs. These need to be well publicized and include a variety of household items. These should be located throughout the county as well and be on a staggered schedule.
- Yard waste and composting options should be better publicized, and expanded where possible.
- Commercial and industrial diversion is going very well. Successful efforts should be advertised and used as examples for other commercial operations where applicable.

This alternative stresses increasing public awareness of recycling, reuse and composting alternatives, identifying households in a more consistent manner to improve the efficiency of the current waste hauling system and decreasing open burning. This is the selected solid waste management system.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM:

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

ADVANTAGES:

1. This system is easy to use.
2. There is well over sufficient landfill capacity.
3. There is public acceptance.
4. People can reasonably be expected to adhere to the selected system.
5. No significant changes.
6. Economically feasible.
7. No siting considerations.

DISADVANTAGES:

1. Still some trash burning by residents.

NON-SELECTED

SYSTEMS

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

SYSTEM COMPONENTS:

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

RESOURCE CONSERVATION EFFORTS:

No alternative systems were identified.

VOLUME REDUCTION TECHNIQUES:

No alternative systems were identified.

RESOURCE RECOVERY PROGRAMS:

A curb side pick up was discussed for each Bay County resident. All newspaper, plastics and metals would be set out monthly at the curb and a selected hauler would pick up all materials. In Bay County this was deemed ineffective due to the sparse distribution of residents in the rural areas.

COLLECTION PROCESSES:

TRANSPORTATION:

No change from the selected system.

DISPOSAL AREAS:

With an existing landfill within the County it did not make sense to look elsewhere within the County for a new waste facility. There is ample landfill space in the counties named in the Plan to handle Bay County's waste for the next 10 years and beyond.

INSTITUTIONAL ARRANGEMENTS:

There are no institutional arrangements that we know of.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Currently and in each of the nonselected systems, there were no educational or informational programs specified.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

No costs have been estimated because all contracts and decisions are made at the local level and the nonselected systems were unreasonably expensive.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

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

The nonselected systems were largely evaluated as inefficient and unreasonably expensive for the anticipated increase in recycling or volume reduction. As a rural, sparsely populated county, both the selected and nonselected systems are simplistic and straightforward. They are directed more by the private sector than public and the waste collection, transport and disposal systems operates most efficiently this way.

ADVANTAGES AND DISADVANTAGES OF THE NON-SELECTED SYSTEM:

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. Single source hauling is easy to work with.
2. Curbside recycling to every resident would produce greater participation.
3. Increase recycling participation.

DISADVANTAGES:

1. Curbside recycling to all residents too expensive.
2. Decrease in waste generation and disposal is minimal from this system.

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.

The Solid Waste Planning Committee members were appointed at a meeting of the Bay County Board of Commissioners, held on April 14, 1998. The Solid Waste Planning Committee approved the draft plan at a meeting held on January 7, 1999. a copy of the public notice of each Solid Waste Planning Committee meeting is included. The Bay County Board of Commissioners approved the Solid Waste Plan on _____ The date each municipality approved the Plan is listed below:

<u>Municipality</u>	<u>Date</u>
Auburn City	
Bangor Township	
Bay City	
Beaver Township	
Essexville City	
Frankenlust Township	
Fraser Township	
Garfield Township	
Gibson Township	
Hampton Township	
Kawkawlin Township	
Merritt Township	
Monitor Township	
Mount Forest Township	
Pinconning City	
Pinconning Township	
Portsmouth Township	
Williams Township	

The Bay County Environmental Affairs Office is responsible for publishing public notices and carrying out reciprocal agreement negotiations and procurement.

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

The Solid Waste Committee appointments were made by the Bay County Board of Commissioners.

Members of the solid waste industry were solicited by letter from the chair of the Bay County Board of Commissioners on December 18, 1997. They were selected to represent each waste industry operating in the county. Members of industrial waste generators were solicited by letter from the chair as well on December 18, 1997. The representative of an industrial waste generator was chosen from the top three waste generators in the county. Environmental interest groups, the regional planning agency, the township representative and the city representative were solicited in a similar manner by letter dated December 18, 1997.

Members of the general public were solicited through an ad in the Bay City Times. The representative from County government was selected by the Board of Commissioners as the commissioner in whose district the landfill resides

A copy of the history of appointments to the committee follows.

**HISTORY OF APPOINTMENTS
TO
SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE**

11/12/97 Adoption of Resolution No. 97-278 - Notice of Intent - Solid Waste Management Plan Update

11/12/97 Adoption of Resolution No. 97-290 - Solid Waste Management Plan Update/Authorization for Board Chairman to Appoint Committee

12/18/97 Solicitations Seeking Candidates for Appointment to Solid Waste Management Plan Update Committee sent to:

A. Solid Waste Management Industry - 4 representatives to be appointed:

1. City Environmental Services of Mid-Michigan (Letter returned unopened - 'Forwarding Order Expired')
2. Rainbow Services
3. Tri County Refuse Services, Inc.
4. Waste Management
5. Whitefeather Landfill

B. Environmental Interest Groups - 2 representatives to be appointed:

1. Lone Tree Council
2. Michigan United Conservation Clubs

C. Regional Solid Waste Planning Agency - I representative:

1. East Central Michigan Planning and Development Region

D. Industrial Waste Generator - 1 representative:

1. Consumers Energy
2. General Motors Corporation

E. Township Government - 1 representative:

1. Township Officers Association

F. City Government - 1 representative:

1. Bay City Commission

G. County Government - 1 representative:

1. County Commission

H. General Public - 3 representatives:

1. Notices (2) in 'Bay Briefing' column of Bay City Times

Requests/Recommendations for Appointment to Solid Waste Management Plan Update Committee received from:

A. Solid Waste Management Industry

1. Terry Cooney - City Environmental Services, Inc. of Mid-Michigan
2. Kim Short - Brent Run, Inc. (Whitefeather Landfill)
3. Jeff Tucker - Tri County Refuse Service, Inc.
4. Noreen Pratscher - Waste Management of Central Michigan
5. Dave Andrews - Waste Management of Central Michigan
6. Larry L. Fairchild - Fairchild Waste Control
7. Dale R. Johnson, Rainbow Services

B. Environmental Interest Groups

1. Carl Reinke - Michigan United Conservation Clubs
2. Sue Boies - Lone Tree Council

C. Regional Solid Waste Planning Agency

1. Sue Fortune - East Central Michigan Planning and Development Region

D. Industrial Waste Generator

1. Susan Hewitt - Consumers Energy

E. Township Government

1. Robert Pawlak - Portsmouth Township
2. Mary Kusterer - Pinconning Township

F. City Government

1. Ed Golson - City Environmental Coordinator

G. County Government

1. Edward L. Rivet, 4th District Commissioner
2. Richard L. Byrne, 1st District Commissioner

H. General Public

1. Leo Rokosz
 2. Judy Barber
 3. Leonard Chudde
-

4/14/98

Board Chairman Appointments to Solid Waste Management Plan Update Committee; Confirmed by Board of Commissioners (motion no.)

A. Solid Waste Industry (4)

1. Dale R. Johnson - Rainbow Services
2. Larry L. Fairchild - Fairchild Waste Control
3. Kim Short - Whitefeather Landfill
4. Jeff Tucker - Tri-County Refuse Services, Inc.

B. Environmental Interest Groups (2)

1. Carl Reinke - Michigan United Conservation Clubs
2. Sue Boies - Lone Tree Council

C. Regional Solid Waste Planning Agency (1)

1. Sue Fortune - East Central Michigan Planning and Development Region

D. Industrial Waste Generator (1)

1. Susan Hewitt - Consumers Energy

E. Township Government (1)

1. Mary Kusterer - Pinconning Township

F. City Government (1)

1. Edward Golson - City of Bay City - Environmental Coordinator

G. County Government (1)

1. Richard L. Byrne - 1st Commission District (**Designated as Committee Chair**)

H. General Public (3)

1. Leo Rokosz
2. Judy Barber
3. Leonard Cnudde

I. Committee Coordinator

1. Valerie Keib - Bay County Director of Environmental Affairs and Community Development

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Representing:	Names Submitted:	Appointed:
Solid Waste Management Industry - 4 representatives	Dale R. Johnson, Rainbow Services Larry L. Fairchild, Fairchild Waste Control Kim Short, Whitefeather Landfill Jeff Tucker, Tri-County Refuse Serv., Inc. Noreen Pratscher, Waste Management of Central MI Dave Andrews, Waste Management of Central MI Terry Cooney, City Environmental Services	Dale R. Johnson Larry L. Fairchild Kim Short Jeff Tucker
Environmental Interest Groups 2 representatives	Carl Reinke, Michigan United Conservation Clubs Sue Boies, Lone Tree Council	Carl Reinke Sue Boies
Regional Solid Waste Planning Agency 1 representative	Sue Fortune, East Central Michigan Planning and Development Region	Sue Fortune
Industrial Waste Generator 1 representative	Susan Hewitt, Consumers Energy	Susan Hewitt
Township - 1 representative	Robert J. Pawlak, Portsmouth Township Mary Kusterer, Pinconning Township	Mary Kusterer
City - 1 representative	Edward Golson, City Environmental Coordinator	Edward Golson
County - 1 representative	Richard L. Byrne, Planning Chair Edward L. Rivet, Ways and Means Chair	Richard L. Byrne Committee Chairman
General Public - 3 representatives	Leo Rokosz Judy Barber Leonard Cnudde	Leo Rokosz Judy Barber Leonard Cnudde
Committee Coordinator		Valerie Keib, Director Environmental Affairs

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. Jeff Tucker, Tri County Refuse Service, Inc.
2. Dale R. Johnson, Rainbow Waste Services
3. Kim Short, Whitefeather Landfill
4. Larry Fairchild, Fairchild Waste Control

One representative from an industrial waste generator:

1. Susan Hewitt, Karn/Weadock Annex

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

1. Sue Boies, Lone Tree Council
2. Carl Reinke, MUCC

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

1. Richard L. Byrne, County Commissioner

One representative from township government:

1. Mary Kusterer, Pinconning Township Trustee

One representative from city government:

1. Edward Golson, City of Bay City

One representative from the regional solid waste planning agency:

1. Sue Fortune, ECMPDR

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

1. Leo Rokosz
2. Judy Barber
3. Vacant

MEETING NOTICE

To: Solid Waste Management Plan Update Committee
From: Valerie Keib, Committee Coordinator
Date: April 21, 1998
Subject: **Committee Meeting: 4/30/98**

The first meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, April 30, 1998 @ 4:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

**Solid Waste Management Plan Update Committee
April 30, 1998, at 4:00 p.m.**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Chairperson Byrne
 - Introduction of Committee Members/Duties
 - Introduction of DPA (Environmental Affairs Coordinator)/duties
 - Review of Agenda (no formal actions/informational)
- IV. DPA - Reviews information distributed to committee members
 - DEQ Materials and Goals; Old Plan v. New Plan/New Requirements
 - Overall process/Steps
 - Major Plan Components (5-6)
- V. Questions/Answers Directed to Chair/DPA
- VI. Review Rough Suggested Timeline
- VII. Select Next Meeting Time
- VIII. Public Input
- IX. Miscellaneous
- X. Adjourn

THE APRIL 30TH MEETING WAS INFORMATIONAL. NO OFFICIAL BUSINESS WAS CONDUCTED. COMMISSIONER RICHARD BYRNE ACTED AS THE TEMPORARY CHAIRPERSON FOR THIS MEETING. THE CURRENT SOLID WASTE MANAGEMENT PLAN FOR BAY COUNTY, GUIDELINES AND JUNE 13 1997 CORRESPONDENCE FROM THE MDEQ WERE DISTRIBUTED TO COMMITTEE MEMBERS. THE PROCESS FOR COMPLETING THE PLAN WAS REVIEWED BY THE COMMITTEE. THE NEXT MEETING WAS SCHEDULED TENTATIVELY FOR MAY 28 AT 4:00 PM.

THERE WAS NO PUBLIC INPUT RECEIVED. THE MEETING ADJOURNED AT 5:00 PM.

THOSE IN ATTENDANCE:

SUSAN HEWITT
JEFF TUCKER
LEN CNUDD
LARRY L. FAIRCHILD
MARY KUSTERER
KIM SHORT
SUE BOIES
VALERIE KEIB (DPA)
RICHARD BYRNE
ED GOLSON
CARL REINKE

EXCUSED: SUE FORTUNE

SUGGESTED PROCEDURES:

REQUEST ALL COMMENTS FROM ORGANIZATIONS AND MUNICIPALITIES BE SUBMITTED IN WRITING WITH A RESOLUTION FROM GOVERNING BODY OR WITH SIGNATURE OF SENIOR ORGANIZATION REPRESENTATIVE.

USE STANDARD RULES OF ORDER FOR CONDUCT OF MEETINGS.

RECORD MINUTES ON TAPE IF POSSIBLE; PUBLISH MINUTES IN ACCORDANCE WITH OPEN MEETINGS ACT.

CONDUCT MEETINGS WITH A ONE-HOUR MEETING IN MIND.

MEET MONTHLY, _____, OR BY RESOULTION OR SPECIAL MEETING.

FOLLOW CURRENT AGENDA FORMAT.

DEPARTMENT OF ENVIRONMENTAL
AFFAIRS AND COMMUNITY DEVELOPMENT

VALERIE KEIB, DIRECTOR

ENVIRONMENTAL AFFAIRS
GEOGRAPHIC INFORMATION SYSTEMS
GYPSY MOTH SUPPRESSION
HOUSING & COMMUNITY DEVELOPMENT
MOSQUITO CONTROL
PLANNING
SOIL EROSION
TRANSPORTATION PLANNING



BAY COUNTY

THOMAS L. HICKNER
COUNTY EXECUTIVE

(517) 895-4135
Fax (517) 895-4068
TDD (517) 895-4049

SOLID WASTE PLANNING (SWMP) UPDATE

May 18, 1998

Attention Local Municipal Officials and Interested Parties:

The Bay County Solid Waste Management Planning Committee will be holding its first official meeting on **Thursday, May 28, 1998 at 3:15 p.m.** at the second floor Board of Commissioners Chambers in the County Building located at 515 Center Avenue in Bay City, Michigan.

Bay County has appointed this committee in accordance with state law. This committee will follow state-approved guidelines in updating the approximately ten-year-old plan. The focus of the process will be composting and recycling, reduction of the waste stream, and long-term capacity planning. This plan will be provided in draft form to the public for review and comment, and will, later in the process, be presented to each municipality for a formal vote of approval. Further detail can be provided on request by contacting my office.

The meetings are approximately one hour in length. Topics for discussion and action at the upcoming meeting are: election of chairperson and other officers, if any; adoption of scheduled meeting times; adoption of agenda formats and committee procedures; review of current legislative activity at the state level; and discussion of the tasks and priorities for this committee in preparing the update to the current plan. Public comment is on the agenda.

These meetings are open to the public. We currently hope to hold these meetings regularly in the afternoons of the last Thursday of each month. You will be sent a notice prior to each meeting. Please contact me with any questions you may have at (517) 895-4196. Any and all information regarding the update is available for inspection if requested.

Best regards,

cc: Tom Hickner

Valerie Keib, Director
Environmental Affairs & Community
Development
Designated Planning Agent for SWMP

MEETING NOTICE

To: Solid Waste Management Plan Update Committee
From: Valerie Keib, Committee Coordinator *JK*
Date: May 27, 1998
Subject: Committee Meeting: 5/28/98

The first meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, May 28, 1998 @ 3:15 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from May 28, 1998 meeting held at 3:15 p.m. at the Bay County Building.

Attendance: Richard Byrne, Larry Fairchild, Kim Short, Jeff Tucker, Carl Reinke
Sue Boies, Susan Hewitt, Mary Kusterer, Leo Rokosz, Leonard Crudde, and
Valerie Keib

Excused: Dale Johnson, Sue Fortune, Edward Golson

Absent: Judy Barber

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:15 p.m. and roll call was taken by Valerie Keib.

Election of Officers - The following were elected to the Solid Waste Management Plan Update Committee:

Chairman: Richard Byrne

Vice-Chairman: Mary Kusterer

Secretary: Susan Hewitt

Information Review

Meeting Procedure Guidelines: Valerie Keib proposed, and it was accepted by the Committee, to follow the below listed guidelines:

- Request all comments from organizations and municipalities be submitted in writing with a resolution from governing body or with signature of senior organization representative.
- Use standard rules of order for conduct of meetings
- Record minutes on tape if possible; publish minutes in accordance with open meetings act.
- Conduct meetings with an one hour meeting in mind.
- Meet monthly, on the last Thursday of the month, or by resolution or special meeting.
- Follow current agenda format.

Preliminary Action Items and Time line

Valerie Keib reviewed with the Committee a list of preliminary action items and a proposed time line for completion of those action items. (Attachment #1) It was agreed to by the Committee to try and complete action items according the proposed time line.

Also discussed by Valerie Keib is the need to collect information on what transporters landfills are using in Bay County and what other counties we are in agreement with to import and export solid waste. Committee members with information are to submit their information to Valerie Keib so a preliminary report can be put together before the June 25, 1998 meeting.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, June 25, 1998 and 3:15 p.m. in the Bay County Building.

Any Committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance.

Meeting Adjourned

The meeting was adjourned at 4:05 p.m..

**Solid Waste Management Plan Update Committee
May 28, 1998, at 3:15 p.m.**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Commissioner Byrne
 - Review of Agenda (no formal actions/informational)
 - Election of Chairperson for Committee
- IV. DPA - Reviews information distributed to committee members
 - Review suggested meeting schedule, timelines
 - Review suggested procedural guidelines - vote on adoption
 - Review info available on solid waste transportation
 - Review action steps for committee
- V. Questions/Answers Directed to Chair/DPA
- VI. Select Next Meeting Time
- VII. Public Input
- VIII. Miscellaneous
- IX. Adjourn

MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: June 24, 1998

Subject: Committee Meeting: 6/25/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, June 25, 1998 @ 3:15 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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**cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski**

DEPARTMENT OF ENVIRONMENTAL
AFFAIRS AND COMMUNITY DEVELOPMENT

VALERIE KEIB, DIRECTOR

ENVIRONMENTAL AFFAIRS
GEOGRAPHIC INFORMATION SYSTEMS
GYPSY MOTH SUPPRESSION
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BAY COUNTY

THOMAS L. HICKNER
COUNTY EXECUTIVE

(517) 895-4135
FAX (517) 895-4068
TDD (517) 895-4049

**Solid Waste Management Plan Update Committee
June 25, 1998, at 3:15 p.m.**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Other
- V. DPA - Reviews information distributed to committee members
 - Review preliminary draft of database information
 - Review action steps for committee prior to August meeting (No July meeting will be held)
- VI. Questions/Answers Directed to Chair/DPA
- VII. Select Next Meeting Time
- VIII. Public Input
- IX. Miscellaneous
- X. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from May 28, 1998 meeting held at 3:15 p.m. at the Bay County Building.

Attendance: Richard Byrne, Larry Fairchild, Kim Short, Jeff Tucker, Carl Reinke
Sue Boies, Susan Hewitt, Mary Kusterer, Leo Rokosz, Leonard Cnudde, and
Valerie Keib

Excused: Dale Johnson, Sue Fortune, Edward Golson

Absent: Judy Barber

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:15 p.m. and roll call was taken by Valerie Keib.

Election of Officers - The following were elected to the Solid Waste Management Plan Update Committee:

Chairman: Richard Byrne
Vice-Chairman: Mary Kusterer
Secretary: Susan Hewitt

Information Review

Meeting Procedure Guidelines: Valerie Keib proposed, and it was accepted by the Committee, to follow the below listed guidelines:

- Request all comments from organizations and municipalities be submitted in writing with a resolution from governing body or with signature of senior organization representative.
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- Conduct meetings with an one hour meeting in mind.
- Meet monthly, on the last Thursday of the month, or by resolution or special meeting.
- Follow current agenda format

Preliminary Action Items and Time line

Valerie Keib reviewed with the Committee a list of preliminary action items and a proposed time line for completion of those action items. (Attachment #1) It was agreed to by the Committee to try and complete action items according the proposed time line.

Also discussed by Valerie Keib is the need to collect information on what transporters landfills are using in Bay County and what other counties we are in agreement with to import and export solid waste. Committee members with information are to submit their information to Valerie Keib so a preliminary report can be put together before the June 25, 1998 meeting.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, June 25, 1998 and 3:15 p.m. in the Bay County Building.

Any Committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance.

Meeting Adjourned

The meeting was adjourned at 4:05 p.m.

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the June 25, 1998 meeting held at 3:15 p.m. at the Bay County Building.

Attendance: Richard Byrne, Dale Johnson, Larry Fairchild, Kim Short, Jeff Tucker,
Susan Hewitt, Mary Kusterer, Edward Golson, Leonard Cnudde, and
Valerie Keib

Excused: Sue Fortune

Absent: Carl Reinke, Sue Boies, Leo Rokosz, Judy Barber
(excused)
excused

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:15 p.m. and roll call was taken by Susan Hewitt

Approval of Minutes - Meeting minutes from the May 28, 1998 meeting were reviewed. Mary Kusterer moved with support from Leonard Cnudde to accept minutes as written. The motion carried.

Population Predictions - Valerie Keib distributed population growth predictions for Bay County through the year 2020. (Attachment #1)

Draft Letter to Local Municipal Officials - Valerie Keib presented a draft letter (Attachment #2) to be sent to local municipal officials in Bay County in order to obtain needed information for the Solid Waste Management Update. The information is requested to be returned by August 7, 1998. Comments from the committee regarding the draft letter included:

- 1) Ed Golson - Question #5 requests an estimate of annual solid waste managed by each municipality in classifications of household solid waste, commercial solid waste, industrial solid waste, and industrial sludge. This may be difficult for some Township municipalities since they do not keep track of the tonnage. It will be added to the draft to supply the information if available.
- 2) Mary Kusterer - Are any municipalities instituting Brown Field Developments which would create a large amount of solid waste for the landfills? Per Valerie Keib, question #4 of the draft letter asks if any major infrastructure projects are planned which may result in a significant increase in the amount of solid waste disposed of in the next 10-20 years. This would take into account any Brown Field Developments.

