STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

STEVEN E. CHESTER
DIRECTOR

March 26, 2008

Mr. Larry Emig, Chairperson
Osceola County Board of Commissioners
301 West Upton
Reed City, Michigan 49677

Dear Mr. Emig:

The locally-approved amendment to the Osceola County Solid Waste Management Plan (Plan Amendment) sent to the Department of Environmental Quality (DEQ) on December 10, 2007, is hereby approved.

The Plan Amendment authorizes 82 Michigan counties for importation and exportation of Osceola County solid waste if the reciprocal county Solid Waste Management Plan also authorizes Osceola County to do so. The DEQ has determined that the 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 its administrative rules.

The DEQ would like to thank Osceola County for its efforts in addressing its 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,

Steven E. Chester
Director
517-373-7917

cc: Senator Michelle McManus
Representative Darwin Booher
Ms. Kim Yost, Administrative Aide, Osceola County
Mr. Jim Sygo, Deputy Director, DEQ
Ms. JoAnn Merrick, Chief of Staff, DEQ
Ms. Carol Linteau, Legislative Director, DEQ
Mr. George W. Bruchmann, DEQ
Mr. Steven Sliver, DEQ
Mr. Philip Roycraft, DEQ
Ms. Rhonda Oyer Zimmerman, DEQ
Ms. Christina Miller, DEQ
Osceola County File

Board of Commissioners

301 West Upton, Reed City, Michigan 49677
(231) 832-6196
(231) 832-6197 - Fax

December 10, 2007

Ms. Christina Miller
Department of Environmental Quality
Waste and Hazardous Materials Division
PO Box 30241
Lansing, MI 48909-7741

Dear Ms. Miller,

Osceola County has completed the process to amend the Osceola County Solid Waste Management Plan. The County has received the required 67% approval from its 22 governmental entities with the results as follows:

Approval: City of Evart, City of Reed City, Hartwick Township, Highland Township, Lincoln Township, Marion Township, Middle Branch Township, Orient Township, Osceola Township, Richmond Township, Rose Lake Township, Sherman Township, Sylvan Township, Village of Hersey, Village of LeRoy and the Village of Marion.

Denial: Burdell Township, Cedar Township, Evart Township, Hersey Township and the Village of Tustin.

Currently, LeRoy Township is pending as no decision has been made by their board if they either approve or disapprove of the amendment.

Enclosed please find the requested documents relating to the process followed by the County's Solid Waste Management Committee, Planning Commission and Board of Commissioners to adopt Osceola County Solid Waste Plan Amendment #1.

If any additional documents or information is needed, please do not hesitate to contact either myself or the County Coordinator's office at 231-832-6196. Thank you.

Sincerely,

Larry Emig

Larry Emig
Chairperson

Enc.

DEC 13 2007

Waste and Hazardous
Materials Division

Board of Commissioners

301 West Upton, Reed City, Michigan 49677
(231) 832-6196
(231) 832-6197 - Fax

DATE: July 19, 2007

TO: Osceola County Township Officials, Municipal Officials
And Village Officials

FROM: Osceola County Board of Commissioners

RE: Proposed Amendment #1 to the Osceola County Solid Waste Management Plan

The Osceola County Board of Commissioners, upon recommendations from the Osceola County Solid Waste Management Planning Committee and the Osceola County Planning Commission, approved a proposed amendment to the County's Solid Waste Management Plan at their July 19, 2007 meeting. This amendment would ensure that all counties in the State that list Osceola County as an importing county can then export waste to Osceola County.

The amendment process requires, once the amendment is approved by the Board of Commissioners, that it be sent to all governmental entities in the County for their consideration to either approve or reject the proposed amendment. The amendment will require 67% of the local entities approval before it can be submitted to the Michigan Department of Environmental Quality for their consideration. A copy of the proposed changes to the Plan is attached for your reference.

The following is a summary of the changes to the plan:

1. The current text on pages III-3 to III-4, Table 1-A in the Approved Solid Waste Management Plan (Plan) will be deleted and replaced with the wording: "All other 82 counties that list Osceola County as an importing County in their Solid Waste Management Plans."

2. The current text on page III-5, Table 1-B in the Plan will be deleted and replaced with the wording: "The text of Table 1-B was deleted as a result of Amendment #1 dated mm/dd/yyyy" as the text is no longer applicable.

3. The current text on pages III-6, Table 2-A in the Plan will be deleted and replaced with the wording: "All other 82 counties that list Osceola County as an exporting County in their Solid Waste Management Plans. (Amendment #1 dated mm/dd/yyyy)."

The Board of Commissioners wishes to thank you for your consideration of this proposed amendment and respectfully requests a response from the local entities by October 12, 2007.

If you should have any questions, please contact the County Coordinator's office at 231-832-6196.

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

The text of Table 1-A was deleted as a result of Amendment #1 dated mm/dd/yyyy

All other 82 Counties that list Osceola County as an importing county in their Solid Waste Management Plans.

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If a new solid waste disposal area is constructed and operating in the future in the County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS in Table 1-B.

Table 1-B

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

The text of Table 1-B was deleted as a result of Amendment #1 dated mm/dd/yyyy

EXPORT AUTHORIZATION

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

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

All other 82 Counties that list Osceola County as an exporting county in their Solid Waste Management Plans. (Amendment #1 dated mm/dd/yyyy)

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq state mi.us

RUSSELL J. HARDING, Director

December 13, 1999

Ms. Donna Denslow, Chairperson
Osceola County Board of Commissioners
301 West Upton
Reed City, Michigan 49677

Dear Ms. Denslow:

The Department of Environmental Quality (DEQ) received the locally approved update to the Osceola County Solid Waste Management Plan (Plan) on June 14, 1999.

By this letter, this Plan is hereby approved and the County now assumes responsibility for the enforcement and implementation of this Plan. The DEQ would like to thank the County for its efforts in addressing 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 Rules concerning the required content of solid waste management plans. Specifically, the DEQ has determined that the Plan identifies the enforceable mechanisms that authorize the state, a county, a municipality, or a person to take legal action to guarantee compliance with the Plan, as required by Part 115. The Plan is enforceable, however, only to the extent the County properly implements these enforceable mechanisms under applicable enabling legislation. The Plan itself does not serve as such underlying enabling authority, and the DEQ's approval of the Plan neither restricts nor expands the County's authority to implement these enforceable mechanisms.

The Plan may also contain other provisions that are neither required nor expressly authorized for inclusion in a solid waste management plan. The DEQ's 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 of effect.

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

Sincerely,

Arthur R Nash
ACTING

Russell J. Harding
Director
517-373-7917

EQP 0100e
(Rev. 10/96)

cc: Senator Bill Schuette
Representative Rick Johnson
Mr. Paul E. Thibodeau, Chairman, OCSWPC
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Ms. Cathy Wilson, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Mr. Phil Roycraft, DEQ - Cadillac
Mr. Seth Phillips, DEQ
Mr. Stan Idziak, DEQ

Osceola County

Solid Waste Management

Planning Committee

301 W. Upton, Reed City, MI 49677
(616) 832-3261

June 8, 1999

JAMES E. JOHNSON
DEQ WASTE MANAGEMENT DIVISION
BOX 30241
LANSING, MI 48909

Dear Jim:

Enclosed are the Resolution of all the units in the County approving the County Solid Waste Plan as written.

Also enclosed are three Reciprocal Agreements with other Counties which we have obtained. There are several others in different stages of completion, they will be forthcoming.

Also enclosed is a letter from Venice Park Recycling and Disposal Facility providing the necessary airspace for disposal of Osceola County Solid Waste, under the five and ten year update of Act 451.

Hopefully with these documents being presented, we will receive the final approval from the DEQ.

Very truly yours,

Paul E. Thibodeau

Paul E. Thibodeau, Chairman
Osceola County Solid Waste
Planning Committee

RECEIVED
JUN 14 1999
waste management
division

VENICE PARK RECYCLING & DISPOSAL FACILITY
A WASTE MANAGEMENT COMPANY

9536 East Lennon Road
Lennon, MI 48449
(810) 621-9080
(810) 621-3156 Fax

April 16, 1999

Mr. Paul Thibodeau
Osceola County Solid Waste
Planning Committee Chairman

Mr. Thibodeau:

This Agreement made and entered as of April 16, 1999 between the County of Osceola and Venice Park Recycling and Disposal Facility.

Whereas, Venice Park Recycling and Disposal Facility will provide necessary airspace for the disposal of Osceola County Solid Waste materials under the five year and ten year update of Act 451.