3) Susan Hewitt - If municipalities send solid waste to other counties, should this be noted in the municipalities estimations of solid waste? Per Ed Golson, presently, the City of Bay City is the only one sending solid waste out of the county. The draft letter will include a question of whether the municipalities are sending solid waste to other counties.

Ed Golson moved with support from Susan Hewitt to send the letter to the municipalities requesting information. The motion carried.

Legislative Update - Valerie Keib provided a legislative update regarding solid waste. Presently a law suit is taking place between Clinton County and Granger. Granger is contesting paying tipping fees due to language in the Clinton County Solid Waste Plan. There should be more information later this year regarding this case. (Attachment #3)

Landfill Site Selection - There was discussion among the committee members to clarify the wording from the previous solid waste plan on landfill site selection at a later meeting.

Round Table

1) Valerie Keib - Committee member should review handout materials they receive before the next meeting.

2) Kim Short - Supplied committee with Whitefeather Landfill information. (Attachment #4)

3) Mary Kusterer - Is there a difference between the terms 'trash' and 'gate trash'? Per Ed Golson and Larry Fairchild, there is no difference between the two terms.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, August 27, 1998 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance.

Meeting Adjourned

The meeting was adjourned at 3:55 p.m.

DEPARTMENT OF ENVIRONMENTAL
AFFAIRS AND COMMUNITY DEVELOPMENT

VALERIE KEIB, DIRECTOR

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MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: August 17, 1998

Subject: Committee Meeting: 8/27/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, August 27, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

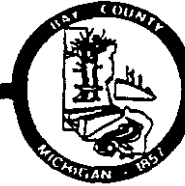
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cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

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**Solid Waste Management Plan Update Committee
August 27, 1998, at 3:00 p.m.**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Other
- V. Questions/Answers Directed to Chair/DPA
- VI. Select Next Meeting Time
- VII. Public Input
- VIII. Miscellaneous
- IX. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the August 27, 1998 meeting held at 3:00 p.m. at the Bay County Building.

Attendance: Richard Byrne, Kim Short, Jeff Tucker, Carl Reinke, Susan Hewitt, Sue Boies, Mary Kusterer, Leo Rokosz, Judy Barber, and Valerie Keib.

Excused: Sue Fortune

Absent: Dale Johnson, Larry Fairchild, Ed Golson, and Leonard Cnudde

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:00 p.m. and roll call was taken by Susan Hewitt.

Approval of Minutes - Meeting minutes from the June 25, 1998 meeting were reviewed. Corrections to the minutes include that Sue Boies and Leo Rokosz had been reported absent from the meeting, and had been excused. Carl Reinke moved with support from Leo Rokosz to accept minutes as corrected. The motion carried.

Letter to Local Municipal Officials - Valerie Keib reported on the letter sent to local municipal officials in Bay County in order to obtain needed information for the Solid Waste Management Update. The information was requested to be returned by August 7, 1998. Information was received from the City of Auburn, City of Bay City, City of Essexville, Frankenlust Township, Pinconning Township, Bangor Township, Consumers Energy, and the Lone Tree Council.
~~(Attachment #1)~~ - Copies are available @ Center Ave. library or upon request.

Each of the reporting municipalities indicated that they are not having major goals for changing their solid waste programs over the next 10-20 years, but they are interested in the possibility of a regional coordinated efforts for managing contracts. Also in common with the reporting municipalities is that they all have recycling programs and continue to look at new recycling opportunities.

It was agreed by the committee to send another letter to the municipalities that have not responded to the initial request for solid waste information, with an October 15, 1998 deadline for a response. The letter will emphasize the need for their input especially since several new issues have been brought up by other respondents.

These issues include:

- Banning incineration
- Designating routes for haulers
- Reciprocal Agreements - Currently Bay County has reciprocal agreements with 12 other counties, but only has signed agreements with 3 counties.
- Landfill citing criteria

Mary Kusterer moved with support from Carl Reinke to receive the correspondence from the above listed organizations and municipalities. Motion carried.

Valerie stated that the committee is still on schedule and an updated Solid Waste draft plan should be ready by the September 24, 1998 meeting. The committee is in the information collection period, and a consultant will be available soon to start preparing the draft.

Tuscola County

Valerie Keib has received Tuscola County's draft Solid Waste Update plan. In accordance with requirements, counties must send their draft plans out for review by other counties. Valerie will send copies of Tuscola County's draft to all the committee members for review. Comments must be returned to Tuscola County by November 19th.

Round Table

1) Richard Byrne - Question for Joe Rivet as to how the State can mandate that counties update their Solid Waste Plans without supplying any financial help. Joe responded that the State continues to cut taxes but often pushes the financial responsibility for program such as this onto the counties.

2) Sue Boies - Sue is from Monitor Township and has volunteered to make some contacts to insure that Monitor Township's solid waste information is received.

3) Mary Kusterer - Committee should not block people into regional plan, it should be voluntary. Prices charged to a host community are often different than what is charged to other places.

Mary questioned why in the initial 641 Rules, the State is suppose to supply financial support to the counties to update their Solid Waste plans. How can they get out of paying? Richard Byrne stated that Bay County could option out of paying for updates, but then the Department of Environmental Quality would then come in and update the Solid Waste plan for you.

Public Input

Joe Rivet, who delivered Bangor Township's solid waste information, attended the meeting. He reported that Bangor is in the process of contracting with City Environmental for the next three 3 years to haul their solid waste. It would have been his recommendation to go with the Saginaw County Solid Waste Authority since they had the lowest price, but there were several minor differences in services. Unlimited bundled brush, large household items, tires and wheels are picked up by City Environmental and this was found to be important to the residents of Bangor.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, September 24, 1998 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Meeting Adjourned

Mary Kusterer moved with support from Sue Hewitt to adjourn the meeting. The motion was carried. The meeting was adjourned at 3:50p.m.

MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Kelb, Committee Coordinator

Date: September 14, 1998

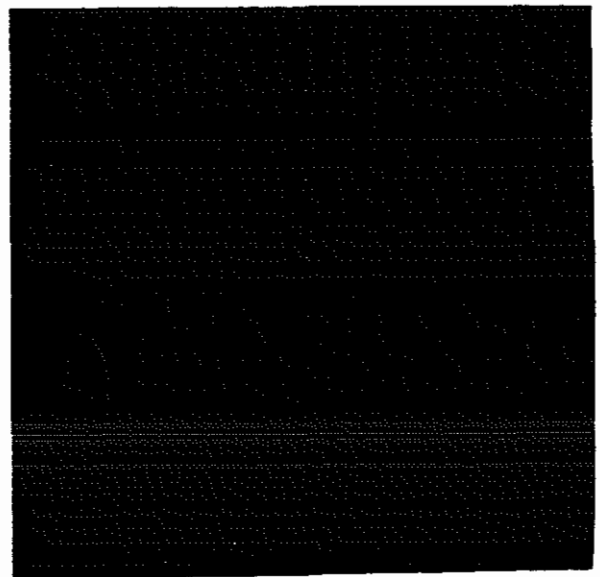
Subject: Committee Meeting: 9/24/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, September 24, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski



BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting minutes of the September 24, 1998 meeting held at 3:00 PM at the Bay County Building

Attendance: Richard Byrne, Judy Barber, Mary Kusterer, Valerie Keib, Kim Short, Jeff Tucker, Sue Fortune, Carl Reinke, Leo Rokosz, L. Cnudde, Cindy Winland

Excused: Ed Golson, Susan Hewitt

Absent: Dale Johnson, Larry Fairchild

Order of Business

1. Call to Order

Chair Byrne called the meeting to order at 3:00 PM and a roll call was taken by Valerie Keib. A quorum was declared present.

2. Approval of Minutes

Meeting minutes from the August 27, 1998 meeting were reviewed. Leo Rokosz moved to accept the minutes as written, Leonard Cnudde supported the motion. The motion carried.

3. Plan Update

Richard Byrne introduced Cindy Winland, the consultant being hired by Bay County through ECOMPDR to the committee. The goal is to stay on the original schedule of the committee to complete the Plan.

Cindy Winland distributed copies of the proposed Work Plan she had prepared for the SWUC which follows the MDEQ guidelines for Plan preparation. Cindy presented her background and experience with solid waste planning and management to the committee.

Cindy reviewed the Work Plan which shows that some steps have been completed by the SWMP Committee. Approximately 1/3 of the database (compiling of information) has been completed.

Valerie reviewed the information presented in the Work Plan with comments from Cindy Winland. MDEQ requirements were discussed as well as the software format.

Auburn, Essexville, Bangor, Bay City, Frankenlust, Pinconning Township, have responded to requests for information. Consumers Power and Lone Tree council have also provided input. These municipalities were thanked. Other municipalities have been contacted again for this information.

Cindy discussed the possibility of whether or not siting criteria are a step that this committee wants to address. It is not required due to the extended landfill capacity at Whitefeather, and there will be substantial time that would need to be devoted to this.

Discussion of siting procedures followed, and some options were discussed and reviewed. Siting procedures for this format are only for a landfill as required by MDEQ. Incineration banning was discussed and Cindy indicated that if we state only landfills and ban incineration then incineration siting criteria do not have to be addressed in this update process. Cindy will contact the MDEQ to ensure that this is accurate. It was noted that Saginaw County has recommended banning incineration in their current update process.

Some discussion of November and December meeting times was discussed as the 4th Thursday of these months fall on holidays. More frequent meetings were discussed. Cindy stated that approximately 7 meetings will be needed to complete the process, barring any complications. Cindy asked that as the committee meets please call ahead with questions. The next meeting was scheduled for October 8, 1998 at 3:00 PM. Be ready to ask questions on information sent out with agendas so that at the meeting time will be productive. Much of the information in the format is repeated from county to county state wide and we can receive this for our plan, is desired, and focus on local issues.

The committee was asked to respond in round table discussion to questions regarding goals and objectives for the update, by Cindy.

- Do we want to ban incineration? To be discussed.
- Recyclables and solid waste are all trucked. Bay City, Hampton Township and Monitor Township all have curbside pickup. Monitor Township has one contract for composting/recyclable and solid waste.

Cindy asked the group to address deficiencies and problems.

- Need composting facilities
- Need clear market for recycled goods, this is 100% market driven
- Solid Waste recyclables are, the committee believes, all hauled to Saginaw at this time for Bay County.
- Can we try to eliminate the need for land filling recycled goods by educational processes.
- Scrap tires are collected by Mosquito Control
- Household hazardous waste is limited by Dow Chemical's restrictions, more information is needed from Bay County's Public Health Department. This is not a critical/severe issue
- Open burning
- Open dumping is a problem, along shore lines, some municipal contracting has helped to reduce this problem, as have trash cans at drive-through fast food windows.
- Some discussion of used white goods (steel, appliances)
- Nickel, cadmium, mercury, A/C and refrigerator units as well as other appliance disposal issues (i.e. batteries) were discussed, more public education was mentioned as a way to address this.

Cindy asked the group to list complaints. None were raised.

Cindy asked the group to discuss goals.

- Not keep all waste in Bay County?

- Ban incineration of municipal wastes, Type II, Type III?
- Notify municipalities of the need for their response and participation
- Encourage business to reuse local recyclable products, Kmart/Meijers
- GM and Consumers wastes are not part of the solid waste stream for Bay County, they handle their waste under separate DEQ regulatory program.
- Road hauling routes?
- County does not want to engage in reciprocal agreements

4. Public Input

No one from the public was in attendance.

5. Adjourn

Sue Boise moved to end the meeting. Motion supported by Leo Rokosz and the motion carried. Meeting adjourned at 4:05 PM.

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BAY COUNTY

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TDD (517) 895-4049

MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: September 28, 1998

Subject: Committee Meeting: 10/8/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, October 8, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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**cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski**

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the October 8, 1998 meeting held at 3:00 p.m. at the Bay County Building

Attendance: Richard Byrne, Mary Kusterer, Kim Short, Jeff Tucker, Sue Fortune, Carl Reinke, Leo Rokosz, Leo Cnudde, Ed Golson, Larry Fairchild, Valerie Keib, Cindy Winland, and Robert Hill.

Excused: Sue Hewitt

Absent: Judy Barber, ~~Sue Boise~~, Dale Johnson

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:00 p.m. and roll call was taken by Valerie Keib.

Approval of Minutes - Meeting minutes from the September 24, 1998 meeting were reviewed and approved.

Approval of Consultant - The Bay County Commission has authorized the hiring of the professional consultant, Crescent Consulting, to help organize the Bay County Solid Waste Update Plan. Cindy Winland will be working with us from Crescent Consulting.

Plan Format - Cindy Winland reviewed the draft of the Solid Waste Update Plan which was started at the last meeting. The Department of Environmental Quality (MDEQ) has a format in which the Update Plan must be submitted. To present the plan has general information regarding the townships in the county, such as population and percent land use.

To be discussed this meeting are the goals, objectives, and proposed alternatives for handling solid waste. A list of goals and objectives from a variety of different plans were reviewed to get ideas. Listed are the draft of goals. The first two goals are required by the MDEQ format:

Goal 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.

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

Goal 3: Encourage public participation through ongoing educational programs and providing information to the public (Such as public service announcements on TV3)

Goal 4: Encourage commercial sector participation in recycling and other nondisposal practices.

Goal 5: Promote lobbying on solid waste issues

Goal 6: Develop an integrated solid waste management system in which all components work together effectively and efficiently

The goals, and objectives to those goals, will be discussed further at the next meeting

The draft plan also included data base information regarding the current annual volume of solid waste produced according to waste types (household, industrial, etc) and projection for the amount of waste produced 5 and 10 years from now needs to be calculated. Also included in the draft is a list of landfills with descriptions

Bob Hill - Bay County Environmental Health Director: Bob discussed that presently used oil recycling is available at both Valvoline and Pennzoil locations. They accept clean used motor oil in a limit of five gallon quantities. Interstate Battery accepts used motorcycle, automotive, and marine type batteries for recycling. Presently there is not a location around for dry cell or mercury battery recycling. Batteries cannot be accepted through the Bay County household waste program since everything accepted is incinerated at Dow, and batteries cannot be incinerate batteries.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, October 22, 1998 at 3:00 p.m. in the Bay County Building

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance.

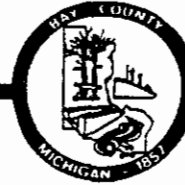
Meeting Adjourned

The meeting was adjourned at 3:55 p.m.

DEPARTMENT OF ENVIRONMENTAL
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VALERIE KEIB, DIRECTOR

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BAY COUNTY

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TDD (517) 895-4049

MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: October 13, 1998

Subject: Committee Meeting: 10/22/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, October 22, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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John Bukowski

DEPARTMENT OF ENVIRONMENTAL
AFFAIRS AND COMMUNITY DEVELOPMENT

VALERIE KEIB, DIRECTOR

ENVIRONMENTAL AFFAIRS
GEOGRAPHIC INFORMATION SYSTEMS
GYPSY MOTH SUPPRESSION
HOUSING & COMMUNITY DEVELOPMENT
MOSQUITO CONTROL
PLANNING
SOIL EROSION
TRANSPORTATION PLANNING



BAY COUNTY

THOMAS L. HICKNER
COUNTY EXECUTIVE

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TDD (517) 895-4049

Solid Waste Management Plan Update Committee
October 22, 1998, at 3:00 p.m.

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Other
- V. Valerie Keib
 - Updates
- VI. Cindy Winland/East Central Michigan Planning and Development Region
 - Review Current Draft of Plan
- VII. Public Input
- VIII. Miscellaneous
- IX. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the October 22 1998 meeting held at 3:00 p.m. at the Bay Court Building

Attendance: Richard Byrne, Mary Kusterer, Kim Short, Jeff Tucker, Sue Hewitt, Carl Reinke, Ed Golson, Sue Boise, Judy Barber, Dale Johnson, Jim Bedell, Cindy Winland, and Robert Hill

Excused: Sue Fortune

Absent: Leo Rokosz, Larry Fairchild

NOTE: The committee was saddened by the news that Leonard Cnudde passed away since the last meeting

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:00 p.m. and roll call was taken by Sue Hewitt.

Approval of Minutes - Meeting minutes from the October 8, 1998 meeting were not yet available.

Plan Format - Cindy Winland reviewed the draft of the Solid Waste Update Plan. To be discussed during this meeting are the goals, objectives, and proposed alternatives for handling solid waste. The plan's goals should address the deficiencies and problems listed on page 14 (Attachment #1) of the draft. Goals and objectives were reviewed and changes to the following:

Goal 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.

Objective 1a: Increase drop off locations for recycling all materials, specifically oil and those items currently collected at curbside for those areas with curbside programs. Increase household hazardous waste collections.

Objective 1b: Provide positive reinforcement for major industrial, municipal, and commercial recyclers through awards and publicity

Objective 1c: Encourage public participation through ongoing educational programs and providing information to the public

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

Objective 2a: Increase enforcement of open dumping offenses.

Objective 2b: Decrease open burning and resulting air quality concerns.

Objective 2c: Continue inspection and sampling of landfills and surrounding water sources at the State and Township level.

Goal 3: Reach a 30% diversion rate for recyclables within the next five years.

Objective 3a: Establish a recycling information packet encouraging people to buy recycled products, using examples of products, for distribution in public locations to newcomers and other groups.

Goal 4: Develop an integrated solid waste management system in which all components work together effectively and efficiently.

Objective 4a: Ensure that the system maximizes proven waste reduction methods such as recycling and composting and extends the life of existing and planned landfills.

Objective 4b: Set up a cooperative network between the government and the waste industry.

Objective 4c: Address management of various components of the solid waste stream which are not appropriate for land filling, but can be recycled immediately.

Objective 4d: Hire waste haulers who collect solid waste and recyclables.

Goal 5: Minimize the costs and impacts of dealing with each component of the solid waste stream.

Objective 5a: Address issues relating to the siting and management of landfills and handling of materials which must be disposed of in this manner

Objective 5b: Prevent adverse effects on public health and on the environment resulting from improper solid waste collection, transportation, processing, and disposal, including protection of surface and groundwater quality, air quality, and the land

Goal 6: Develop an efficient, environmentally sound and cost effective solid waste management system that is capable of meeting the County's diverse needs for the next 10 years.

Objective 6a: Encourage new and innovative materials and energy recovery technologies

Objective 6b: Advocate a more inclusive returnable bottle law

Objective 6c: Promote lobbying on solid waste issues at the county and municipal level

Round Table

Mary Kusterer:

Can this committee require waste haulers to be pro-recycling? Can we put this in our plan?

No, we cannot put this in the plan This must be done contractually.

Sue Boise:

Would like to add to the plan that incineration of solid waste be banned?

There was discussion among the committee member about incineration of waste and it will be discussed further at the next meeting.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, November 5, 1998 at 3:00 p.m. in the Bay County Building

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-1135 prior to the meeting

Public Input

No one from the public was in attendance

Meeting Adjourned

The meeting was adjourned at 4:10 p.m.

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BAY COUNTY

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MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: October 26, 1998

Subject: Committee Meeting: 11/5/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, November 5, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

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VALERIE KEIB, DIRECTOR

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**Solid Waste Management Plan Update Committee
November 5, 1998, at 3:00 p.m.**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Other
- V. Valerie Keib
 - Updates
- VI. Cindy Winland/East Central Michigan Planning and Development Region
 - Review Current Draft of Plan
- VII. Public Input
- VIII. Miscellaneous
- IX. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the November 5, 1998 meeting held at 3:00 p.m. at the Bay County Building.

Attendance: Richard Byrne, Mary Kusterer, Jeff Tucker, Sue Hewitt, Carl Reinke, Ed Golson, Sue Boies, Leo Rokosz, Dale Johnson, Jim Bedell, and Cindy Winland

Excused: Kim Short

Absent: Larry Fairchild, Judy Barber

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:05 p.m. and roll call was taken by Sue Hewitt.

Approval of Minutes - Meeting minutes from the October 8 and October 22, 1998 were reviewed. One correction to the October 8, 1998 notes to reflect that Sue Boies was in attendance at that meeting. Meeting minutes were approved.

Major Solid Waste Case - Cindy Winland discussed that this week a major solid waste case was decided upon between Saginaw County and Sexton. The case decided that counties have legal authority to charge a surcharge fee on solid waste that is brought into landfills.

Recycling Information - Cindy Winland discussed that there is information regarding recycling options that is available through the Department of Environmental Quality that the committee may use.

Plan Format - Cindy Winland reviewed the draft of the Solid Waste Update Plan. (Attachment #1) The following changes were made to the draft plan:

Goal 1

- 1) Make "Increase household hazardous waste collections." its own objective.
- 2) Change wording in Objective (1d) to read "Encourage recovery of recyclables by industrial, commercial, and residential generators." (The word 'sources' was changed to 'generators')

Goal 6

- 1) Delete Objective (6c)
- 2) Change the wording in Objective (6d) to "Encourage all waste haulers to include recycling in the services that they offer with waste pick up."
- 3) Objective (6e): Richard Byrne is going to approach Tom Hickner regarding the new solid waste case decided in the courts. To be discussed is whether Bay County should add on a surcharge to solid waste disposal fees to pay for new solid waste programs in the County.
- 4) Delete Objective (6g).
- 5) The committee decided to postpone a decision on Objective (6h) until the next meeting.
- 6) Objective (6i) was moved to Goal 1.