Sincerely,
Venice Park Recycling and Disposal Facility

Terry Cooney
Division Manager

RESOLUTION NUMBER 1999 - 2

TOWNSHIP OF BURDELL COUNTY OF OSCEOLA

WHEREAS, the Burdell Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Burdell Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Charles Gaffney

Seconded by Carlton Plyler

Roll Call Vote	Aye:	Nay:	
	X		Alan VanAntwerp
	X		Charles Gaffney
	X		Carlton Plyler
	X		Julie Seguin
	X		Faye Anderson

The forgoing resolution declared Approved Disapproved on this date Feb. 9, 1999.

Faye C. Anderson, Clerk

Faye C. Anderson, Clerk
Burdell Township

CERTIFICATION

I, Faye C. Anderson, the duly elected Clerk of Burdell Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on Feb. 9, 1999 at 8:05 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Faye C. Anderson

Faye C. Anderson, Clerk
Burdell Township

RESOLUTION NUMBER _____

TOWNSHIP OF CEDAR COUNTY OF OSCEOLA

WHEREAS, the Cedar Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Cedar Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Chuck Schneider

Seconded by Jean Schenlee

Roll Call Vote	Aye:		Nay:
Jean Schenlee	✓		___
Chuck Schneider	✓		___
Bob Rapley	✓		___
Yvonne Marks	✓		___
Donna Dekney	___	ABSENT	___

The forgoing resolution declared (Approved) ~~Disapproved~~ on this date Feb. 15, 1999

Yvonne Marks Clerk
Yvonne Marks, Clerk
Cedar Township

CERTIFICATION

I, Yvonne Marks, the duly elected Clerk of Cedar Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on February 15, 1999 at 7:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Yvonne Marks Clerk
Yvonne Marks, Clerk
Cedar Township

RESOLUTION NUMBER _____

TOWNSHIP OF EVART COUNTY OF OSCEOLA

WHEREAS, the Evart Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Evart Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Robert Pedersen

Seconded by Sarah Parsons

Roll Call Vote	Aye:	Nay:
Vicki Cushman	X	
Betty Elder	X	
Bill Lehman	X	
Sarah Parsons	X	
Robert Pedersen	X	

The forgoing resolution declared Approved Disapproved on this date April 6, 1999.

Betty Elder

Betty Elder, Clerk
Evart Township

CERTIFICATION

I, Betty Elder, the duly elected Clerk of Evart Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on April 6, 1999 at 7 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Betty Elder

Betty Elder, Clerk
Evart Township

RESOLUTION NUMBER 99-1

TOWNSHIP OF HARTWICK COUNTY OF OSCEOLA

WHEREAS, the Hartwick Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Hartwick Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Jensen

Seconded by Bennett

Roll Call Vote	Aye:	Nay:	Members Absent:
Alan Salinas	X		Burton Scott
Carole Bennett	X		Jim Neuman
Linda Jensen	X		

The forgoing resolution declared Approved Disapproved on this date 3-29-99.

Linda Jensen

Linda Jensen, Clerk
Hartwick Township

CERTIFICATION

I, Linda Jensen, the duly elected Clerk of Hartwick Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 3-29-99 at 7:45 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Linda Jensen

Linda Jensen, Clerk
Hartwick Township

RESOLUTION NUMBER 1999-01

TOWNSHIP OF HERSEY COUNTY OF OSCEOLA

WHEREAS, the Hersey Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Hersey Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Laane Hocquard

Seconded by Jeanette Hays

Roll Call Vote	Aye:	Nay:
Jeanette Hays	x	
Laane Hocquard	x	
Patricia Page	x	
Kristi Rhodes	x	
Eldon Zimmerman	x	

The forgoing resolution declared Approved ~~Disapproved~~ on this date March 16, 1999.

Laane Hacquard, Clerk
Hersey Township

CERTIFICATION

I, Laane Hacquard, the duly elected Clerk of Hersey Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on March 16, 1999 at 7:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Laane Hacquard, Clerk
Hersey Township

RESOLUTION NUMBER 3-16-99

TOWNSHIP OF HIGHLAND COUNTY OF OSCEOLA

WHEREAS, the Highland Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Highland Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Brian Miller

Seconded by KENNETH L. VanPolen

Roll Call Vote Aye: 4 Nay: 0 1 absent

Kenneth L. VanPolen		Yea	
Brian Miller		Yea	
Marilyn Ouwinga		Yea	
John Dracht		Yea	

The forgoing resolution declared Approved ~~Disapproved~~ on this date 3-16-99.