Goal 10

- 1) There was much discussion among the committee regarding Objective (10a) and the suggested revision with wording regarding incineration facilities. Leo Rokosz moved with support from Sue Hewitt that the original wording remain in the plan. The committee voted 7-2 in favor of keeping the original wording in the plan. Committee members in favor of the motion were: Byrne, Johnson, Tucker, Reinke, Hewitt, Rokosz, and Golson. Committee member opposed to the motion were: Boies and Kusterer.
- 2) It was decided to add the 'Michigan Association of Counties, etc.' to Objective (10c).
- 3) The committee decided to postpone a decision on Objective (10d) until the next meeting.

Miscellaneous

Cindy Winland discussed that the draft plan is currently missing page 23 but it will be included in the next revision. Also, pages 26-29 have been taken out of the plan.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, November 12, 1998 at 3:00 p m at the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

Rick Rezler from radio station WSAM was in attendance

Meeting Adjourned

Kusterer moved with support from Boies that the meeting adjourn. Motion passed The meeting was adjourned at 4:10 p.m.

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MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: November 10, 1998

Subject: Committee Meeting: 11/12/98

The meeting of the Solid Waste Management Plan Update Committee is scheduled for Thursday, November 12, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the November 12, 1998 meeting held at 3:00 p.m. at the Bay County Building

Attendance: Richard Byrne, Mary Kusterer, Kim Short, Jeff Tucker, Sue Hewitt, Carl Reinke, Sue Boies, Dale Johnson, Jim Bedell, Cindy Winland, and Valerie Keib

Absent: Sue Fortune, Larry Fairchild, Ed Golson, Leonard Cnudde, Judy Barber

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:00 p.m. and roll call was taken by Sue Hewitt

Approval of Minutes - Meeting minutes from the November 5, 1998 were reviewed. It was noted that Sue Fortune and Kim Short were excused from this meeting. Also, it was noted that Ed Golson was excused from the October 8, 1998 meeting. Sue Boies moved to accept the minutes as written with support from Kim Short. Motion carried.

Plan Format - Cindy Winland led discussion of the Bay County Solid Waste Management Plan update regarding the following:

Page 29 - IMPORT AUTHORIZATION: Facility names will not be listed and so it will be left open ended. If the facilities were listed, then only those can be used the next 10 years. Any new ones wouldn't be allowed.

Page 34 - WHITEFEATHER LANDFILL: Whitefeather Landfill is listed as having 106 total acres of facility property area. There was discussion that perhaps this is not an accurate number. Kim Short will look into this for the next meeting.

Page 42 - SOLID WASTE COLLECTION: Insert the following words at the end of the third sentence to read: Haulers and services are based on municipal contracts, negotiated on a municipal level *and or individual contracts*.

Page 43 - RESOURCE CONSERVATION EFFORTS: There was discussion regarding what percentage of Bay County's present and projected solid waste is recycled. Cindy is going to look into some information for more discussion at the next meeting.

Page 45 - OVERVIEW OF RESOURCE RECOVERY PROGRAMS: There is a typing error on this page. There should be an "X" in the third statement (Composting programs within the County are feasible) and the "X" should be deleted from the fourth statement (Composting programs for the County have been evaluated is not feasible to conduct ...)

Page 50 - PROPOSED RECYCLING: Proposed recycling ideas of the committee were:

- 1) Recycling can drop-off collection points where cans/bottles can be left and a charitable organization would collect and recycle the containers.
- 2) Pesticide recycling
- 3) Used oil recycling
- 4) White paper recycling
- 5) Make the generator responsible for taking back the used product (ie, newspapers)

Page 51 - PROPOSED COMPOSTING: List the Bay City Program and take credit for the existing program.

Page 54 - PROJECTED DIVERSION RATES: Cindy will give estimates at the next meeting for the committee to discuss

Page 55 - EDUCATIONAL AND INFORMATIONAL PROGRAMS: TV3 can be used free of charge to publish public awareness information. Only Bay City gets TV3, but tapes can be sent out into the County so that the information can reach others.

Page 56 - TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION: Richard Byrne will discuss with the Commissioners the potential of setting up some funding to promote recycling efforts

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, December 3, 1998 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance

Meeting Adjourned

Mary Kusterer moved to end the meeting with support from Jeff Tucker. The motion carried. The meeting was adjourned at 4:17 p.m.

DEPARTMENT OF ENVIRONMENTAL
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MEETING NOTICE

To: Solid Waste Management Plan Update Committee

From: Valerie Keib, Committee Coordinator

Date: November 16, 1998

Subject: Committee Meetings: 12/3/98, 12/17/98

Meetings of the Solid Waste Management Plan Update Committee have been scheduled for Thursday, December 3 and Thursday, December 17, 1998 @ 3:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

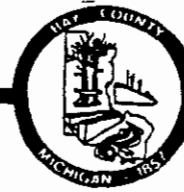
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cc: Bay County Commissioners
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Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

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Solid Waste Management Plan Update Committee
December 3, 1998, at 3:00 p.m.
December 17, 1998, at 3:00 p.m.

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Other
- V. Valerie Keib
 - Updates
- VI. Cindy Winland/East Central Michigan Planning and Development Region
 - Review Current Draft of Plan
- VII. Public Input
- VIII. Miscellaneous
- IX. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the December 3, 1998 meeting held at 3:00 p.m. at the Bay County Building

Attendance: Richard Byrne, Kim Short, Jeff Tucker, Sue Hewitt, Carl Reinke,
Sue Boies, Dale Johnson, Cindy Winland, and Valerie Keib

Absent: Sue Fortune, Larry Fairchild, Ed Golson, Leonard Cnudde, Judy Barber, and
Mary Kusterer

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:05 p.m. and roll call was taken by Sue Hewitt.

Approval of Minutes - Meeting minutes from the November 12, 1998 were reviewed. Carl Reinke moved to accept the minutes as written with support from Jeff Tucker. Motion carried.

Plan Format - Cindy Winland led discussion of the Bay County Solid Waste Management Plan update regarding the following:

Page 8 - GOAL #3, OBJECTIVES (3e) and (3f): Richard Byrne discussed a future solid waste funding plan with the Bay County Commissioners and it was decided that the Commissioners want to keep the County out of the Solid Waste plan.

GOAL #5, OBJECTIVE (5a): Sue Boies brought up concern regarding the potential of an incinerator being placed in Bay County. After much committee discussion, it was decided to add another objective under Goal #5 to state, "Any municipal solid waste method besides land filling would need approval by the Bay County Solid Waste Committee." Should an incinerator be proposed for Bay County, the Bay County Solid Waste Committee would have to approve a change to the Solid Waste Plan, which would then have to be approved by the Bay County Commissioners and then receive approval from 2/3 of the communities. This new objective would not ban incinerators in Bay County, but would present an avenue for full disclosure to the citizens of Bay County.

Page 9 - OBJECTIVE (5d): Delete

Page 27 - SOLID WASTE ALTERNATIVES: It was decided to replace the first sentence with the suggested alternative listed.

Page 34 - WHITEFEATHER LANDFILL: Changed total number of facility property acres from 106 acres to 752 acres

Page 43 - RESOURCE CONSERVATION EFFORTS: There was discussion regarding what percentage of Bay County's present and projected solid waste is recycled. Cindy presented 2,206 tons/year is recovered in curbside pick up and 450 tons/year in composting

Roundtable Information

Valerie Keib had several comments:

1) Only one comment has been received from the municipalities regarding the draft Solid Waste Update Plan. When the final plan is put out for comments she recommended that all the changes be listed in a certain area of the plan. Cindy Winland stated that there is an area in the beginning of the plan to list changes.

2) Valerie has recently become aware of the potential dredging of the Saginaw River in an area where sampling has shown the dredging material to be non-contaminated. This dredging material could be placed in a type II landfill instead of being placed with the other contaminated river soil dredging. This would also leave more room for contaminated dredgings in the future. Valerie will try and get more information regarding tonnage to see if it needs to be listed in the Update Plan.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, December 17, 1998 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance.

Meeting Adjourned

Jeff Tucker moved to end the meeting with support from Kim Short. The motion carried. The meeting was adjourned at 4:25 p.m..

**Solid Waste Management Plan Update Committee
January 7, 1998, at 3:00 p.m.**

AGENDA

- ~~I.~~ Call to Order
- ~~II.~~ Roll Call
- ~~III.~~ Approval of Minutes
- ~~IV.~~ Commissioner Byrne
 - Review of Agenda
 - Other
- V. Valerie Keib
 - Updates
- VI. Cindy Winland/East Central Michigan Planning and Development Region
 - Review Current Draft of Plan
- VII. Committee adopts draft of plan in preparation for public review.
- VIII. Public Input
- IX. Miscellaneous
- X. Adjourn

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the December 17, 1998 meeting held at 3:00 p.m. at the Bay County Building

Attendance: Richard Byrne, Jeff Tucker, Sue Hewitt, Carl Reinke, Sue Boies, Dale Johnson, Judy Barber, Leo Rokosz, Cindy Winland, and Valerie Keib

Absent: Kim Short, Sue Fortune, Larry Fairchild, Ed Golson, and Mary Kusterer

Order Of Business

Call to Order - Meeting called to order by Richard Byrne at 3:10 p.m. and roll call was taken by Sue Hewitt

Approval of Minutes - Meeting minutes from the December 3, 1998 were reviewed. Judy Barber moved to accept the minutes as written with support from Sue Boies. Motion carried.

Plan Format - Cindy Winland led discussion of the Bay County Solid Waste Management Plan update regarding the following:

Page 8 - GOAL #5, OBJECTIVE (5d): It was decided to include 5d as written

Valerie Keib brought up discussion regarding dredging of the Saginaw River. The sludge is not supposed to be contaminated and could be land filled in the present landfills. If the sludge is contaminated then it would be disposed of on the island off the mouth of the river. The sludge has not been accounted for in the waste estimates for the county. Cindy Winland said that the sludge would be described as diversionary.

Page 26 - In the fourth paragraph, the end of the sentence should read "diverting recyclable and reusable materials from the waste stream through three main methods"

Page 27 - In the last paragraph, the middle sentence should read "We did not rank the alternatives since there appears to be only one logical choice in this primarily rural and sparsely populated county"

Page 43 - RESOURCE CONSERVATION EFFORTS: The tonnage of present waste diverted from the landfills was obtained from the City of Bay City by Cindy Winland. She added a 10% increase to estimate the amount diverted for the next 5 and 10 years

Page 44 - Cindy Winland stated that (Tons X 4.5 = Yards) Cindy was not sure if the State will let us list composting/recycling in this section, but we will leave it for now

Page 54 - **PROJECT DIVERSION RATES:** Cindy Winland extrapolated the Bay County numbers from the Saginaw County numbers

Page 60 - The last paragraph in #3 should be changed to read "Bay County may enact an ordinance to establish a tipping fee on solid waste disposed of in Bay County for the purposes of implementing and operating the responsibilities of the Designated Planning Agency as **appointed by the Bay County Board of Commissioners**, including but not limited to all aspect of the Solid Waste Management Plan "

Change the next paragraph to read "Allowable areas of **township, city, and county** regulation include:"

Page 66 - The fourth paragraph will be changed to read "Township and cities may also coordinate contracting efforts in areas where the population base can support a trash and/or recycling collection contract, even when it crosses township boundaries

Page 67 - Cindy Winland discussed that someone/committee must be named as the potential funding sources for the Educational & Informational Programs. It was discussed that perhaps a volunteer committee could be used for this purpose (ie , Lone Tree Council, Environmental Education Committee)

Page 68 - Cindy Winland will add the EVALUATION SUMMARY

UPDATE SCHEDULE - Cindy Winland discussed that the Solid Waste Update plan should be completed by the next meeting. The Plan will then be ready for the 90 day public comment period to begin. Also, a meeting for a public hearing will need to be scheduled

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, January 7, 1999 at 3:00 p.m. in the Bay County Building

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Public Input

No one from the public was in attendance

Meeting Adjourned

Leo Rokosz moved to end the meeting with support from Carl Reinke. The motion carried. The meeting was adjourned at 4:20 p.m.

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the January 7, 1999 meeting held at 3:00 p.m. at the Bay County Building

Attendance: Richard Byrne, Larry Fairchild, Kim Short, Carl Reinke, Sue Boies, Dale Johnson, Cindy Winland, Valerie Keib, Ed Golson, Judy Barber, Mary Kusterer. Also in attendance: Richard Rezler of WSAM and John Hall of WSGW.

Absent: Sue Fortune (excused), Leo Rokosz, Sue Hewitt (excused), Jeff Tucker

Order of Business

Call to order - Meeting called to order at 3:10 p.m. and roll call was taken by Valerie Keib

Approval of Minutes - Meeting minutes from the December 17, 1999 meeting were approved.

Plan Format - Cindy Winland led discussion of the Bay County Solid Waste Management Plan update final draft. Review and comments regarding corrections to the draft followed. Several minor typographical errors were noted.

Page A-6 was amended so that the chart on the lower right-hand corner reads "Designated Planning agency, working with local environmental organizations. . . ." rather than "Local environment organizations. . . ."

A change was made on page III-32 under "Educational and Informational Programs:" to insert the same language from A-6 referenced above in place of Intermediate School Districts.

Mary Kusterer raised issue of municipal ordinance powers to regulate a landfill (page III-33) A Township could enact an ordinance to regulate hauling of solid waste without reference to the plan because the plan does not speak to hauling, only landfills.

Discussion followed on Part 3 of page III-33. This selection requires that a list of landfill operation aspects that could be regulated by a local unit of government be listed.

The language says:

"Bay County may enact an ordinance. . ." Dale Johnson's request is to delete any reference to something that "may" happen. It was noted that these must be listed in order for an ordinance to be able to be enacted.

Dale objected to suggestions that may regulate the industry, and therefore, raise costs for the industry to do business. These costs will be passed along to the consumers.

Any ordinances would have to be implemented through a standard hearing process like any other ordinance, and these types of issues would be discussed at that time. The plan makes it possible to consider future regulations. Dale wanted to cap and restrict any possible tipping fees in the plan or delete the reference entirely. Cindy stated that restrictions on tipping fees cannot be done in the plan.

A motion was made by Dale Johnson to delete , with support from Larry Fairchild. A roll call vote was taken: Byrne - no, Reinke - no, Boies - no, Johnson - yes, Barber - no, Short - yes, Fairchild - yes, Golson - yes, Kusterer - no. Five no; four yes, motion did not carry.

Plan Approval - A motion to approve the plan with the corrections made during today's meeting was made by Kim Short, with support from Larry Fairchild. A roll call vote was taken: all present voted yes, with the exception of Sue Boies, who voted no. Motion to approve was passed.

Roundtable Discussion

Commissioner Byrne led discussion of scheduling the public comment period and public hearing. Time is needed to revise the plan, prepare the minutes and prepare public notices. It was decided that public comment will begin on January 25, 1999, for a period of ninety days as required. A public hearing was scheduled, to be held immediately following Board Committee meetings, at 6:00 p.m. on Tuesday, March 2nd in the Bay County Building. Commissioner Byrne requested that committee members attend the hearing.

Once public comment is closed, a decision will be made as to whether the committee must meet again to make any revisions prior to further review by the local municipalities. The final draft will be mailed to all interested parties, neighboring counties, the state, required agencies and municipalities at the start of public comment. Cindy Winland will coordinate the legal notices on behalf of the county.

Public Input - two media representatives were present; however, no other members of the public were in attendance. No public input was received.

Meeting Adjourned - Larry Fairchild moved to end the meeting with support from Carl Reinke. The motion carried. The meeting was adjourned at 4:35 p.m.

Western Consulting

• *Planning* • *Zoning* • *Community Development* • *Grant Writing & Administration* • *Site Plan Reviews* •

January 25, 1999

Solid Waste Committee Members:

More paper. Enclosed is the revised draft from our January 7, 1999 meeting. As always, feel free to recycle previous versions of this draft, including the one dated January 7 that was distributed at the January 7 meeting.

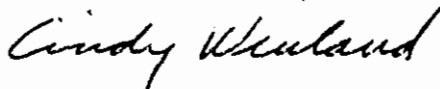
I sent out a revised page D-4 regarding Implementation Strategies that had been omitted in our final discussion. I spoke with or received phone messages from ten members of the committee. I left messages for the other three. Of the ten, nine voted to include the paragraph in question. One voted no. Being a majority, this paragraph is included on page D-4.

This Plan is the one being distributed for public comment and will be the subject of comment at the public hearing on March 2, 1999.

Please call me if you have any questions or concerns about the Plan or the process and how it works.

I've enjoyed working with all of you and will see you on March 2.

Sincerely,



Cynthia E. Winland

APPENDIX D

CLERK OF DISTRICT COURT
JAN 15 1999
COUNTY OF SHERIDAN

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.

Solid Waste Committee Member:

The paragraph in italics below was omitted in error from the draft reviewed and approved on January 7, 1999. Valerie and I suggest that this paragraph be included in this location. Please call me to concur or make changes in the wording before January 18 and leave a message. I would like to amend this page before the public comment period begins on January 25, 1999.

My apologies for the oversight.

Thanks very much, Cindy Winland

517-839-2031

The County will have no direct role in the implementation of the Plan. The selected solid waste management system is discussed on page II-17 in the Selected Solid Waste Management Alternatives section as the second alternative.



BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

MEMO

BAY COUNTY BUILDING 1932

Eugene F. Gwizdala
Board Chairman
7th District

Richard L. Byrne
Vice-Chairman
1st District

Lloyd W. Pajot
2nd District

Scott S. Holman
3rd District

Edward L. Rivet
4th District

Paul L. Brissette
5th District

Peter J. Kaczmarek
6th District


Michael F. Halstead
8th District

Shirley A. Burley
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

To: Solid Waste Management Plan-Interested Parties and
Local Officials

From: Richard Byrne, Chairman, Solid Waste Planning
Committee 

Date: January 25, 1999

Subject: **Update Public Comment Period**

The Bay Solid Waste Planning Committee has completed the draft version of the Bay County Solid Waste Plan. A copy of this Plan is being sent to you for your comments, as required by state law as part of the Solid Waste Plan update process.

A public hearing will be held on March 2, 1999 in the Bay County Board of Commissioners room at 6:00 PM. At this meeting the Solid Waste Planning Committee will receive comments on the plan for those people who wish to express their comments in person. Written comments can be mailed to:

Valerie Keib, Director
Bay County Department of Environmental Affairs
515 Center Ave.
Bay City, MI 48708

At the close of the public comment period on April 25, 1999, the Bay County Board of Commissioners will review the Plan and take action on it. Each municipality in the County must also review the Plan and take action on it following the Board of Commissioners's review and action.

We are suggesting that you take time now to review this Plan and make comment so that you can take action on it at your first regularly scheduled Board meeting after April 25, 1999. The plan requires approval by two-thirds of the municipalities prior to being sent to the Department of Environmental Quality for their approval.

The Solid Waste Planning Committee will need copies of the minutes of the meeting at which the Solid Waste Plan was reviewed in your Township. When this occurs, please send these minutes to the Environmental Affairs Office at the address above.

Thanks very much for your cooperation and interest in solid waste planning for Bay County. Please call me at 895-4121 if you have any questions or concerns.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

cc: Valerie Keib, Director, Environmental Affairs
Tom Hickner, Bay County Executive
Mike Gray, Director, Bay County Administrative Services
Eugene Gwizdala, Chairperson, Bay County Board of Commissioners

c:\myfiles\swmp\notice0125.wpd

Solid Waste Plan Update Mailing List 2-1-99

Michael Campbell	Bangor Twp. Supervisor
James Dubay	Garfield Twp. Supervisor
Richard Gromaski	Fraser Twp. Supervisor
Mark Harnden	Williams Twp. Supervisor
Robert Pawlak	Portsmouth Twp. Supervisor
Sharon Stalsburg	Pinconning Twp. Supervisor
Michael Sobieray	Mt. Forest Twp. Supervisor
Hilda Dyjak	Frankenlust Twp. Supervisor
Warren Sinke	Monitor Twp. Supervisor
Don Meyer	Merrit Twp. Supervisor
Roy Delorge	Kawkawlin Twp. Supervisor
William Tacey	Hampton Twp. Supervisor
Steve Gray	Beaver Twp. Supervisor
Jerry Barbret	Gibson Twp. Supervisor
Charles Purdue	Clare Co. DPW
Helen Laurenz	Gratiot Co. DPW
Mark McGill	Midland Co. BOC
Larry Erickson	Iosco Co. BOC
Mike Douglass	Tuscola Co. BOC
Brad Noeldner	Pinconning City Manager
Tony Pawelski	Pinconning Mayor
Thomas Rehmus	Essexville City Mayor
Dale Majerczyk	Essexville City Administrator
James Palenick	Bay City Manager
Kathleen Newsham	Bay City Mayor
Mike Kelly	Auburn City Administrator
Steve Samborn	Auburn City Mayor
Bill Wright	Saginaw County
ECMPDR	Arenac County
ECMPDR	Gladwin County
Jay Sealouk	DEQ
Doug Bell	AICP Community Planning Consultant
Thomas Gourgen	Asst. Dir. Genesee Metro Co.
Bruce Rohrer	Isabella Co. Public Works
Irene Portnoy	Bay City Times
Jeff Kart	Bay City Times
Terry Miller	Lone Tree Council
Bob Hill	Marty Fitzhugh
Tom Hickner	Mike Gray
Bob Redmond	
Solid Waste Management Plan Committee	
Bay County Board of Commissioners	
Pinconning Journal	

Saginaw Bay Waterage Club
L. L. L. to monitor Twp. Trustees

TWP SUPRS
REV 12/9/98

HILDA DIJAK
FRANKENLUST TWP SUPR
6780 THREE MILE RD
BAY CITY MI 48706

JERRY BARBRET
GIBSON TWP SUPR
7300 FLAJOLE
BENTLEY MI 48613

DONALD A MEYER
MERRITT TWP SUPR
774 EAST SCHOOF RD
MUNGER MI 48747

SHARON STALSBERG
PINCONNING TWP SUPR
PO BOX 58
PINCONNING MI 48650

CITY MAYORS
REV 1/96

CITY MANAGERS
REV. 11/14/96

DALE MAJERCZYK
ESSEXVILLE CITY ADMIN
1107 WOODSIDE AVE
ESSEXVILLE MI 48732

MICHAEL CAMPBELL
BANGOR TWP SUPR
180 STATE PARK DR
BAY CITY MI 48706

RICHARD GROMASKI
FRASER TWP SUPR
2075 E COGGINS RD
PINCONNING MI 48650

WILLIAM TACEY
HAMPTON TWP SUPR
447 E CENTER
ESSEXVILLE MI 48732

WARREN J SINKE
MONITOR TWP SUPR
2483 MIDLAND RD
BAY CITY MI 48706

ROBERT J PAWLAK
PORTSMOUTH TWP SUPR
260 NO PINE RD
BAY CITY MI 48708

STEVE SAMBORN
MAYOR CITY OF AUBURN
109 MAPLE
AUBURN MI 48611

TONY PAWELSKI
MAYOR CITY OF PINC
PO BOX 556
PINCONNING MI 48650

MICHAEL KELLY
AUBURN CITY MGR
113 E ELM
AUBURN MI 48611

BRAD NOELDNER
PINCONNING CITY MGR
PO BOX 628
PINCONNING MI 48650

STEVE GRAY
BEAVER TWP SUPR
1860 W BEAVER RD
AUBURN MI 48611

JAMES DUBAY
GARFIELD TWP SUPR
1825 N ELEVEN MILE RD
LINWOOD MI 48634

ROY DELORGE
KAWKAWLIN TWP SUPR
1479 SOUTH HURON RD
KAWKAWLIN MI 48631

MICHAEL SOBIERAY
MT FOREST TWP SUPR
5134 GILBERT RD
PINCONNING MI 48650

MARK W HARNDEN
WILLIAMS TWP SUPR
5860 CARTER RD
FREELAND MI 48623

KATHLEEN NEWSHAM
MAYOR BAY CITY
301 WASHINGTON AVE
BAY CITY MI 48708

JAMES PALENICK
BAY CITY MANAGER
301 WASHINGTON AVE
BAY CITY MI 48708

MEETING NOTICE

To: Solid Waste Management Plan Update Committee
From: Valerie Keib, Committee Coordinator
Date: January 25, 1999
Subject: **Public Hearing Meeting: 03/02/99**

A public hearing on the Solid Waste Management Plan Update Committee has been scheduled for Tuesday, March 2, 1999 @ 6:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.


Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

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cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

MEETING NOTICE

**To: Solid Waste Management Plan Update Committee and
Interested Parties**

From: Valerie Keib, Committee Coordinator 

Date: March 1, 1999

Subject: Public Hearing: March 2, 1999

A Public Hearing for review of the Solid Waste Management Plan Update has been scheduled for Tuesday, March 2, 1999 at 6:00 P.M. in the Commissioners Ground Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

SUMMARY OF THE BAY COUNTY SOLID WASTE PLAN UPDATE, 1998 DRAFT DOCUMENT

All counties in Michigan are required to update their Solid Waste Management Plan every ten years. This public hearing is to gather comments from the public regarding Bay County's Draft Solid Waste Management Plan Update document.

The purpose of updating a Solid Waste Plan is first to ensure that the county has adequate capacity identified to dispose of the waste generated in the county for the next ten years. The secondary purpose of the Plan Update is to outline a solid waste management system that the county has identified as the most efficient way to dispose of solid waste. This system must include a plan for transportation, disposal and funding of solid waste disposal. Some counties take an active role in solid waste management. Some choose to let the municipalities in the County make their own solid waste hauling and disposal decisions.

With this Plan draft, the Solid Waste Plan Update Committee has recommended that Bay County has chosen to leave the decision making power for solid waste handling at the local level where possible. The County has reserved the right to enact ordinances to regulate solid waste and to collect a fee from the waste companies that operate in the county to carry out aspects of an ordinance should one ever be enacted.

The primary differences between this Plan and the previous Bay County Solid Waste Management Plan, approved in 1990 are,

1. This Plan does not recommend additional landfill space be constructed. There is an excess of landfill space in Michigan and adequate space in Bay County for all of Bay County's needs for more than ten years.
2. Given there is adequate capacity for Bay County's solid waste identified in the Plan, this Plan does not include siting criteria for a new landfill in Bay County.
3. Recycling and composting efforts recommended in the 1990 Plan have been exceeded. This Plan notes that recycling and composting are taking place at a desirable level and with an efficient system. No aggressive recycling recommendations are included in this Plan.
4. Twelve counties are listed as being allowed to import and export waste from Bay County. These are the same twelve counties that were named in the previous Plan. This Plan includes a limitation on the amount of waste that may be exported to Saginaw County, per that County's request.
5. This Plan is written using the template suggested by the Department of Environmental Quality. As such, the Plan only includes necessary items to complete the template. This is in the interest in keeping the county's approach simple and easy to implement.

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the March 2, 1999 meeting held at 6:00 p.m. at the Bay County Building.

Attendance: Richard Byrne, Larry Fairchild, Jeff Tucker, Susan Hewitt, Mary Kusterer, Ed Golson, Judy Barber, Valerie Keib, Cindy Winland, Mark Harnden (Williams Twp), William Tacey (Hampton Twp), Sharon Stalsberg (Pinconning Twp), Roy DeLorge (Kawkawlin Twp), Jeni Deprezio (WJRT), and John Hall (WSGW).

Excused: Sue Boies

Order of Business

Call to Order - Meeting called to order by Richard Byrne at 6:00 p.m. and roll call was taken by Sue Hewitt.

Solid Waste Plan Update Summary - Valerie Keib reviewed a handout (Attachment #1) which summarized the primary differences between this and previous Bay County Solid Waste Management Update plans.

Public Comment - The following public comments were received:

Sharon Stalsberg, Pinconning Township

1) 67% of the municipalities have to approve the Solid Waste Update plan. When will this happen?

Valerie Keib stated that public comment period is open through April 21, 1999. After that time, comments will be reviewed by the Solid Waste Update Committee and then the plan will be sent out for approval by the Board of Commissioners once they have approved the plan. This is the Michigan Department of Environmental Quality required process.

2) According to a reciprocal agreement, Bay County could receive 342 tons/day of solid waste from Saginaw County. Who is going to police this to make sure not more than 342 tons/day is received?

Cindy Winland stated that Saginaw County would be responsible for keeping track of the amount of solid waste sent to Bay County. The information Ms. Stalsberg is reviewing is a suggested formula sent by Saginaw County to Bay County. It was received today and is being distributed at this meeting.

3) There is concern regarding the proposal of a tipping fee (page III-33). The tipping fee should either be taken out or designate what the fee would be used for.

Valerie Keib stated that on page III-33 at least one of the three options had to be checked. No monetary amount for the tipping fee can be named. An ordinance would have to be passed to approve an amount. No tipping fee is included in the Plan; however, the language allows any municipality or the county to pass an ordinance that would enact a tipping fee (or regulate other aspects of solid waste noted on page III-33) without the added step of amending the Solid Waste Plan. No ordinance will be enacted through the plan itself. Any ordinance would have to go through the normal legal process before it was enacted. Because no fee is proposed, no specific designations or restrictions can be stated in the plan. Any such restrictions would need to be brought up in drafting an ordinance at some future date. If this language is deleted, any proposed future ordinance on tipping fees will require an amendment to the Solid Waste Plan also. By leaving the language in the Plan, there will be more flexibility in the future on this issue. Bay County has no plans to enact a tipping fee.

William Tacey, Hampton Township

1) A letter was sent to Valerie Keib from William Tacey regarding some noted errors in regard to the Hampton Township transfer station section in the draft of the Solid Waste Update plan that was sent to the townships for comments (Attachment #2)

The letter was received, and corrections to the plan will be made.

2) There is also concern regarding the wording of a proposal tipping fee (page III-33).

Mark Harnden, William Township

1) Why weren't recycling facilities addressed under the plan?

Cindy Winland stated that the 641 Rules only regulate solid waste going to landfills, and does not have any control over recycling materials.

Mary Kusterer

1) If there is a tipping fee enacted, the money should be used regarding solid waste and not used to toward the Ice Arena, etc... On page III-33, she is opposed to the working "...including but not limited to..."

Draft Solid Waste Plan - Attachment #3 contains the draft Solid Waste Plan for Bay County

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, April 22, 1999 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Meeting Adjourned

Larry Fairchild moved to end the meeting with support from Jeff Tucker. The motion carried. The meeting was adjourned at 6:30 p.m.

EXECUTIVE OFFICERS

William G. Tacey
Supervisor

Pamela J. Wright
Clerk

James Piorkowski
Treasurer

CHARTER TOWNSHIP OF HAMPTON

801 W. Center Avenue

Essexville, Michigan 48732-2094

Mailing Address: P.O. Box 187, Bay City, MI 48707-0187

Telephone (517) 893-7541 Fax (517) 893-6152

TRUSTEES

Gerald DeWyse

Paul Hugo

Terry J. Speigel, Sr.

Donald VanDunBoon

April 22, 1999

Bay Co. Solid Waste Management Plan Update Committee
Valerie Keib, Committee Coordinator
515 Center Ave.
Bay City, MI 48708

RE: Bay County Solid Waste Plan

Dear Ms. Keib & Committee Members:

We are opposed to the language on page III-33 paragraph #3 in reference to tipping fees. It is felt that these fees should be designated specifically for enforcement, implementation, and or update of the plan. If these fees can't be designated as mentioned then paragraph III-33 should be eliminated.

I also hope that the corrections mentioned in my letter dated February 22, 1999, to the County Department of Environmental affairs have been taken care of.

Sincerely yours,


William G. Tacey

WGT/cg

Bay County
Solid Waste Management Department

APR 22 1999

April 21, 1999

Ms. Valerie Keib, Director
Bay County Environmental Affairs and Community Development
515 Center Avenue
Bay City, MI 48708

Valerie -
This is what
our comments
will look like
Although it is
not on DEQ
letterhead yet.
2 Jan

Dear Ms. Keib:

I have received a copy of the draft Bay County Solid Waste Management Plan Update (Plan). I will address our comments in the same order as the topics appear in the Plan. In my opinion, the following areas of the County's Plan may be of cause for concern and may require revision or additional information.

1) On page II-3 under DATA BASE-SOLID WASTE DISPOSAL AREAS, the only type of solid waste disposal areas listed are landfills. Other solid waste disposal areas would include transfer facilities, incinerators and processing plants. If the County currently uses such solid waste disposal areas, they should be listed in the Plan.

2) There was no description of current and projected centers of solid waste generation, including industrial waste for five- and ten-year periods within the LAND DEVELOPMENT section of the data base on page II-16. Please add this information. Page II-16 was also duplicated on the following page. Please remove this page.

3) On page II-17, under SOLID WASTE MANAGEMENT ALTERNATIVES, there was no evaluation for each alternative for the following management components; waste reduction, pollution prevention, resource conservation, resource recovery, volume reduction, sanitary landfill, collection processes and transportation, ultimate disposal area uses, institutional arrangements and recycling and composting programs. The evaluation criteria are outlined in Rule 711(d) of the Part 115 Administrative Rules. Please summarize Bay County's evaluation of the components listed above.

4) On page III-1, under SELECTED SOLID WASTE MANAGEMENT SYSTEM, there was no information provided describing the selected system. Please provide this information.

5) On page III-2 and III-4, under IMPORT AUTHORIZATION (Table 1-A) and EXPORT AUTHORIZATION (Table 2-A), information was only placed in the first two columns. To the degree possible, please fill in the columns labeled facility name, authorized daily quantity, authorized annual quantity and authorized conditions.

6) On page III-17, the techniques described on this page are not VOLUME REDUCTION TECHNIQUES, but instead are recycling and composting programs. Volume reduction involves the use of a process to reduce the physical size of the waste. Compaction is a commonly used technique, as is incineration. Other methods, such as shredding could also be used to reduce the waste volume. It is that type of process that should be listed on this page.

7) On page III-14 under FACILITY DESCRIPTION for Hampton Township Transfer Station, the final disposal site and location for incinerator ash or transfer station wastes was not listed. Please provide this information.

8) On page III-31 under SOLID WASTE MANAGEMENT COMPONENTS, there was no identification of the management responsibilities and institutional arrangements necessary for the implementation of the Selected Waste Management System. Please provide this information.

9) Pages III-30 and III-34 indicate that Bay County has greater than 10 years capacity. However, no demonstration was provided to show that this is so. This should be demonstrated in the Plan.

10) On page A-7 under EVALUATION SUMMARY OF THE SELECTED SYSTEM there was no evaluation summary written. Please provide this information.

11) On page D-1 under PLAN IMPLEMENTATION STRATEGY it is stated that the County will have no direct role in the implementation of the Plan. On page III-32 Bay County Designated Planning Committee is identified as the responsible party for Plan update monitoring, enforcement and educational and informational programs. This information is contradictory and should be clarified to clearly identify the County's role in Plan implementation.

I appreciate the efforts that you have shown in the development of the Plan and the degree that the Plan Format has been utilized. This makes the document much easier to review. I hope that these comments are useful to Bay County as you attempt to develop an approvable Plan. If you have any further questions or comments, please feel free to contact me.

Sincerely,

Jan Sealock
Solid Waste Management Unit
Waste Management Division

William G. Tacey
Supervisor

Pamela J. Wright
Clerk

James Piorkowski
Treasurer

CHARTER TOWNSHIP OF HAMPTON

801 W. Center Avenue

Essexville, Michigan 48732-2094

Mailing Address: P O. Box 187, Bay City, MI 48707-0187

Telephone (517) 893-7541 Fax (517) 893-6152

TRUSTEES
Gerald DeWyse
Tom Foret
Terry J. Spegel, Sr.
Donald VanDenBoom

February 22, 1999

FEB 22 1999

Valerie Keib, Director
County Department of Environmental Affairs
515 Center Ave.
Bay City, MI 48708

RE: Public Comment on County Solid Waste Management Plans.

Dear Valerie Keib:

After reviewing the County Solid Waste Management Plan, I noted a few errors in regard to the Hampton Township transfer station sections. The following items need to be corrected:

1. Page II - 12 Operating Status Waste Types Received.
X needs to be removed in front of commercial
X needs to be removed in front of industrial
X needs to be removed in front of construction and demolition
2. Page III - 14 Operating Status Waste Types Received
X needs to be removed in front of commercial
X needs to be removed in front of industrial
X needs to be removed in front of construction and demolition
3. Page III - 20 Recycling Hampton Township - Materials Collected Section
Add D in that section
4. Page III - 21 Yard Waste Hampton Township - Materials Collected Section
Add G and L

The above named irregularities need to be corrected. If you have any questions please feel free to call me.

Sincerely yours,


William G. Tacey
Hampton Township Supervisor

WGT/cg



1751 CODY ESTEY RD.
P.O. BOX 58
PINCONNING, MICHIGAN 48650

Supervisor Sharon Stalsberg
Clerk Don Moore
Treasurer Carol Sabourin
Trustee Paul Jacques
Trustee Mary Kusterer

PHONE (517) 879-4018

FAX (517) 879-4553

March 10, 1999

Bay County Solid Waste Management Plan
Update Committee
Valerie Keib, Committee Coordinator
515 Center Avenue
Bay City, Michigan 48708

MAR 10 1999

Re: Bay County Solid Waste Plan

Dear Ms. Keib and Committee Members;

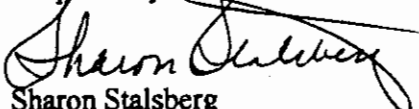
In reviewing the Bay County proposed Solid Waste Plan, we are concerned with number 3 on page III-33 of the plan. As the host community of the Whitefeather landfill sited in our township, we are knowledgeable of past history on the solid waste issues in Bay County. We oppose the language in number 3 (bold type), page III-33:

We believe nominal county impact fees, designated specifically for enforcement, implementation and/or update of the plan could be justified if allocated precisely for these purposes. In the past Bay County Commissioners, on advice from their legal council, have refused to write reciprocal agreements with other counties included in the plan and have consistently stated their adamant desire to distance themselves from any type of enforcement and implementation. This intent is reiterated on page D-1, second paragraph.

Regulations included in the plan are covered by Pinconning Township Ordinance # 14-A, B and C. The enforcement is currently being done by the township. If a tipping fee is imposed on the one landfill operating in Bay County while Bay County trash is being exported out to other landfills, it may create a hardship on the owners of Whitefeather Development and the possibility for lower trash pickup contracts in the future may be negatively impacted and such tipping fees could become a future incentive for siting additional solid waste landfills and/or incinerators within the county.

To summarize; number 3 (bold type) on page III-33 should reflect only a nominal fee limited to implement all aspects of the Bay County Solid Waste Management Plan to justify such action, or the entire paragraph should be eliminated.

Respectfully


Sharon Stalsberg
Pinconning Township Supervisor

FRASER TOWNSHIP

1474 N. MACKINAW ROAD
LINWOOD, MICHIGAN 48634

Telephone 697-3820

April 16, 1999

Bay County Solid Waste Management Plan
Update Committee
Valerie Keib, Committee Coordinator
515 Center Avenue
Bay City, MI 48708

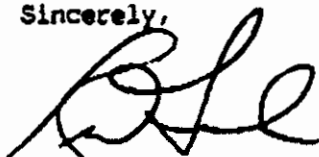
RE: Bay County Solid Waste Plan

Dear Ms. Keib and Committee Members,

After reviewing the proposed solid waste plan, Fraser Township is opposed to the language in paragraph in bold print on page III-33.

We feel that because of the second paragraph on page D-1 the tipping fees are not justified. A nominal fee for updating, implementation and enforcement could possibly be justified, but because you have stated in the past that you wish to distance yourself from these items, I see no reason to have this in your plan.

Sincerely,



Richard Gromaski, Supervisor
Fraser Township Board
1474 N. Mackinaw Rd
Linwood, MI 48634



Charter Township of Monitor

2483 MIDLAND ROAD ~ BAY CITY, MICHIGAN 48706 ~ PHONE 517-684-7203 ~ FAX 517-684-9234

April 13, 1999

Bay County Solid Waste Management Plan
Update Committee
Valerie Keib, Committee Coordinator
515 Center Avenue
Bay City, Michigan 48708

APR 15 1999

Dear Gentlepersons:

In reviewing the proposed solid waste management plan date 1/7/99, the Township Board of the Charter Township of Monitor has some questions and potential concerns related to number "3" on page III-33 of the plan.

The proposed impact or "tipping" fees may or may not be valid, however we would want to know precisely where these funds would be earmarked. Specifically if the county shall incur extra costs related to the adoption of this plan and the fees are meant to defray those specific costs, this may be a valid avenue; however if this cost relationship cannot be established we, the Township Board would object to any fees collected by the county related to this plan.

In reading page D-1 paragraph 2 of the plan, the county does not expect to take on any responsibility in implementing this plan. If this is indeed the case there is NO justification for the collection of any fee, tax, or any other income from the implementation of the terms of this plan.

We would prefer that the questionable paragraph be removed, and that if there are any fees collected in connection with the implementation of this plan, that there be a direct relationship to the actual costs of such implementation.

Sincerely,

Erwin M. Hutter, Clerk
Charter Township of Monitor



DEPARTMENT OF PLANNING

MIDLAND COUNTY SERVICES BUILDING
220 WEST ELLSWORTH STREET, ROOM 307

PHONE (517) 832-6879
FAX (517) 832-6602

MIDLAND, MICHIGAN 48640-5194



March 10, 1999

Richard Byrne, Chairman
Bay County Solid Waste Planning Committee
515 Center Ave.
Bay City, MI 48708-5994

Re: Bay County Solid Waste Plan

Commissioner Byrne:

The Midland County Planning Commission staff has reviewed the Bay County Solid Waste Plan and finds it to be compatible with the Midland County Solid Waste Plan in its current format. Midland County has not completed their Plan. The City of Midland owns and operates the only landfill in the County and specifies that this landfill may only be used for wastes generated in Midland County. As such, all counties who name Midland County as a potential importer or exporter of waste to or from their county should be aware that this transfer of waste would only take place under special conditions negotiated by reciprocal agreement outside of the Plan document.

Thank you for the opportunity to comment on the Bay County Plan.

Sincerely,

Cynthia E. Winland
Planner

Robert R. Eggers
Planner

RECEIVED
BAY COUNTY BOARD OF COMM.

MAR 25 1999

For:
By:

Charter Township of Bangor

Mike Campbell, Supervisor

Supervisor 517-684-8931
Clerk 517-684-8041
Treasurer 517-684-8531

180 State Park Dr
Bay City, MI 48706

Assessor 517-684-7100
Inspection 517-684-5427
Fax Number 517-684-5644

March 16, 1999

Bay County
County Development Department

MAR 18 1999

Ms. Valerie Keib, Committee Coordinator
Bay County Solid Waste Management Plan
Update Committee
515 Center Avenue
Bay City, Michigan 48708

RE: Bay County Solid Waste Plan

Dear Ms. Keib and Committee Members:

After reviewing the proposed Bay County Solid Waste Plan, we are not in favor on the language in number 3 on page III-33.

It is our belief that nominal county impact fees, designated specifically for enforcement, implementation and/or update of the plan could be justified if the fees were allocated precisely for these purposes. Following their legal councils advice, the Bay County Commission have refused to write reciprocal agreements with other counties included in the plan. They have consistently distanced themselves from any implementation and enforcement.

If a tipping fee is imposed on the one landfill operating in Bay County while Bay County trash is being exported out to other landfills, a hardship may be created for the landfill owners. The possibility of lower trash pickup contacts in the future may be impacted and such tipping fees could become a future incentive for siting additional solid waste landfills and/or incinerators within Bay County.

It is our opinion that number 3 on page III-33 either be entirely eliminated or should reflect only a nominal fee limited to implement all aspects of the Bay County Solid Waste Management Plan.

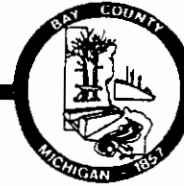
Sincerely,


Mike Campbell
Supervisor

DEPARTMENT OF ENVIRONMENTAL
AFFAIRS AND COMMUNITY DEVELOPMENT

VALERIE KEIB, DIRECTOR

ENVIRONMENTAL AFFAIRS
GEOGRAPHIC INFORMATION SYSTEMS
GYPSY MOTH SUPPRESSION
HOUSING & COMMUNITY DEVELOPMENT
MOSQUITO CONTROL
PLANNING
SOIL EROSION
TRANSPORTATION PLANNING



BAY COUNTY

THOMAS L. HICKNER
COUNTY EXECUTIVE

(517) 895-4135
FAX (517) 895-4068
TDD (517) 895-4049

Solid Waste Management Plan Update Committee

May 20, 1999 at 3:00 p.m.

Commissioners' Fourth Floor Conference Room

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
- V. Valerie Keib
 - Updates
- VI. Cindy Winland/East Central Michigan Planning and Development Region
 - Review Current Draft of Plan - Final Revisions
- VII. Approval of Plan by Committee
- VIII. Public Input
- IX. Miscellaneous
- X. Adjourn

MEETING NOTICE

To: Solid Waste Management Plan Update - Interested Parties

From: Valerie Keib, Committee Coordinator

Date: May 6, 1999

Subject: Committee Meeting: May 20, 1999

A meeting of the Solid Waste Management Plan Update Committee has been scheduled for Thursday, May 20, 1999 @ 3:00 P.M. in the Commissioners Fourth Floor Conference Room, Bay County Building.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

VK/ied

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media
John Bukowski

BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

Meeting notes from the April 22, 1999 meeting held at 3:00 p.m. at the Bay County Building.

Attendance: Richard Byrne, Dale Johnson, Larry Fairchild, Kim Short, Jeff Tucker, Carl Reinke, Susan Hewitt, Mary Kusterer, Leo Rokosz, Judy Barber, Valerie Keib, Cindy Winland, Mark Harnden (Williams Twp), Sharon Stalsberg (Pinconning Twp), Warren Sinke (Monitor Twp), Donald Meyer (Merritt Twp), John Bukowski (Portsmouth Twp), and Robert Pawlak (Portsmouth Twp)

Absent: Sue Boies, Sue Fortune, Ed Golson

Order of Business

Call to Order - Meeting called to order by Richard Byrne at 3:00 p.m. and roll call was taken by Sue Hewitt

Approval of Minutes - Meeting minutes from March 2, 1999 were reviewed. Larry Fairchild moved to accept the minutes as written with support from Leo Rokosz. Motion carried.

Solid Waste Plan Update Review - Valerie Keib and Cindy Winland discussed with the committee members and Township officials comments that have been received from the Michigan Department of Environmental Quality (MDEQ) regarding the Bay County Solid Waste Update Plan. (Attachment #1) The MDEQ is requesting more detail and clarification regarding certain sections of the plan.

Cindy Winland will review the MDEQ questions, and will submit responses to committee members to review prior to the next meeting. She will also review the responses with the MDEQ to make sure the answers are satisfying their questions.

Mary Kusterer moved to have Cindy Winland respond to questions raised by the MDEQ regarding the Bay County Solid Waste Update Plan. Judy Barber second the motion. The motion carried.

Round table

Larry Fairchild - *How can the county not have a role in the Plan, if it is a Bay County Plan?*
The County is being the lead in putting together the Plan, but the municipalities will be responsible for implementing the Plan. The County will not be responsible for implementing the Plan.

Leo Rokosz - Brought up discussion regarding the wording in **bold print** on page III-33 regarding tipping fees. Leo asked why the wording had to be in the Plan since so many Townships are opposing it. Cindy Winland explained that if the wording on tipping fees is not listed now, the Bay County Solid Waste Plan would have to be amended in the future in order to add it.

Leo Rokosz moved to delete the wording in **bold print** regarding tipping fees. The sentence reads, "*Bay County may enact an ordinance to establish a tipping fee on solid waste disposed of in Bay County for the purposes of implementing and operating the responsibilities of the Designated Planning Agency, as appointed by the Bay County Board of Commissioners, including but not limited to all aspect of the Solid Waste Management Plan.*" The motion was seconded and carried.

Mary Kusterer - Moved to change the word "require" to "encourage" on page II-18, first full paragraph, in the following sentence. "*The fourth alternative is to maintain the current solid waste collection system but **require** co-collection of trash and recyclables for all household that subscribe to trash collection.*"

Mary Kusterer moved to change the word with support from Dale Johnson. The motion carried.

On page III-13, Mary commented that the acres listed for Brent Run Landfill's total property size and total area sited for use were transposed. These numbers will be corrected.

Dale Johnson - *Is the Bay County Solid Waste Update Committee responsible for enforcement of the Plan?* Valerie Keib responded that the MDEQ will be responsible for enforcement of the Plan.

Public Comment - The following public comment was received:

Mark Harnden (Williams Twp) - Asked if the public comment period ended April 21st or April 29th. Cindy Winland stated that the public comment period ended April 21st.

Next Meeting

The next meeting of the Bay County Solid Waste Management Plan Update Committee will be held on Thursday, May 20, 1999 at 3:00 p.m. in the Bay County Building.

Any committee member who is not able to attend a meeting should call Valerie Keib at 895-4135 prior to the meeting.

Meeting Adjourned

The motion to adjourn the meeting was approved. The meeting was adjourned at 3:45 p.m.

Requests removal of this paragraph. If any fees are collected as a result of the plan, they should be in a direct relationship to the actual costs of such implementation. This is stated by Pinconning, Fraser and Monitor Townships.

Pinconning Township further expresses concern that an additional fee in Bay County while the county continues to export solid waste to other counties, the Whitefeather Landfill owners will operate in hardship (no other area counties have a tipping fee, although Saginaw has proposed one). They express concern that fees to haul trash under future contracts with haulers will increase, and that the fee could provide incentive to site additional solid waste landfills and/or incinerators in Bay County.

William Tacey of Hampton Township spoke in general agreement with these points during the Public Hearing.

Page D-1, Paragraph 2

Bay county chooses not to engage in implementation of the plan. Monitor township would therefore find "....no justification for the collection of any fee, tax or any other income from the implementation of the terms of this plan." This is also the opinion of Fraser Township and Pinconning Township.

II MDEQ COMMENTS

Generally speaking, MDEQ feels some **analysis and information** is missing from the plan. This is true for items 1-10. Please refer to the attached correspondence from MDEQ for details on these items.

Items 8 and 11 speak specifically to **identification of the management responsibilities and institutional arrangements necessary for the implementation of the plan**, and the apparent conflict arising from stating that the county will not implement the plan, but will be responsible for monitoring, enforcement and educational and informational programs.

III My comments:

Tipping Fee

Cindy Winland has assembled a summary response to the question on the tipping fee language, as this question has generally arisen throughout the state in review of plans.

Saginaw County intends to recommend a tipping fee of \$0.50/cubic yard. During the planning period, they discussed the fact that no other local counties have tipping fees. By imposing such a fee, the incentive to use the Saginaw County landfills is diminished.

Given the vast mergers in the local solid waste companies, which have resulted in single ownership of most (if not all) of the local landfills, there would be strong incentive to stop use of the Saginaw County landfills and take trash elsewhere. This is because the additional tipping fee cost would outweigh the additional distance traveled for hauling costs.

Saginaw County is under litigation on this matter. If Saginaw County loses the case in court, it is likely that tipping fees (outside of those stated in the law for host communities) will be illegal. If so, no county will have this option available.

If Bay County charged a \$0.50/cubic yard tipping fee, and Whitefeather maintained its current estimated annual disposal volume, approximately \$190,000.00 could be available. Even if this were halved, at \$95,000, this is a significant source of potential funding for implementation, regulation and education regarding solid waste planning in the county. Due to the merger activities; however, it is entirely uncertain whether the past average volume of solid waste disposal will continue, and the issues discussed by the Saginaw County Solid Waste Committee (above) should be considered.

Bay County would have to enact an ordinance to have a tipping fee in any case. There are two ways to enact an ordinance: (1) A proposed ordinance would generally require a two thirds vote of the Board of Commissioners, effective on the date of publication in the local newspapers. Within 50 days, 20% of the electors in the county would have to submit a signed petition to put the matter to a public vote; (2) At least three successive board meetings, with a public notice, public hearing, and public input period would be needed, with a final vote by the board requiring a majority vote of the Board of Commissioners to enact the ordinance.

If the language is deleted from the plan as requested, the county would also have to appoint a new Solid Waste Plan Committee and amend the plan following statutory requirements similar to the process being followed to update the plan at this time. The amended plan would have to allow the county to take such action, and then be approved by the County, MDEQ and a 67% majority of the county municipalities (twelve).

MDEQ issues

I believe that Cindy Winland will have to speak to the points made by the state with regards to any missing analysis or information. In general, these items were not detailed because, as we state in the plan, the existing methods are considered the best methods. We may need to meet again on a revised version before recommending the plan to the Board of Commissioners.

The County has no intention of involving itself in management of solid waste or implementation of the plan. If clarification to the plan is needed, it should specifically

remove any language implying otherwise. The committee members have the ultimate vote on this issue, and if it chooses to designate the county to perform any of these activities, several other items within the plan will need to be addressed, and a funding mechanism will be required. I caution the committee members to consider that the Board of Commissioners must vote to approve the plan, and will not support designation of the county as the responsible agent for these items. Again, I believe that Cindy Winland will be able to provide some recommendations on this issue



JOHN ENGLER, Governor
DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

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INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

April 22, 1999

Ms. Valerie Keib, Director
Bay County Environmental Affairs and Community Development
515 Center Avenue
Bay City, MI 48708

Dear Ms. Keib:

I have received a copy of the draft Bay County Solid Waste Management Plan Update (Plan). I will address our comments in the same order as the topics appear in the Plan. In my opinion, the following areas of the County's Plan may be of cause for concern and may require revision or additional information.

- 1) On page II-3, under DATA BASE-SOLID WASTE DISPOSAL AREAS, the only type of solid waste disposal areas listed are landfills. Other solid waste disposal areas would include transfer facilities, incinerators, and processing plants. If the County currently uses such solid waste disposal areas, they should be listed in the Plan.
- 2) There was no description of current and projected centers of solid waste generation, including industrial waste for five and ten year periods, within the LAND DEVELOPMENT section of the data base on page II-16. Please add this information. Page II-16 was also duplicated on the following page. Please remove this page.
- 3) On page II-17, under SOLID WASTE MANAGEMENT ALTERNATIVES, there was no evaluation for each alternative for the following management components; waste reduction, pollution prevention, resource conservation, resource recovery, volume reduction, sanitary landfill, collection processes and transportation, ultimate disposal area uses, institutional arrangements, and recycling and composting programs. The evaluation criteria are outlined in Rule 711(d) of the Part 115 Administrative Rules. Please summarize Bay County's evaluation of the components listed above.
- 4) On page III-1, under SELECTED SOLID WASTE MANAGEMENT SYSTEM, there was no information provided describing the selected system. Please provide this information.
- 5) On page III-2 and III-4, under IMPORT AUTHORIZATION (Table 1-A) and EXPORT AUTHORIZATION (Table 2-A), information was only placed in the first two columns. To the degree possible, please fill in the columns labeled facility name, authorized daily quantity, authorized annual quantity, and authorized conditions.

6) On page III-17, the techniques described on this page are not VOLUME REDUCTION TECHNIQUES, but instead are recycling and composting programs. Volume reduction involves the use of a process to reduce the physical size of the waste. Compaction is a commonly used technique, as is incineration. Other methods, such as shredding could also be used to reduce the waste volume. It is that type of process that should be listed on this page.

7) On page III-14, under FACILITY DESCRIPTION for Hampton Township Transfer Station, the final disposal site and location for incinerator ash or transfer station wastes was not listed. Please provide this information.

8) On page III-31 under SOLID WASTE MANAGEMENT COMPONENTS, there was no identification of the management responsibilities and institutional arrangements necessary for the implementation of the Selected Waste Management System. Please provide this information.

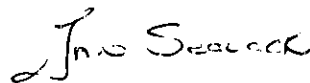
9) Pages III-30 and III-34, indicate that Bay County has greater than 10 years capacity. However, no demonstration was provided to show that this is so. This should be demonstrated in the Plan.

10) On page A-7, under EVALUATION SUMMARY OF THE SELECTED SYSTEM, there was no evaluation summary written. Please provide this information.

11) On page D-1, under PLAN IMPLEMENTATION STRATEGY, it is stated that the County will have no direct role in the implementation of the Plan. On page III-32, Bay County Designated Planning Committee is identified as the responsible party for Plan update monitoring, enforcement and educational, and informational programs. This information is contradictory and should be clarified to clearly identify the County's role in Plan implementation.

I appreciate the efforts that you have shown in the development of the Plan and the degree that the Plan Format has been utilized. This makes the document much easier to review. I hope that these comments are useful to Bay County as you attempt to develop an approvable Plan. If you have any further questions or comments, please feel free to contact me.

Sincerely,



Jan Sealock
Solid Waste Management Unit
Waste Management Division
517-373-4740
e-mail sealockj@state.mi.us



NATIONAL REGISTER OF HISTORIC SITES
MICHIGAN HISTORIC REGISTER #420

CITY MANAGER
(517) 894-8147

City of Bay City

301 WASHINGTON AVE.
BAY CITY, MICHIGAN 48708
FAX: (517) 894-1070

May 6, 1999

Mr. Eugene Gwizdala, Chairman
Bay County Board of Commissioners
Bay County Building
515 Center Avenue
Bay City, MI 48909

Dear Gene:

At the Finance/Policy Meeting of May 4, 1999, the Bay City Commission took up the issue of considering the proposed, Bay County Solid Waste Plan. In that process, a number of concerns were raised regarding the proposed potential for the imposition of "tipping fees" included within the Draft Plan. With no definitive information on the unit charges to be imposed; no information as to the approximate revenues which might be generated; and no apparent designated use for such funds; the City Commission was left with enough unanswered questions that they felt ill-advised to adopt the Plan as presented.

As a result, the City Commission formally referred the matter back to City staff -- with instructions to request more information from the County on its proposed, Solid Waste Plan and, in particular, on the provision for the imposition of "tipping fees", prior to any final City Commission action on the matter. It is my perception, and that of many of the Commissioners, that the Plan would likely receive approval in the absence of the clause/provision which would allow for the imposition of fees.

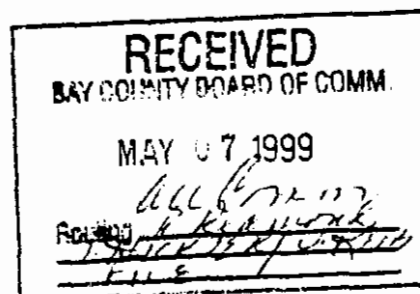
I would very much appreciate your clarification on this matter if at all possible prior to the City's next-scheduled City Commission Meeting on May 17, 1999. Your prompt attention to this matter is much appreciated.

Sincerely,

James M. Palenick
City Manager

JMP/mtb

C: Mayor and City Commission
Board of County Commissioners
Ed Golson, Assistant to the City Manager
File



Douglas A. Bell, AICP
Community Planning Consultant

214 East State Street
Clare, Michigan 48617

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

April 23, 1999

Ms. Valerie Keib, Director
Bay County Department of Environmental Affairs
515 Center Avenue
Bay City MI 48708

RE: Bay County Solid Waste Management Plan Update

Dear Valerie:

I have reviewed the draft Bay County Solid Waste Plan Update. I find the Bay County Plan to be compatible with the updated plans for the following counties: Arenac, Gladwin, Iosco, Isabella, Ogemaw, Roscommon, and Tuscola. Bay County has been identified for acceptance of solid waste generated within these counties in the "Export Authorization" section of the respective county plans.

The plans for these counties are in various stages of preparation. The Tuscola County Plan has been approved by the County Board, but it has not yet been locally approved by the municipalities. The Gladwin and Ogemaw Plans are out for public review. The others have not yet been released for public review and comment. The Arenac and Roscommon Plans may be released for review in June. The Iosco and Isabella Plans will not be completed for several months.

Please be advised that there may be a problem with the current listing for Clare County in Bay County's Plan. In Table 1-A (page III-2), Clare County is authorized to export solid waste to Bay County for disposal without any special conditions. At this point, Clare County has authorized solid waste exports to Bay County only on a contingency basis.

Also, it is my understanding that the Bay County Plan intends to authorize solid waste exports to Clare County since the plan lists the Northern Oaks Landfill on page III-6 and includes a facility description for this landfill in the following pages. However, Clare County is not identified for acceptance of solid waste from Bay County in Table 2-A (page III-4). At this point, Clare County has authorized solid waste imports from Bay County only on a contingency basis.

The Clare County Solid Waste Plan Update has not yet been released for public review. It is my understanding that the listing of counties that would be authorized to export solid waste to the Northern Oaks facility is still under review and discussion.

April 23, 1999
Ms. Valerie Keib, Bay County
Page 2

Any communications regarding the Clare County Plan should be directed to their designated planning agency: Timothy Wolverton, County Administrator, 225 West Main, Harrison MI 48625, phone 517-539-2510.

Thank you for the opportunity to comment on the Bay County Solid Waste Plan. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Douglas A. Bell". The signature is written in a cursive style with a large, stylized "D" and "B".

Douglas A. Bell, AICP
Project Consultant to Arenac, Gladwin, Iosco,
Isabella, Ogemaw, Roscommon, and Tuscola Counties

xc: Sue Fortune, ECOMPDR

STATE OF MICHIGAN



JOHN ENGLER Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

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RUSSELL J. HARDING Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

May 17, 1999

Ms Valerie Keib
Director
Bay County Environmental Affairs
and Community Development
515 Center Avenue
Bay City, Michigan 48708

Dear Ms. Keib:

The purpose of this letter is to inform you that, due to recent staff changes within the Solid Waste Management Unit, your solid waste planning coordinator has changed. I have been assigned as the new solid waste planning coordinator for your County.

While resources within the Department of Environmental Quality continue to be limited, to the extent possible, I would like to continue to assist all of my assigned counties during the development and preparation of their Solid Waste Management Plans (Plans). As you develop sections of your Plan, I encourage you to forward any draft language you would like me to review. In addition, I will provide formal comments during the 90-day public comment period of the County's Draft Plan.

Please add my name to the mailing list for the Solid Waste Management Planning Committee (SWMPC). To further assist me, please forward a brief summary of the status of the development of your County's Plan and when you expect the SWMPC to put the Draft Plan out for the 90-day public comment period. I will be contacting you in the future to get further updates on the status of the SWMPC in the development of your County Plan.

Please contact me if you have any questions. I appreciate the efforts of both you and the SWMPC thus far in the development of your Plan and look forward to working with your County.

Sincerely,

Melinda Ann Keillor
Solid Waste Program Section
Waste Management Division
517-373-4741
keillor@state.mi.us

cc: Bay County File

Round Table

Mary Kusterer - Check that on page II-18, the word *required* was changed to *encourage*, as discussed in the last meeting. It was checked, and the wording was changed.

Judy Barber - Recommended that a word search be conducted of the plan, and add the word "cities" whenever Counties or Townships are listed in the plan. It was agreed to make this change.

Valerie Keib - A letter was received from the City of Bay City, after the public review period, stating that they didn't like the tipping fee. The tipping fee wording has already been taken out of the plan.

Solid Waste Update Plan Approval

Mary Kusterer moved to approve the Bay County Solid Waste Update Plan and to send the plan to the MDEQ for approval. Kim Short second the motion. The motion passed 7-0.

The Solid Waste Update Plan will also be sent to:

- * The Bay County Planning Board for approval at the May 25, 1999 meeting.
- * The Bay County Board of Commissioners for approval at the June 8, 1999 meeting.

Public Comment

John Bukowski, Portsmouth Township, stated that he had not been informed in writing of all the Solid Waste Update Plan meetings. (It was noted by Mr. Bukowski at the May 25 County Planning Committee meeting that some of the mailings directed to him had been sent to a different address.) Also, he stated that he was unsure how the Committee could make decisions so quickly, at the previous meeting, regarding the MDEQ's recommended changes to the Plan. Cindy Winland stated that the MDEQ's recommended changes had been mailed out to Committee members prior to the meeting for review.

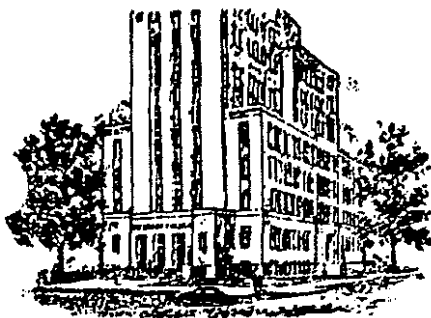
Next Meeting

If the Solid Waste Update Plan is accepted by the MDEQ and Bay County, another meeting of the Committee will not be needed. If small changes are required to the Plan, a consensus of Committee members will be taken over the phone.

Richard Byrne, thanked the Committee members for their time to serve on the Bay County Solid Waste Update Plan.

Meeting Adjourned

Mary Kusterer moved to adjourn the meeting with support from Kim Short. Motion approved. The meeting was adjourned at 3:50 p.m.



BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

MEMORANDUM

BAY COUNTY BUILDING 1932

JUN 1 1999

Eugene F. Gwizdala
Board Chairman
7th District

Richard L. Byrne
Vice-Chairman
1st District

Lloyd W. Pajot
2nd District

Scott S. Holman
3rd District

Edward L. Rivet
4th District

Paul L. Brissette
5th District

Peter J. Kaczmarek
6th District

Michael F. Halstead
8th District

Shirley A. Burley
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

To: Planning Committee

From: Richard L. Byrne, Chair, Solid Waste Committee/Planning Committee

Date: May 21, 1999

Subject: Bay County Solid Waste Management Plan

The Bay County Solid Waste Committee met on Thursday, May 20, 1999 and, as a result, is recommending approval of the Solid Waste Plan as submitted to the full Board in January, 1999, with the insertion of page III-33 that refers to Local Ordinances and Regulations affecting Solid Waste Disposal. The vote of the Solid Waste Committee was unanimous.