Marilyn W. Ouwinga
Marilyn Ouwinga, Clerk
Highland Township

CERTIFICATION

I, Marilyn Ouwinga, the duly elected Clerk of Highland Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 3-16-99 at 7:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Marilyn W. Ouwinga
Marilyn Ouwinga, Clerk
Highland Township

RESOLUTION NUMBER _____

TOWNSHIP OF LEROY COUNTY OF OSCEOLA

WHEREAS, the LeRoy Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the LeRoy Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Arthur Moyses

Seconded by Denna Light

Roll Call Vote	Aye:	Nay:
L. Leudeman	✓	___
A. Moyses	✓	___
D. Light	✓	___
G. Reeless	✓	___
H. Miller	Absent	___

The forgoing resolution declared (Approved) Disapproved on this date 02-10-99.

Denna Light

Denna Light, Clerk
LeRoy Township

CERTIFICATION

I, Denna Light, the duly elected Clerk of LeRoy Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 02-10-99 at 8:45 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Denna Light

Denna Light, Clerk
LeRoy Township

RESOLUTION NUMBER 05

TOWNSHIP OF LINCOLN COUNTY OF OSCEOLA

WHEREAS, the Lincoln Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Lincoln Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Couture

Seconded by Kohn

Roll Call Vote	Aye:	Nay:
	✓	
	✓	
	✓	
	✓	
	✓	

The forgoing resolution declared Approved Disapproved on this date 2/9/99.

Valerie Kohn, Clerk
Lincoln Township

CERTIFICATION

I, Valerie Kohn, the duly elected Clerk of Lincoln Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 2/9/99 at 7pm PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Valerie Kohn, Clerk
Lincoln Township

RESOLUTION NUMBER 99-1

TOWNSHIP OF MARION COUNTY OF OSCEOLA

WHEREAS, the Marion Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Marion Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Thomas G. Downing

Seconded by Martin C. Blackledge

Roll Call Vote	Aye:	Nay:
M. Blackledge	X	
D. Knickerbocker	X	
J. Mayle	X	
T. Downing	X	

The forgoing resolution declared Approved ~~Disapproved~~ on this date Mar 2, 1999.

Thomas Downing, Clerk
Marion Township

CERTIFICATION

I, Thomas Downing, the duly elected Clerk of Marion Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 3-2-99 at 7:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Thomas Downing, Clerk
Marion Township

RESOLUTION NUMBER #14 ('98-'99)

TOWNSHIP OF MIDDLE BRANCH COUNTY OF OSCEOLA

WHEREAS, the Middle Branch Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Middle Branch Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Carla Haenlein

Seconded by Donald Williams

Roll Call Vote	Aye:		Nay:
Susan Moomey	X		
Elton Blackledge	X		
Donald Williams	X		
Carla Haenlein	X		
Patricia Michell		ABSENT	

The forgoing resolution declared Approved Disapproved on this date March 8, 1999.

Carla Haenlein, Clerk
Middle Branch Township

CERTIFICATION

I, Carla Haenlein, the duly elected Clerk of Middle Branch Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on March 8, 1999 at 7:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Carla Haenlein, Clerk
Middle Branch Township

RESOLUTION NUMBER 20

TOWNSHIP OF ORIENT COUNTY OF OSCEOLA

WHEREAS, the Orient Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Orient Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Steve Fenton

Seconded by Merle Lloyd.

Roll Call Vote	Aye:	Nay:
	X	
	X	
	X	
	X	
	X	

The forgoing resolution declared Approved Disapproved on this date May 12th 1999

Alan Tiedt

Alan Tiedt, Clerk
Orient Township

CERTIFICATION

I, Alan Tiedt, the duly elected Clerk of Orient Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on Wed. May 12, 1999 at 8:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Alan Tiedt

Alan Tiedt, Clerk
Orient Township

RESOLUTION NUMBER 10

TOWNSHIP OF OSCEOLA COUNTY OF OSCEOLA

WHEREAS, the Osceola Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Osceola Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Darwin Booher

Seconded by Neal Feikema

Roll Call Vote	Aye:	Nay:
Booher	✓	
Schroeder	✓	
Carmichael	✓	
Rosneck	✓	
Feikema	✓	

The forgoing resolution declared Approved Disapproved on this date 4-12-99.