A favorable recommendation for approval of the Bay County Solid Waste Management Plan from the Planning Committee to the full Board is requested.

XT 217



NO.

RESOLUTION

6/8/99

BY: PLANNING COMMITTEE (5/25/99)

WHEREAS, Bay County was invited by the Michigan Department of Environmental Quality to update the existing Solid Waste Management Plan for the County; and

WHEREAS, Based upon Bay County and its communities' strong interest in solid waste management issues, a Bay County Solid Waste Management Plan Committee was named; and

WHEREAS, The Bay County Solid Waste Management Plan Committee met on several occasions and, as a result, an updated Bay County Solid Waste Management Plan was developed and approved unanimously; Therefore, Be It

RESOLVED By the Bay County Board of Commissioners that the **revised Bay County Solid Waste Management Plan** as presented by the Bay County Solid Waste Management Plan Committee through the Bay County Planning Committee is hereby approved and shall be submitted to the local units of government for their review and approval.

RICHARD L. BYRNE, CHAIRMAN
PLANNING COMMITTEE

641PLAN.

BAY COUNTY BOARD OF COMMISSIONERS _____ MEETING

RESOLUTION NO. _____

MOTION NO. _____

MOVED BY COMM _____

SUPPORTED BY COMM _____

VOTE:

ROLL CALL: YEAS _____ NAYS _____ EXCUSED _____

VOICE: YEAS _____ NAYS _____ EXCUSED _____

DISPOSITION: ADOPTED _____ DEFEATED _____ WITHDRAWN _____

AMENDED _____ CORRECTED _____ REFERRED _____



BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

MEMORANDUM

BAY COUNTY BUILDING 1932

Eugene F. Gwizdala
Board Chairman
7th District

Richard L. Byrne
Vice-Chairman
1st District

Lloyd W. Pajot
2nd District

Scott S. Holman
3rd District

Edward L. Rivet
4th District

Paul L. Brisette
5th District

Peter J. Kaczmarek
6th District

Michael F. Halstead
8th District

Shirley A. Burley
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

To: Valerie Keib, Director, Environmental Affairs and
Community Development

From: Deanne Berger, Board Coordinator

Date: June 9, 1999

Subject: Board Action: 6/8/99

JUN 11 1999

=====

At the above referred to meeting, the Bay County Board of Commissioners approved the following resolutions:

1. No. 99-143 - Independence Park Boat Launch - additional engineering design services - agreements
2. No. 99-146 - Planner and GIS/Remonumentation Coordinator
3. No. 99-154 - Revised Solid Waste Management Plan
4. No. 99-156 - MDEQ CZM Grant - Pinconning Park

Resolution no. 99-155 re the County's not forming a Brownfield Redevelopment Authority was referred to the Community Services Committee for further consideration.

cc: Bob Redmond
Tom Hickner
Michael Gray
Martha Fitzhugh
Brian Redmond
Michael Regulski



NO.

RESOLUTION

BY:

WHEREAS, Bay County was invited by the Michigan Department of Environmental Quality to update the existing Solid Waste Management Plan for the County:

and

WHEREAS, Based upon Bay County and its communities' strong interest in solid waste management issues, a Bay County Solid Waste Management Plan Committee was named; and

WHEREAS, The Bay County Solid Waste Management Plan Committee met on several occasions and included municipalities in the process and, as a result, an updated Bay County Solid Waste Management Plan was developed and approved unanimously; and

WHEREAS, The updated plan was approved by the Bay County Board of Commissioners as presented by the Bay County Solid Waste Management Plan Committee and has been submitted to the local units of government for their review and approval; Therefore Be It

RESOLVED, By the Bay City Board of Commissioners that the updated Bay County Solid Waste Management Plan, as presented by the Bay County Board of Commissioners, is hereby approved.



BAY COUNTY BUILDING 1932

BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

ATTENTION TO ALL BAY COUNTY MUNICIPALITIES

City Managers and Township Supervisors

Eugene F. Gwizdala
Board Chairman
7th District

Richard L. Byrne
Vice-Chairman
1st District

Lloyd W. Pajot
2nd District

Scott S. Holman
3rd District

Edward L. Rivet
4th District

Paul L. Brissette
5th District

Peter J. Kaczmarek
6th District

Michael F. Halstead
8th District

Shirley A. Burley
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

June 15, 1999

RE: Municipal Approval
Solid Waste Management Plan Update

Dear Ladies and Gentlemen:

On behalf of the Bay County Solid Waste Management Plan Update Committee and the County of Bay, thank you for your participation during the process of updating the plan

The Committee removed the language regarding the county's ability to create a tipping fee in response to your input. No other substantial changes were made; however, some minor revisions were included in the final plan. The enclosed updated plan was approved by the Bay County Board of Commissioners on June 8, 1999.

The next step in the process is municipal review and approval. When 67 percent of the county municipalities formally approve of the updated plan, it will be submitted to the state for final approval.

We seek your approval of the enclosed updated plan by formal resolution. Can you please send your official response to Valerie Keib, Director of Environmental Affairs and Community Development at 515 Center Avenue, Bay City, Michigan 48708. Please contact Valerie at 895-4196 with any questions.

Best regards,

Eugene Gwizdala
Chairman, Board of Commissioners

EG/VJK:ied

Enclosure



MEMORANDUM

TO: Commissioner Richard Byrne

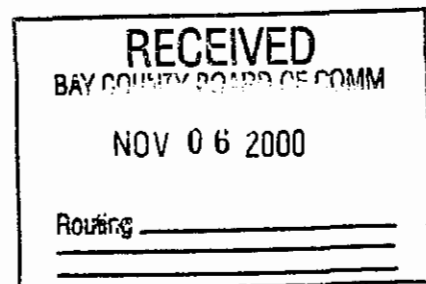
FROM: Irene E. Dinauer *IED*

DATE: November 6, 2000

RE: Correction of 10/18/00 SWMP Meeting Minutes

Sue Boies called me Friday, November 3rd to inform me that the minutes of the Solid Waste Management Plan Update Committee of October 18th needed the following correction: Motion 1 was made by Susan Hewitt and not Sue Boies.

The correction will need to be addressed at your next meeting on November 13th. Sorry for any confusion that this may have caused.



SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

MINUTES

MEETING OF THE BAY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE ON WEDNESDAY, OCTOBER 18, 2000 IN THE COMMISSIONER'S FOURTH FLOOR CONFERENCE ROOM, BAY COUNTY BUILDING.

MOTION NO.

MEMBERS PRESENT		1	2	3	4	5	6	7	8
RICHARD L. BYRNE, CHAIR	P	Y	y						
JOHN ANDRUS	A								
JUDY BARBER	P	S/Y	Y						
SUE BOIES	P	M/Y	Y						
STEVE ESSLING	P	Y	Y						
LARRY FAIRCHILD	E								
SUE FORTUNE	E								
EDWARD GOLSON	P	Y	M/Y						
SUSAN HEWITT, SEC.	P	Y	Y						
DALE R. JOHNSON	P	Y	Y						
MARY KUSTERER	P	Y	S/Y						
CARL REINKE	P	Y	Y						
LEO ROKOSZ	E								
JEFF TUCKER	P	ABS	Y						

OTHERS PRESENT: L. MASTER, D. MATTHEW, J. KART, S. GLYSSON, R. REDMOND, V. KEIB, F. FITZHUGH, E. RIVET, I. DINAUER, W. TACEY

MEETING CALLED TO ORDER AT 3:04 P.M. BY CHAIRMAN BYRNE.

M-MOVED; S-SUPPORTED; Y-YEA; N-NAY; ABS.-ABSTAIN; E-EXCUSED; A-ABSENT

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

MINUTES

Meeting of the Bay County Solid Waste Management Plan Update Committee on Monday, November 13, 2000 in the Commissioner's chambers, Bay County Building.

MOTION NO.

MEMBERS PRESENT		1	2	3	4	5	6	7	8
RICHARD L. BYRNE, CHAIR	P	Y	Y	Y	M/Y				
JOHN ANDRUS	P	Y	N	Y	Y				
JUDY BARBER	P	M/Y	N	S/Y	Y				
SUE BOIES	P	Y	N	Y	Y				
STEVE ESSLING	P	S/Y	N	Y	Y				
LARRY FAIRCHILD	A								
SUE FORTUNE	A								
EDWARD GOLSON	P	Y	S/Y	Y	Y				
SUSAN HEWITT	P	Y	Y	Y	S/Y				
DALE R. JOHNSON	P	Y	Y	Y	Y				
MARY KUSTERER	P	Y	Y	Y	Y				
CARL REINKE	P	Y	M/Y	Y	Y				
LEO ROKOSZ	P	Y	Y	M/Y	Y				
JEFF TUCKER	A								

OTHERS PRESENT: S. GLYSSON, C. WINLAND, J. BUKOWSKI

MEETING CALLED TO ORDER AT 3:02 P.M. BY CHAIRMAN BYRNE

M-MOVED; S-SUPPORTED; Y-YEA; N-NAY; ABS-ABSTAIN;
P-PRESENT; E-EXCUSED; A-ABSENT

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE
NOVEMBER 13, 2000
PAGE 1

Committee Chair recapped the current status of the Bay County Solid Waste Management Plan. The new owner of Whitefeather Landfill, Republic Waste Services, has asked that an additional twenty-three counties be included in the Bay County Solid Waste Plan. Republic Waste has experienced an approximate 90% decrease in volume at the Whitefeather Landfill. The decrease is the result of an agreement between Republic Waste Services and Waste Management that contracts entered into before the sale of the landfill shall be retained by Waste Management. Many of those contracts will not expire for five to ten years. In order for Republic Waste Services to keep the Whitefeather Landfill open, they are requesting they be permitted to accept waste from twenty-three additional counties to lower operating costs. The twenty-three additional counties include: Charlevoix, Alpena, Antrim, Cheboygan, Crawford, Manistee, Osceola, Lapeer, Grand Travers, Montmorency, Leelanau, Benzie, Oscoda, Wexford, Mecosta, Alcona, Presque Isle, Otsego, Emmet, Kalkaska, Missaukee, Huron, and Clinton.

Since the last meeting, the Bay County Board of Commissioners rescinded the Bay County Solid Waste Management Plan they received earlier, and have sent the plan back to the Solid Waste Management Plan Update Committee for updating.

Meeting Minutes

Minutes from the meeting held on October 18, 2000 were reviewed, and the following comments made:

- 1) John Andrus' absence was excused for the meeting.
- 2) Republic Waste Services is asking for 23 counties, not 24, to be added to the plan. Alcona had been listed twice.
- 3) The committee members who moved and supported the two motions has been reversed between motions.
- 4) On page one, in the third paragraph, delete the words "not an issue concerning this committee," so the sentence reads "It became the consensus of those present that the agreement between Pinconning Township and Republic Waste Services will not be incorporated into this plan."
- 5) On page two, motion one, change the word "inclusion" to "consideration" and change "twenty-four" to "twenty-three."

Judy Barber made a motion, with Steve Essling supporting, that the meeting minutes be approved with the above corrections. Motion passed.

Public Comment

The floor was opened for public comment. John Bukowski, of Portsmouth Township, stated that the current meeting had not been posted in the Bay City Times, and that he is not for adding additional counties to the plan.

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

NOVEMBER 13, 2000

PAGE 2

Meeting Discussion

A motion was made by Carl Reinke, and supported by Ed Golson, to request that the Bay County Solid Waste Update Plan include the addition of the above listed 23 counties. The floor was opened for discussion.

Sue Boies had several questions regarding the contract between Republic Waste Services and Pinconning Township that were answered by Stephanie Glysson and Cindy Winland.

- 1) *What is the "permitted" area for the next 20 years?*
Permitted is what is approved by the MDEQ and the Solid Waste Board.
- 2) *Wording in the contract could prevent people from stating their opinions regarding future expansions of the landfill, and should be deleted.*
This committee does not have authority to rescind the contract.
- 3) *What does it take to break a 5 year agreement?*
Both sides have to agree
- 4) *Expressed concern that out of state and out of country waste will be put into Whitefeather Landfill and there will not be room for Bay County waste.*
Currently 95% of Bay County solid waste is going to Saginaw and Genesee Counties. Republic's contract with Pinconning states that solid waste from outside the state and country will not be put into the Whitefeather Landfill, that is why there are requesting the additional 23 Michigan counties. Presently, only 8 of the additional 23 counties have Bay County listed in their solid waste plans.

Judy Barber had questions regarding:

- 1) *If Whitefeather Landfill has a 20 year capacity, why is there the need for expansion?*
In case solid waste exceeds expectations.
- 2) *When Republic purchased the 4 landfills from Waste Management, were the contracts also purchased?*
No, Wayne County contracts are the only ones still in place

There was discussion as to whether the Waste Management representative should abstain from voting since the Republic representative did. It was discussed by the committee that since the MDEQ mandated how the committee would be assembled, and that the Waste Management representative would not personally profit, that they would be allowed to vote.

Motion to add the 23 counties to the Solid Waste Plan was voted on by the committee and passed 7-4.

Sue Boies requested that a map of Michigan, with the counties outlined, should be added to the plan. A motion to add the map was made by Leo Rokosz, and supported by Judy Barber. Motion passed.

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE

NOVEMBER 13, 2000

PAGE 3

A public hearing date to review the Bay County Solid Waste Management Plan has been scheduled for January 4th at 5:00 p m at the 4th floor conference room of the Bay County building.

A motion to adjourn was made by Richard Byrne and supported by Susan Hewitt. Motion passed.

SOLID WASTE MANAGEMENT PLAN UPDATE COMMITTEE
NOVEMBER 13, 2000
PAGE 4

MOTION NO.

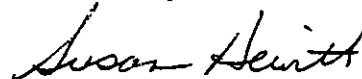
- 1 Moved, supported and carried to approve minutes of the
October 18, 2000, Bay County Solid Waste Management Plan Update
Committee, with the changes indicated.**

- 2 Moved, supported and carried to request the addition of the following
23 counties to the Bay County Solid Waste Management Plan for the
importing and exporting of solid waste: Charlevoix, Alpena, Antrim,
Cheboygan, Crawford, Manistee, Osceola, Lapeer, Grand Travers,
Montmorency, Leelanau, Benzie, Oscoda, Wexford, Mecosta, Alcona,
Presque Isle, Otsego, Emmet, Kalkaska, Missaukee, Huron, and
Clinton.**

- 3 Moved, supported and carried to add a map of Michigan that outlines
the counties into the Bay County Solid Waste Plan.**

- 4 Moved, supported and carried to adjourn at 4:15 p.m..**

Submitted by:



Susan Hewitt for Irene Dinauer

NOTICE OF PUBLIC HEARING

A public hearing will be held to hear comments regarding the proposed update to the Bay County Solid Waste Plan. The Solid Waste Plan was previously approved in draft form in 2000. The Solid Waste Plan Update Committee is proposing to include 23 additional counties in the list of counties from whom Bay County can accept waste for disposal in Bay County and to whom Bay County can send waste for disposal in the listed county. The additional 23 counties are, Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Clinton, Crawford, Emmet, Grand Traverse, Huron, Kalkaska, Lapeer, Leelanau, Manistee, Mecosta, Missaukee, Montmorency, Osceola, Oscoda, Otsego, Presque Isle and Wexford. This brings the total number of counties with whom solid waste may be transferred to 35.

The hearing will be held on January 4th, 2001 at 5pm in the Bay County Board of Commissioners Room, 4th floor, Bay County Building, 515 Center Avenue, Bay City, Michigan, 48708-5994. Written comments will be accepted until 5pm on January 4th, 2001. Please address all written comments to Chairman Richard L. Byrne, Solid Waste Committee at the same address. A copy of the current Solid Waste Plan may be viewed between 8:00am and 5:00pm at the Office of Environmental Affairs in the Bay County Building at the same address.

Pursuant to the Americans with Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executives office at (517)895-4130 or (517)895-4049 TDD.

MEETING NOTICE

To: Solid Waste Management Plan Update - Interested Parties
From: Commissioner Richard Byrne *RB/ied* Committee Chairperson
Date: January 3, 2001
Subject: Committee Meeting: January 4, 2001

A meeting of the Solid Waste Management Plan Update Committee has been scheduled for Thursday, January 4, 2001 at 5:00 p.m. in the Commissioners' Fourth Floor Conference Room, Bay County Building. The purpose of the meeting is to consider amendment of Solid Waste Plan to include additional counties to the reciprocal agreement.

Pursuant to the Americans With Disabilities Act, individuals with a disability may request aids/services within a reasonable time period to participate in the meeting. Contact Michael Gray, Director of Administrative Services, County Executive's Office, 515 Center Avenue, Bay City, MI 48708 (517) 895-4130; (517) 895-4049 TDD.

Madison Avenue and Center Avenue entrances to the Bay County Building are locked from 5:00 p.m. until 8:00 a.m. (closed Saturday, Sunday and holidays). After hours, access for meetings is available only through the barrier-free Fifth Street access door (at rear of the Building) which has adjacent parking. An elevator is available to reach meeting rooms on any floor.

RB/ied

cc: Bay County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Michael Regulski
News Media

Solid Waste Management Plan Update Committee

January 4, 2001 at 5:00 p.m.

**Bay County Building
515 Center Avenue
Commissioners' Fourth Floor Conference Room**

AGENDA

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes
- IV. Commissioner Byrne
 - Review of Agenda
 - Consider amendment to Solid Waste Plan to include additional counties to reciprocal agreement
- V. Public Input
- VI. Miscellaneous
- VII. Adjournment

Minutes from SW Committee Meeting Jan 4, 2001

January 4, 2001, Solid Waste Management Plan

Steve Essling - Waste Management (former owner of LF)
License - 2 years Saginaw District Office

Chairperson Richard Byrne call the meeting to order at 5:00 p.m.

Introductions were made and roll call was conducted

Approval of Minutes - tabled - not available

Dick ____ Committee approved plan 14 months ago
Board awaiting approval - Republic Services purchased

12 counties named in reciprocal agreement with Republic then requested an additional 24. Need 14 townships out of 18 to agree, then Chairperson Byrne will present to Board of Commissioners.

Chairperson Byrne recommended/requested amendment to Plan in October and November received 7 to 4 vote resulting in scheduled Public Hearing on this day.

Sale under Court Order
foot note

Solid Waste Management Plan - in effect 12 years

Elected Public Hearing - Notification

Our charge is to consider one amendment - the addition of 23 counties

Committee voted 7 to 4 to approve request from Republic. Motion was moved and supported

Public Comment

(Speaker 1) Tom Weer---
2408 E. 48th

Resident of Pinconning - opposed sump since start and now we've been asked to live with it
Asking name of firm to be good neighbors
- tone down backup alarm
- berm - 8 foot berm, northeast and south sides
- what happens once filled - wants public use

Terry Miller, Chairman
Lone Tree Council
4649 David

Why did public hearing held after - Next - Bay County then municipalities
It sounds good but seems to be about the cheapest way to dispose of solid waste. Republic

Why should Bay County residents bear costs 141 WSWLF 65 acre contaminated GW. Who assumes liability for cleanup, increased usage of roads, decrease life of landfill provided artificially low tipping fees
I will speak to Bay County to reject plan and reject 23 additional counties.
Dispose

(Speaker 2) Sharon Stalsburg - Pinconning Township Commissioner
Totally opposed to landfill 10 years ago.

DRAFT

Pinconning wants to increase tipping fees
Money 37, 84 13, 75

At least Pinconning Township

(Speaker 3) Joseph Holbrook
2717 lives as close as you can near landfill
Sound barrier needed - order is bad - never a problem before

(Speaker 4) Carol Sabourin
Pinconning Township
Perhaps odor is coming from some place else - maybe septic

(Speaker 5) Elaine Kochany
hears different story - concerned about Republic taking in too much from Canada
Several years ago county said not enough room - now Republic is stating they need more waste

(Speaker 6) Sharon Stalsburg
We can't hold for 24 hours - dispose

(Speaker 7) Matt Neely - Republic
spoke to several issues raised
- as long as it doesn't disrupt solid waste ____
- backup alarms need to be as loud as OSHA allows
- competitive bids
- we aren't looking to
- speak to issue of not buying/hauling DOJ required
waste management to divest landfill not hauling
- open door - call if interested in landfill operations ____
- Whitefeather - 3 million yards landfill
No concern

(Speaker 8) Brian Burke with Michigan Department of Environmental Quality
Clarify 24 hour holding - not true
"inter-state commerce" can control other counties in Michigan

-Re
who moved - pink
supported
motion carried

Question John - in reviewing document "Whitefeather Landfill shall not accept out-of-county timeless agreement"? To

Judy Barber - drove x state 3 hours
Why would Republic haul to Pinconning when they have Presque Isle? They say it's cheaper - Matt says they don't necessarily use it, but they need it for being competitive for flexibility for short term
Generators perspective

Sue - are you building a cell now? Yes - 90% complete - new cell vs. expansion-

Burke - Construction - design capacity
license to con____
expansion - new construction permit or new cells

DRAFT

4 cells not built but 'constructable' capacity

DRAFT

Steve - at September meeting decision made to hire Cindy Winland
ceratin changes - for updates - plan approved by Board of Commissioners

Dick - change is to amend as a footnote to board for housekeeping due to changes resulting from
landownership within past 18 to 24 months

Any committee members ? Or courts

Dick - next step - satisfied requirements for public meeting

Chairman of the Board - agenda is already printed
Matt & Steph. Will lose another month of getting OK from ____

Dick:

Terry Miller - why need for speed?

Cindy's a separate public notice could be printed by Republic

Judy - doesn't think waiting a month will matter much since plan has taken so long

Dick - The letter Chairman of the Board - a year ago if County Board recommended

Mary - wanted to mention they have 67 percent approved so she doesn't think it would take too long

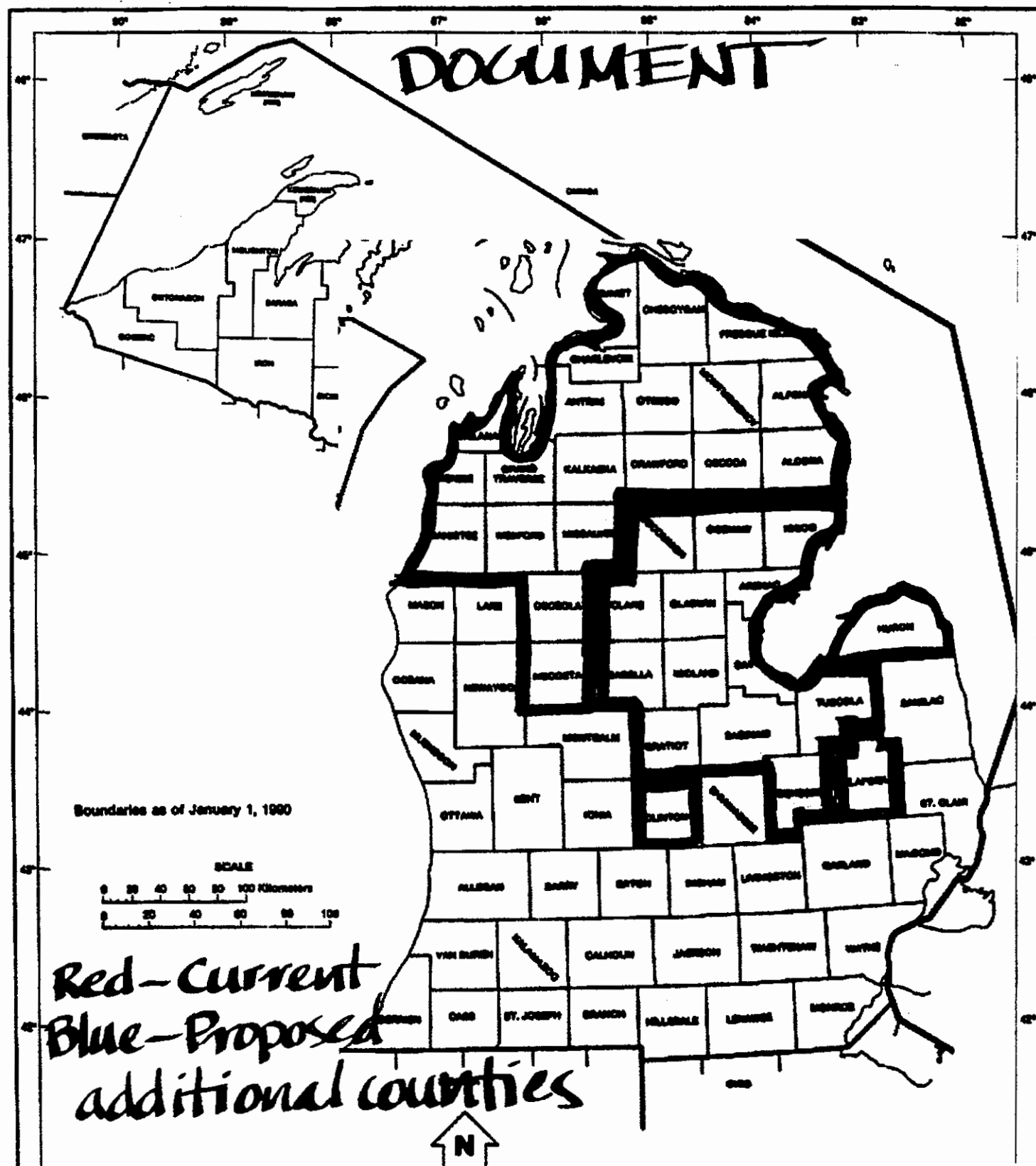
Out of Public hearing
into Committee
then if OK'd - Board of Commissioners
then if OK'd - municipalities

Addendum to Board of Commissioners
Jan. 9th 9:00 a m. Tuesday
Dick - Adjournment
Moved - supported

Republic will put notice in paper

BAY COUNTY SOLID WASTE PLAN PUBLIC HEARING

Counties



1/4/2001



BAY COUNTY BOARD OF COMMISSIONERS

515 Center Avenue Bay City, Michigan 48708-5994
(517) 895-4120 FAX (517) 895-4226 TDD (517) 895-4049

BAY COUNTY BUILDING 1932

MEMORANDUM

Edward L. Rivet
Board Chairman
4th District

To: Township Supervisors/City Managers

Eugene F. Gwizdala
Vice-Chairman
7th District

**From: Edward L. Rivet, Chairman
Bay County Board of Commissioners**

Richard L. Byrne
1st District

Date: January 17, 2001

Lloyd W. Pajot
2nd District

Subject: Revisions to Bay County Solid Waste Management Plan
=====

Scott S. Holman
3rd District

The Bay County Board of Commissioners has approved revisions to the Solid Waste Management Plan which reflects inclusion of 23 counties with whom waste can transfer. No other substantive changes have been made. Housekeeping changes will take place in various areas throughout the Plan to bring it up to date to include changing some of the facility description sheets to reflect new ownership and operating status.

Paul L. Brissette
5th District

Peter J. Kaczmarek
6th District

Michael F. Halstead
8th District

The next step in the process is to submit the revisions to municipalities within Bay County for their consideration. A resolution of approval from 13 units of government is required for the Plan to be approved after which it will be submitted to the Michigan Department of Environmental Quality for their final approval. In the event Bay County does not receive 13 resolutions of local approval, the Plan is submitted to the MDEQ indicating an impasse and requesting that they complete the process.

Shirley A. Burley
9th District

Deanne C. Berger
Board Coordinator
895-4121

Robert J. Redmond
Financial Analyst
895-4125

Attached is a copy of a sample resolution that has been used in other counties for approval of the Plan, along with the Import/export authorization and map outlining counties involved. Kindly submit the resolution to your Board for consideration and notify the Bay County Board of Commissioners of your action within 60 days of date of this letter.

**cc (letter only): County Commissioners
Tom Hickner
Michael Gray
Martha Fitzhugh
Laura Ogar
Cindy Winland, ECMPDR**

NO. 2001-008

RESOLUTION

1/9/01

BY: BAY COUNTY BOARD OF COMMISSIONERS

WHEREAS The Bay County Board of Commissioners has been in the process of updating its Solid Waste Management Plan and adopted resolution no. 99-154 approving the revised Plan; and

WHEREAS, Since that Plan was approved, several mergers in the solid waste industry occurred including the new ownership of the Whitefeather Landfill now owned by Republic Waste Services; and

WHEREAS, Republic Waste Services has requested the inclusion of twenty-three additional counties for import/export of solid waste to the County's Solid Waste Plan which will enable Whitefeather Landfill to have an expanded market from which it may solicit sufficient business to operate the facility; and

WHEREAS, Thirteen (13) municipalities in Bay County including Pinconning Township where Whitefeather Landfill is located have also requested that Bay County consider Republic Waste Services's request and have indicated that they will support an amendment to the County's plan if it includes the request made by Republic Waste Services; and

WHEREAS, As a result of these requests, resolution no. 99-154 was rescinded and the Solid Waste Management Plan Update Committee was reappointed; and

WHEREAS, The Solid Waste Management Plan Update Committee has considered the request and recommends in favor of inclusion of the twenty-three (23) additional counties for import/export of solid waste to the County's Solid Waste Plan; Therefore, Be It

RESOLVED That the Bay County Board of Commissioners concurs with the recommendation of the Solid Waste Management Plan Update Committee and approves inclusion of twenty-three (23) additional counties to the Bay County Solid Waste Management Plan as follows: Charlevoix, Alpena, Antrim, Cheboygan, Crawford, Manistee, Osceola, Lapeer, Grand Traverse, Montmorency, Leelanau, Benzie, Oscoda, Wexford, Mecosta, Alcona, Presque Isle, Otsego, Emmet, Kalkaska, Missaukee, Huron, and Clinton; Be It Finally

RESOLVED By the Bay County Board of Commissioners that the **Bay County Solid Waste Management Plan**, as revised to include the above listed twenty-three (23) counties, is hereby approved and shall be submitted to the local units of government for their review and approval.

EDWARD L. RIVET, CHAIRMAN
BAY COUNTY BOARD OF COMMISSIONERS

REVSOLIDWASTEPLAN.

BAY COUNTY BOARD OF COMMISSIONERS 1/9/01 MEETING

RESOLUTION NO. 2001-8

MOTION NO.

MOVED BY COMM. Byrne

SUPPORTED BY COMM. Halstead

VOTE:

ROLL CALL: ☒ YEAS 8 ☐ NAYS 0 ☐ EXCUSED 0

VOICE: YEAS _____ NAYS _____ EXCUSED _____

DISPOSITION: ADOPTED ☒ DEFEATED _____ WITHDRAWN _____
AMENDED _____ CORRECTED _____ REFERRED _____

Bay County Solid Waste Management Plan
Summary of Local Unit Resolutions - as of 3/16/01

Local Government Unit	Resolution	Date
Township of Monitor	Disapproved	2/12/01
Township of Bangor	Approved	2/13/01
Township of Williams	Approved	1/30/01
Township of Garfield	Approved	2/12/01
Township of Merritt	Approved	2/13/01
Township of Frankenlust	Approved	2/13/01
Township of Pinconning	Approved	1/09/01
Township of Hampton	Approved	2/26/01
Township of Portsmouth	Approved	1/15/01
Township of Kawkawlin	Approved	
Township of Beaver	Disapproved	
Township of Fraser	Approved	2/12/01
Township of Mt. Forest	Approved	2/20/01
Township of Gibson	Disapproved	2/12/01
City of Auburn	Approved	3/05/01
City of Pinconning	Approved	2/21/01
City of Essexville	Approved	3/13/01
City of Bay City	Approved	2/8/01

RESOLUTION NO. _____

Paul Popa moved and James Dominowski
seconded the adoption of the following resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq.) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and

WHEREAS, Bay County has adopted such a Plan and recently adopted a Plan Update which it has requested that City of Auburn
(township or city) approve; and

WHEREAS, Part 115 requires two-thirds of the local units of government within the County to approve any Plan or Plan Update; Therefore, Be It

RESOLVED City of Auburn (township or city) approves the Plan Update as presented by the Bay County Board of Commissioners; Be It Further

RESOLVED That the City of Auburn (township or city) Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

Yeas: James Dominowski, Cynthia Light, Ann Nachelski, Paul Popa, Brian

Raah, Robert Reiss, Steven Samborn

Nays: None

RESOLUTION ADOPTED

March 5, 2001

P.O. Box 77
1400 W. Highland Road
Auburn, Michigan 48616

Williams Charter Township

Supervisor - Tom Paige 666-4444
Clerk - Amy Charney 666-4444
Treasurer - Candis Hoverson 666-4444
Fax 666-4444

Resolution 01-01-004-B/S

Resolution To Adopt The Bay County Solid Waste Management Plan Charter Township of Williams

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 451 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of Williams approves the addition of 23 counties to the original counties listed in the plan; and

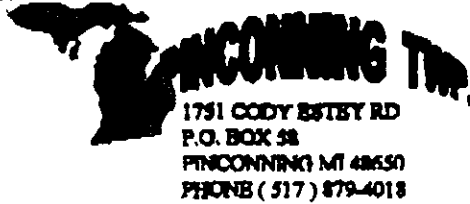
WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, That the Township Board of the Township of Williams does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on the 30th day of January, 2001.

Approved: Thomas Paige
Thomas Paige, Supervisor

Attest: Amy Charney
Amy Charney, Clerk

Resolution # 01-01

WHEREAS, the Bay County has approved an amendment to the Bay County Solid Waste Plan that adds 23 additional counties to the County Plan and

WHEREAS, the Pinconning Township is in agreement to the additional counties and

WHEREAS, Bay County is guaranteed capacity for a minimum of 20 years for solid waste disposal at the Whitefeather Landfill, hereby

LET IT BE RESOLVED Pinconning Township Board of Trustees supports the up dated Bay County Solid Waste Management Plan and amendment to include the additional 23 Counties.

01/09/2001
Date approved

PINCONNING TOWNSHIP BOARD

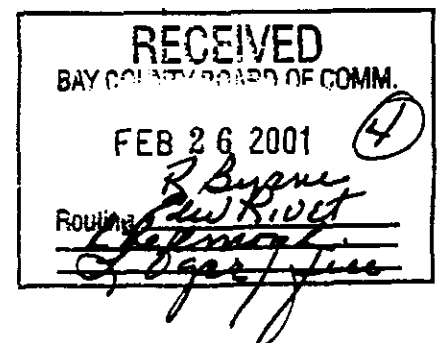
Motion by: MOORE and Supported by SABOURIN

VOTE: Yeas 5 Nays 0 Absent 0

Certification

I hereby certify that the foregoing is a true and complete copy of a resolution offered and adopted by the Pinconning Township Board of Trustees at a regular meeting held on 01/09/2001

Donald H Moore
Donald H. Moore Pinconning Township Clerk



CITY OF BAY CITY, MICHIGAN
OFFICE OF CITY CLERK

(AFFIDAVIT)

STATE OF MICHIGAN)

COUNTY OF BAY)

CITY OF BAY CITY)

I, Dana L. Muscott, Clerk of the City of
Bay City, County and State aforesaid, Do hereby Certify that I have compared the
annexed excerpt from the regular meeting of the Bay City City Commission
held on February 5, 2001,
with the original on file in my office and that it is a true and
correct transcript therefrom and of the whole of such original.

In Witness Whereof, I have hereunto set my hand and affixed the

Corporate Seal of the City of Bay City, Michigan, this

Of Commission as a Whole:

Whereas, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 at seq.) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and

Whereas, Bay County has adopted such a Plan and recently adopted a Plan Update, which it has requested that the City of Bay City approve; and

Whereas, Part 115 requires 2/3 of the local government within the County to approve any Plan or Plan Update;

Now Therefore Be It Resolved that the City of Bay City, by affirmative resolution of the City Commission, during their regular meeting on February 5, 2001, approves the Plan Update as presented by the Bay County Board of Commissioners;

Be It Further Resolved that the City Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

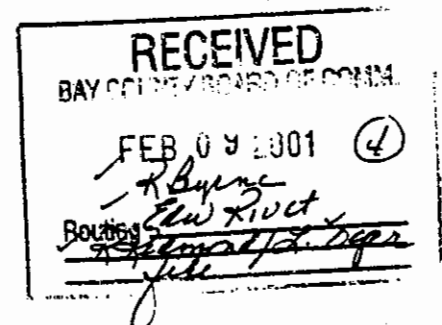
Commissioner Buda moved adoption of resolution.

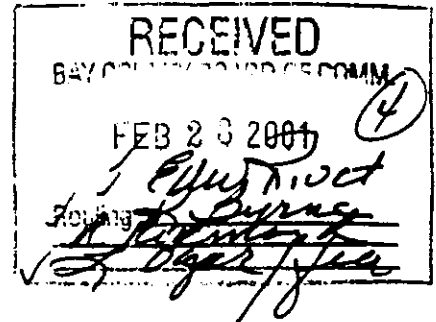
Adopted by the following vote:

Yes, Commissioners Shaw, Hintz, Legner, Bleau, Eager, Katt, Hutter, Buda, Schram, 9

No, None

8th day of February, 2001
Dana L. Muscott
Dana L. Muscott, City Clerk





RESOLUTION NO. _____

Councilmember Gromaski moved and Councilmember Pomaville
seconded the adoption of the following resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and

WHEREAS, Bay County has adopted such a Plan and recently adopted a Plan Update which it has requested that CITY OF PINCONNING
(TOWNSHIP OR CITY) approve; and

WHEREAS, Part 115 requires two-thirds of the local units of government within the County to approve any Plan or Plan Update; Therefore, Be It

RESOLVED the CITY OF PINCONNING (TOWNSHIP OR CITY) approves the Plan Update as presented by the Bay County Board of Commissioners; Be It Further

RESOLVED That the CITY OF PINCONNING (TOWNSHIP OR CITY) Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

Yeas: _____

Nays: _____

RESOLUTION ADOPTED CARRIED BY VOICE VOTE

I, Jodi A. Kime, Deputy City clerk of the City of Pinconning, certify that the above is a true and accurate copy of a motion adopted by the Pinconning City Council at their Council Meeting held on February 21, 2001 at which a quorum was present.

Jodi A. Kime
Jodi A. Kime
Deputy City Clerk

RESOLUTION 2-54-01

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN

Fraser Township

(INSERT TOWNSHIP NAME)

WHEREAS, Public Act ~~115~~ McCL324, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act ~~116~~ further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act ~~115~~ in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of Fraser approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of Fraser motion Revord support Augustyniak
(Insert Name of Township)

does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 12th day of February, 2001.
(Insert day) (Insert Month)

Approved: _____

Name
Richard Gromaski (Supervisor)

Attest: _____

Name
Sally Sherman

(Clerk)

RESOLUTION 022001

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN

MT. FOREST TOWNSHIP

WHEREAS, Public Act 115, MCL324, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 115 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of **MT. FOREST** approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of **MT. FOREST**. does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 20 day of Feb, 2001.

Approved: Michael D. Sobieray
(Supervisor)

Attest: Penny Schwan
(Clerk)

CHARTER TOWNSHIP OF HAMPTON
RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN

WHEREAS, Public Act 115 MCL 324, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 115 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of Hampton approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of Hampton does hereby approve and adopt 2001 Update of the Bay County Solid Waste Management Plan.

So be it resolved on this 26th day of February, 2001.

Approved: _____

William G. Tacey, Supervisor

Attest: _____

Pamela J. Wright, Clerk

RESOLUTION _____

**RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN**

CHARTER TOWNSHIP OF PORTSMOUTH

[INSERT TOWNSHIP NAME]

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 451 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of PORTSMOUTH approves the addition of 23 counties to the original counties listed in the plan; and

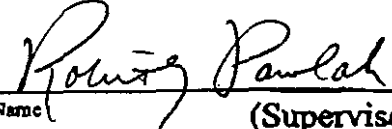
WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

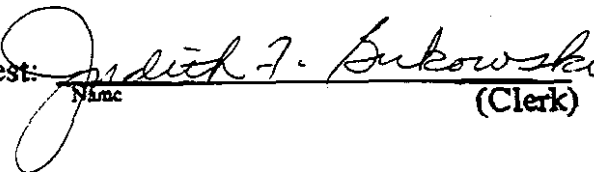
THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of PORTSMOUTH

(Insert Name of Township)

does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 15th day of January, 2001.
(Insert day) (Insert Month)

Approved: 
Name (Supervisor)

Attest: 
Name (Clerk)



CITY OF ESSEXVILLE

1107 Woodside Avenue
Essexville, MI 48732

Dale J. Majerczyk
City Manager
517-893-0772

Lois Englehardt
City Clerk
517-893-7192

Fran DeWyse
City Treasurer
517-893-2441

Fax: 517-892-3452

RESOLUTION

Lutz, Hydorn:

WHEREAS Part 115 of Michigan's solid Waste Management Act requires that Bay county promulgate and periodically update a solid Waste Management Plan ("Plan"); and

WHEREAS Bay County has adopted such a Plan and recently adopted a Plan Update and has requested that the City of Essexville approve such Plan Update; and

WHEREAS Part 115 requires two-thirds of the local units of government within the County to approve any Plan or Plan Update;

THEREFORE BE IT RESOLVED that the City of Essexville approves the Plan Update as presented by the Bay County Board of Commissioners; and

BE IT FURTHER RESOLVED that the City Clerk of the City of Essexville is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

YES: Lutz, Hydorn, Link, O'Mara, Graham, Rehms

ABSENT: Connelly

Motion Carried

CLERK'S CERTIFICATION

STATE OF MICHIGAN)

COUNTY OF BAY)

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Essexville, Bay County, Michigan at a scheduled meeting duly called and held on the 13th day of March, 2001, the original of which is in my office. Notice of said meeting was given in accordance with the Open Meetings Act.

City Clerk
City of Essexville



RESOLUTION 2001-001

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN

FRANKENLUST TOWNSHIP

WHEREAS, Public Act 115 MCL324, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, 115 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county, and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of FRANKENLUST approves the addition of 23 counties to the original counties listed in the plan; and

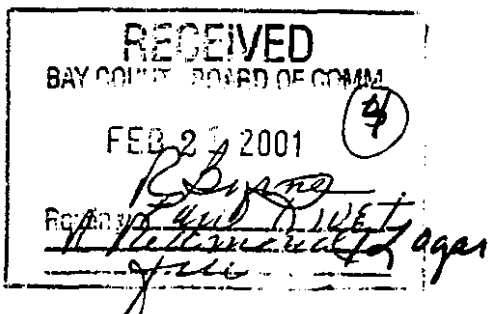
WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of FRANKENLUST does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 13th day of February, 2001.
(Insert day) (Insert Month)

Approved: Hilda Dyak
Name (Supervisor)

Attest: Alvin Akpood
Name (Clerk)





MERRITT TOWNSHIP

48 E. Munger Road • P.O. Box 126 • Munger, MI 48747 • (517)659-2136 • FAX (517)659-3475



February 13, 2001

Bay County Board of Commissioners
Edward L. Rivet, Chairman
515 Center Avenue
Bay City, MI 48708-5994

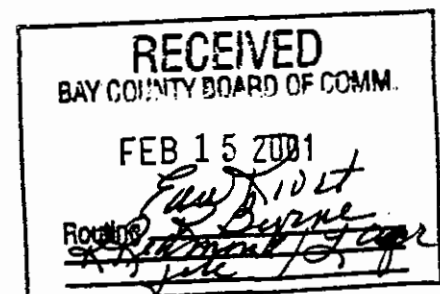
Dear Mr. Rivet:

Please find enclosed a copy of the resolution from the Merritt Township Board approving the updated Bay County Solid Waste Management plan.

Sincerely,

Kathy Bremer

Kathy Bremer
Clerk



RESOLUTION _____

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN

Merritt Township
(INSERT TOWNSHIP NAME)

WHEREAS, Public Act 115 MCL324the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 115 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of Merritt approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners:

THEN THEREFORE BE IT RESOLVED, that the Township Board of the
Township of Merritt
(Insert Name of Township)

does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 13 day of February 2001
(Insert day) (Insert Month)

Approved: Donald A. Meyer

Name

(Supervisor)

Donald A. Meyer

Attest: Kathy Bremer

Name

(Clerk)

Kathy Bremer

RESOLUTION _____

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLANGIBSON

(INSERT TOWNSHIP NAME)

WHEREAS, Public Act 115 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, ^{PA 115}~~Act 324~~ further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources; and

WHEREAS, the Township of _____ approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of _____

(Insert Name of Township)

does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

So be it Resolved on this 12th day of February, 2001.
(Insert day) (Insert Month)

Approved: _____
Name (Supervisor)

Attest: Kristine Seidel
Name (Clerk)

VOTES: 1-Yes 4-No

Charter Township of Bangor

Jeff Mayes, Supervisor

Supervisor 517-684-8931
Clerk 517-684-8041
Treasurer 517-684-8531

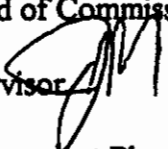
180 State Park Dr
Bay City, MI 48706

Assessor 517-684-7100
Inspection 517-684-5427
Fax Number 517-684-5644

MEMORANDUM

DATE: February 20, 2001

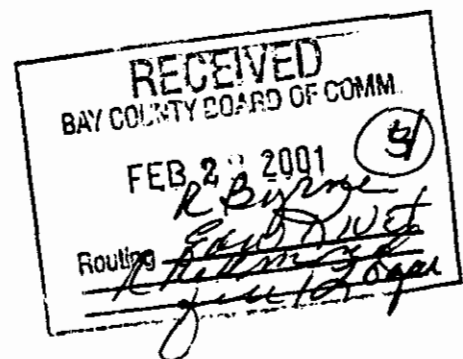
TO: Ed Rivet, Chairman
Bay County Board of Commissioners

FROM: Jeff Mayes, Supervisor 

RE: Solid Waste Management Plan Resolution

Enclosed is Bangor Township's resolution that was passed at our February 13, 2001 Board Meeting showing support for Bay County's proposed Solid Waste Management Plan. If you should have questions, please do not hesitate to contact me.

C: Bay County Commissioners
Tom Hickner, Bay County Executive



RESOLUTION # 011302 - 01

RESOLUTION TO ADOPT THE BAY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHARTER TOWNSHIP OF BANGOR

Minutes of a regular meeting of the Township Board of the Charter Township of Bangor, County of Bay, State of Michigan, held in the Administration Building of the Charter Township of Bangor on February 13, 2001, at 7:30 p.m.

PRESENT: Beson, Eagle, Howard, Leitermann,
Mayes, Santos, StasiK

ABSENT: None

The Following Resolution Was Offered By:

Member Mayes and seconded by Member Howard

WHEREAS, Public Act 115 MC 324, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 115 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages and township) within the county; and

WHEREAS, the Bay County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 115 in a manner which meets the goals and objectives identified by Bay County citizens for management of their solid waste and natural resources for today and the future; and

WHEREAS, the Township of Bangor approves the addition of 23 counties to the original counties listed in the plan; and

WHEREAS, the Bay County Solid Waste Management Plan has been approved by the Bay County Board of Commissioners;

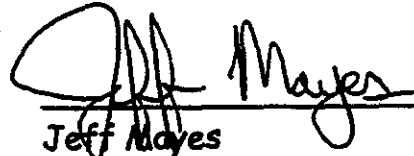
NOW THEREFORE BE IT RESOLVED, that the Township Board of the Charter Township of Bangor does hereby approve and adopt the 2001 Update of the Bay County Solid Waste Management Plan.

AYES: Beson, Eagle, Howard, Leitermann, Mayes, Santos, Stasik

NAYS: None

RESOLUTION DECLARED ADOPTED February 13, 2001.





Jeff Mayes
Bangor Township Supervisor



Janet Santos, CMC
Bangor Township Clerk

CITY OF BAY CITY, MICHIGAN
OFFICE OF CITY CLERK
(AFFIDAVIT)

STATE OF MICHIGAN)

COUNTY OF BAY)

CITY OF BAY CITY)

I, Dana L. Muscott, Clerk of the City of Bay City, County and State aforesaid, Do hereby Certify that I have compared the annexed excerpt from the regular meeting of the Bay City City Commission held on February 5, 2001, with the original on file in my office and that it is a true and correct transcript therefrom and of the whole of such original.

In Witness Whereof, I have hereunto set my hand and affixed the

Corporate Seal of the City of Bay City, Michigan, this

Of Commission as a Whole:

Whereas, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq.) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and

Whereas, Bay County has adopted such a Plan and recently adopted a Plan Update, which it has requested that the City of Bay City approve; and

Whereas, Part 115 requires 2/3 of the local government within the County to approve any Plan or Plan Update;

Now Therefore Be It Resolved that the City of Bay City, by affirmative resolution of the City Commission, during their regular meeting on February 5, 2001, approves the Plan Update as presented by the Bay County Board of Commissioners;

Be It Further Resolved that the City Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

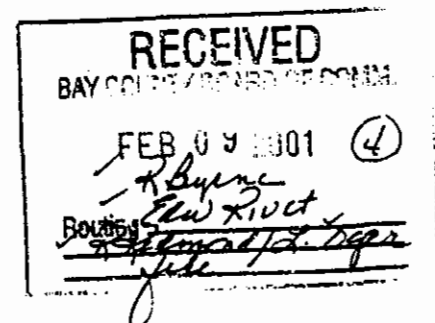
Commissioner Buda moved adoption of resolution

Adopted by the following vote:

Yes. Commissioners Shaw, Hintz, Legner, Bleau, Eager, Katt, Hutter, Buda, Schram, 9

No None

8th day of February, 2001
Dana L. Muscott
Dana L. Muscott, City Clerk



RESOLUTION NO. 2-01

James A. Dubay moved and Florence E. Gotfryd
seconded the adoption of the following resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq.) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and

WHEREAS, Bay County has adopted such a Plan and recently adopted a Plan Update which it has requested that GARFIELD TOWNSHIP
(TOWNSHIP OR CITY) approve; and

WHEREAS, Part 115 requires two-thirds of the local units of government within the County to approve any Plan or Plan Update; Therefore, Be It

RESOLVED GARFIELD TOWNSHIP (TOWNSHIP OR CITY) approves the Plan Update as presented by the Bay County Board of Commissioners; Be It Further

RESOLVED That the GARFIELD TOWNSHIP (TOWNSHIP OR CITY) Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

Yeas: M. RUTKOWSKI, E.R. MANSION, J. DUBAY
F. GOTFRYD, M. SYLVESTER

Nays: NONE

RESOLUTION ADOPTED

Garfield Twp. Clerk
Florence Gotfryd
1138 W. Erickson Rd.
Linwood, MI 48634

Florence E. Gotfryd



Charter Township of Monitor

2483 MIDLAND ROAD, BAY CITY, MICHIGAN 48706 PHONE (517) 684-7203 FAX (517) 684-9234 TWPCLERK01@ADL.COM

Cindy L. Kowalski, Township Clerk

February 13, 2001

Bay County Board of Commissioners
515 Center Avenue
Bay City, MI 48706

Dear Sirs,

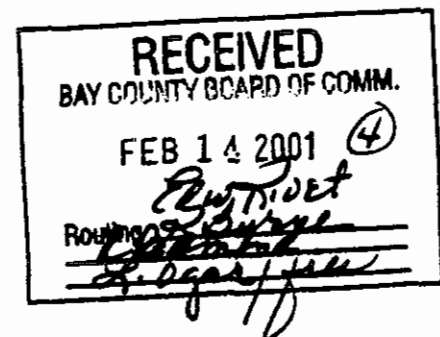
The Board of the Charter Township of Monitor met at the regular scheduled meeting on February 12, 2001. At this meeting a vote was taken and a resolution passed disapproving the Updated Plan of the Solid Waste Management Plan.

This resolution is enclosed.

Sincerely,

Cindy L. Kowalski

Cindy L. Kowalski, Clerk
Charter Township of Monitor



RESOLUTION NO. R-2001-003

Sally Gray moved and Elaine Kochany seconded the adoption of the following resolution.

- WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq.) requires Bay County to promulgate and periodically update a Solid Waste Management Plan ("Plan"); and
- WHEREAS, Bay County has adopted such a Plan and recently adopted a Plan Update which it has requested that the Charter Township of Monitor approve and
- WHEREAS, Part 115 requires two-thirds of the local units of government within the County to approve any Plan or Plan Update; Therefore, Be it
- RESOLVED The Charter Township of Monitor disapproves the Plan Update as presented by the Bay County Board of Commissioners; Be it Further
- RESOLVED That the Charter Township of Monitor Clerk is directed to forward a copy of this resolution to the Bay County Board of Commissioners.

Yeas: Kowalski, Gray, Neumeyer, Kramer, Kochany, Behmlander

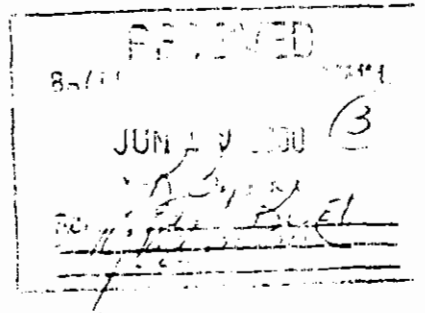
Nays: None

Absent: Sinke

RESOLUTION ADOPTED

Resolution 2000-05

SOLID WASTE PLAN



At a Regular meeting of the Kawkawlin Township Board of Trustees, the following preamble and resolution was offered by Beson and supported by McNally.

WHEREAS, the Natural Resources and Environmental Protection Act, 1994 P.A. 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules requires that each County in the State of Michigan prepare an updated Solid Waste Management Plan to provide for the disposal of waste generated in that county; and

WHEREAS, Bay County completed their update and released said Plan for municipal approval over a year ago; and

WHEREAS, many changes have taken place within the industry and environmental community since the initial writing of the updated plan; and

WHEREAS, the updated Plan has still not received the necessary 68% approval from all municipalities; and

WHEREAS, the new owner of the Whitefeather Landfill, Republic Services of Michigan is requesting numerous changes to the updated Plan, including the addition of more counties for importation, to make this site a viable asset to the residents of Bay County, to lower the overall operating costs, to keep competition alive and most importantly keep pricing down for those utilizing the facility; and

WHEREAS, without this support, it is anticipated that Republic will have to pass on these increased cost or close the landfill, thus increasing disposal costs and/or leave the County without this disposal option.

THEREFORE BE IT RESOLVED that the Kawkawlin Township Board of Trustees located in Bay County, State of Michigan, hereby expresses its support for the County to rescind the updated plan and make the necessary changes.

BE IT FURTHER RESOLVED, that the Kawkawlin Township Board of Trustees will support language in the Solid Waste Management Plan Update which will increase the number of counties allowed to import as requested, as long as Republic continues to provide long term capacity at the Whitefeather Landfill.

YEAS: DeLorge, Arnold, Klass, McNally, Beson.

NAYS: None

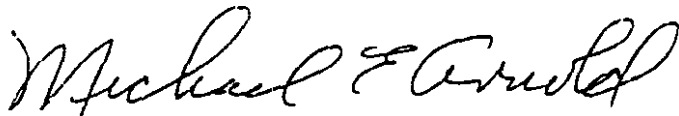
ABSENT: None

RESOLUTION DECLARED ADOPTED

TOWNSHIP CLERK'S CERTIFICATION

State of Michigan)
County of Bay)

I hereby certify that the foregoing is a true and complete copy of a resolution offered and adopted by the Kawkawlin Township Board of Trustees at a Regular meeting on the 12th day of June 2000.

A handwritten signature in black ink, reading "Michael E. Arnold". The signature is written in a cursive, flowing style.

Michael E. Arnold, Clerk
Kawkawlin Township

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 County will have no direct role in the implementation of the Plan. The selected solid waste management system is discussed on page II-17 in the Selected Solid Waste Management Alternatives section as the second alternative.

Resolutions

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

None.

Listed Capacity

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

Waste Management of Central Michigan, Inc. is providing a letter documenting access to all their facilities.

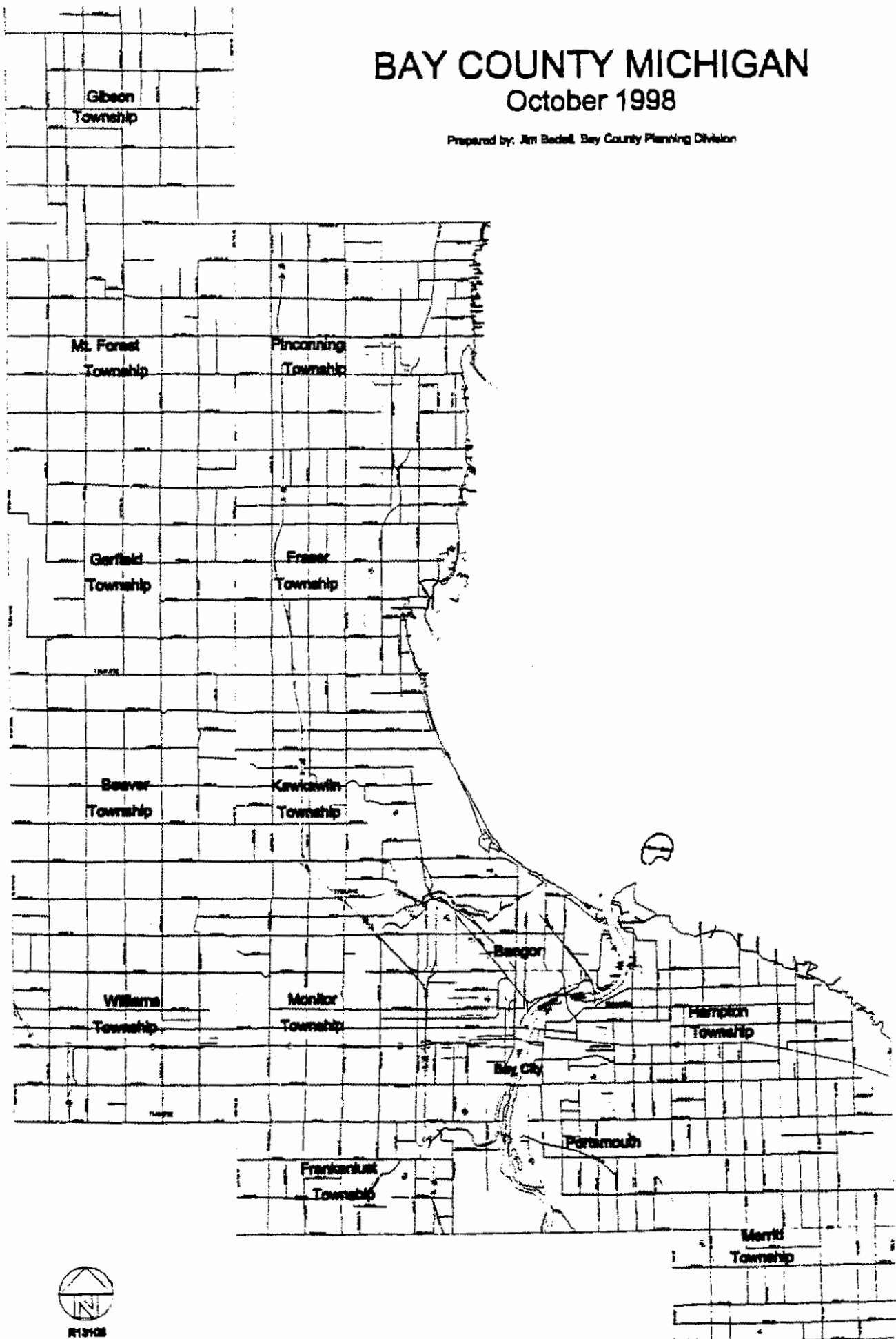
Maps

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

BAY COUNTY MICHIGAN

October 1998

Prepared by: Jim Bedell, Bay County Planning Division



Inter-County Agreements

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

Saginaw County is the only intercounty agreement and follows.

DEPARTMENT OF CORPORATION COUNSEL

MARTHA P. FITZHUGH
Corporation Counsel/Risk Manager



BAY COUNTY

THOMAS L. HICKNER
County Executive

February 17, 1998

Mr. William W. Wright
Planning Director
Saginaw County Metropolitan Planning Commission
Saginaw County Governmental Center
400 Court Street
Saginaw, MI 48602

ENCL
FEB 18 1998
Routing

RE: SOLID WASTE RECIPROCAL AGREEMENT

Dear Mr. Wright:

Enclosed please find a fully-executed **General Solid Waste Reciprocal Agreement** between Bay County and Saginaw County which has been signed by Eugene Gwizdala, Chairman of the Bay County Board of Commissioners. We have retained a copy for our files.

Thank you for your assistance in this matter.

Sincerely,

DEBRA RUSSELL
Legal Coordinator

Enclosure

cc: Barbara Albertson, w/original enclosure
Civil File 97-150
Deanne Berger, w/enclosure
Valerie Keib, w/enclosure
Mike Regulski, w/enclosure
Mike Kuhn, w/enclosure

515 Center Avenue, Bay City, MI 48708 (517) 895-4131
FAX (517) 895-7658 TDD (hearing impaired) (517) 895-4049



**GENERAL SOLID WASTE
RECIPROCAL AGREEMENT**

This agreement is entered into this 12th day of February, 1998, between the County of Saginaw, 111 South Michigan Avenue, Saginaw, Michigan and the County of Bay, 515 Center Avenue, Bay City, MI 48708.

WHEREAS, Act 641 of 1978, as amended (Act 641) requires that a county in the State of Michigan prepare a solid waste management plan to provide for the disposal of solid waste generated in that county; and

WHEREAS, Act 641 requires that a solid waste disposal area that is located within one county, but serves another county, be identified in the solid waste management plans of both counties; and

WHEREAS, the County of Saginaw and the County of Bay have approved solid waste management plans that provide for reciprocal agreements for waste generated in one county to be disposed of in the other county, and

NOW THEREFORE, the parties agree as follows:

I.

**AMOUNT OF SOLID WASTE
TO BE DISPOSED OF BY BAY COUNTY**

The amount of solid waste generated in Bay County that may be disposed of in Saginaw County disposal areas shall not exceed 343 tons per day, or comparable gate yards per month. All waste must be generated within Bay County.

II.

TERM

The term of this agreement shall be from 2-12-98, through the duration of the approved updated solid waste management plans of both counties, and shall expire upon MDNR approval of a new solid waste management plan in either county.

III.

COMPLIANCE WITH ORDINANCE

Bay County shall comply with all relevant and applicable provisions of the Saginaw County Solid Waste Ordinance, adopted August 17, 1993 and as may be amended during the term of this agreement.

IV.

CHANGES IN RULES, REGULATIONS OR STATUTES

In the event there is a revision of Act 641, any rules or regulations promulgated under Act 641, or any federal or state statutes, rules or regulations which might make this agreement illegal or unenforceable, the parties will review the agreement and make a good faith effort to negotiate those terms necessary to bring the agreement into compliance with

the new state or federal regulations, rules, or statutes. If the parties are unable to agree on the new terms, this agreement may be terminated at the option of either party.

V.

ENTIRE AGREEMENT A REQUIREMENT BY WRITING

It is understood and agreed that this is the entire agreement of the parties and that this agreement supersedes all other agreements and negotiations between the parties relating to the subject matter as well as any previous agreements presently in effect between the parties. Any alterations, amendments, deletions, or waivers of the provisions of this agreement shall be valid only when expressed in writing and duly signed by the parties.

VI.

ASSIGNMENT

Neither party to this agreement shall assign this agreement, or any interest arising from the agreement, without the written consent of the other.

VII.

DEFAULT AND REMEDY

The failure of any party to this agreement to abide by any of the terms, conditions, or requirements expressed in this agreement shall constitute a default if not promptly corrected upon receipt of notice of deficiency or noncompliance and a request for compliance from the other party. In the event of a default by a party, the other party may seek injunctive relief requiring enforcement of the provisions of this agreement or may terminate this agreement.

The rights and remedies provided a party in this paragraph shall not be exclusive and are in addition to any other rights and remedies provided by law or under this agreement. requiring enforcement of the provisions of this agreement or may terminate this agreement.

The rights and remedies provided a party in this paragraph shall not be exclusive and are in addition to any other rights and remedies provided by law or under this agreement.

IT WITNESS WHEREOF the parties have hereunto set their hands as of the dates first above written.

WITNESSES:

Norme Lerge

COUNTY OF BAY

Eugene F. Georgiadis
Its Chairperson

COUNTERSIGNED

[Signature]
Bay County Clerk

Kaye Schmitz

COUNTY OF SAGINAW

[Signature]
Edward E. Mason, Chairman

PREPARED BY:

Peter C. Jensen
Attorney at Law
721 South Michigan Avenue
Saginaw, Michigan 48602
Phone: (517) 790-2500

APPROVED AS TO LEGAL FORM ONLY

Martha G. Fitzhugh
BAY COUNTY CORPORATION COUNCIL
DATE: January 30, 1998

Special Conditions

Special conditions affecting import or export of solid waste

None to date.