Sandra J. Carmichael
Sandra Carmichael, Clerk
Osceola Township

CERTIFICATION

I, Sandra Carmichael, the duly elected Clerk of Osceola Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 4-12-99 at 6:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Sandra J. Carmichael
Sandra Carmichael, Clerk
Osceola Township

RESOLUTION NUMBER 2-17-99-8

TOWNSHIP OF RICHMOND COUNTY OF OSCEOLA

WHEREAS, the Richmond Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Richmond Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Erler

Seconded by Blood

Roll Call Vote	Aye:	Nay:
Kaverman	X	
Blood	X	
Erler	X	
Williams	X	
Hettel	X	

The forgoing resolution declared Approved Disapproved on this date 2-17-99.

Joan Williams

Joan Williams, Clerk
Richmond Township

CERTIFICATION

I, Joan Williams, the duly elected Clerk of Richmond Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 2/17/99 at 7:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Joan Williams

Joan Williams, Clerk
Richmond Township

RESOLUTION NUMBER 030299

TOWNSHIP OF ROSE LAKE COUNTY OF OSCEOLA

WHEREAS, the Rose Lake Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Rose Lake Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member Cindy Johnson

Seconded by _____

Roll Call Vote	Aye:	Nay:
Jack Wilson	X	
Roy Kissinger	X	
Cindy Johnson	X	
Paul Fryer	X	
Mark Fryer	X	

The forgoing resolution declared Approved Disapproved on this date MARCH 2 - 1999

Cindy Johnson
Cindy Johnson, Clerk
Rose Lake Township

CERTIFICATION

I, Cindy Johnson, the duly elected Clerk of Rose Lake Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on MARCH 2 1999 at 7:35 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Cindy Johnson
Cindy Johnson, Clerk
Rose Lake Township

RESOLUTION NUMBER 19990208

TOWNSHIP OF SHERMAN COUNTY OF OSCEOLA

WHEREAS, the Sherman Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Sherman Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Board Member JoAnn Heida

Seconded by Sharon Black

Roll Call Vote	Aye:	Nay:
SHARON BLACK	✓	
JOANN HEIDA	✓	
GLORIA LANGWORTHY	✓	
LOUIE NYE	✓	
PETE NEMISH		✓

The forgoing resolution declared (Approved) Disapproved on this date Feb 8, 1999

Gloria Langworthy

Gloria Langworthy, Clerk
Sherman Township

CERTIFICATION

I, Gloria Langworthy, the duly elected Clerk of Sherman Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on 2/8/99 at 7:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Gloria Langworthy

Gloria Langworthy, Clerk
Sherman Township

RESOLUTION NUMBER _____

TOWNSHIP OF SYLVAN COUNTY OF OSCEOLA

WHEREAS, the Sylvan Township Board has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the Sylvan Township Board accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by BoardMember Myles Schooley

Seconded by Gayland Denslow

Roll Call Vote	Aye:		Nay:
D. Hazen	✓	B. Mills	✓
C. Berghoff	✓		
M. Schooley	✓		
G. Denslow	✓		

The forgoing resolution declared (Approved) Disapproved on this date March 8, 1999

Doris Hazen

Doris Hazen, Clerk
Sylvan Township

CERTIFICATION

I, Doris Hazen, the duly elected Clerk of Sylvan Township, hereby certify the foregoing resolution was presented to the Township Board at it's regular meeting held on March 8, 1999 at 6:30 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Doris Hazen

Doris Hazel, Clerk
Sylvan Township

RESOLUTION NUMBER _____

CITY OF EVART COUNTY OF OSCEOLA

WHEREAS, the City of Evart Council has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the City of Evart Council accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Council Member Robinson

Seconded by Holihan

Roll Call Vote	Aye:	Nay:
Burrell	X	
Duey	X	
Holihan	X	
Marsh	X	
Robinson	X	

The forgoing resolution declared Approved Disapproved on this date Feb 18. 99

April Helmer

April Helmer, Clerk
City of Evart

CERTIFICATION

I, April Helmer, the duly elected Clerk of City of Evart, hereby certify the foregoing resolution was presented to the City Council at it's regular meeting held on Monday Feb. 18-99 at 7:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

April Helmer

April Helmer, Clerk
City of Evart

RESOLUTION NUMBER 99-4

CITY OF REED CITY COUNTY OF OSCEOLA

WHEREAS, the City of Reed City Council has received and reviewed the 1998 Update of the Osceola County Solid Waste Plan;

AND WHEREAS, the Plan has met with the approval of the Osceola County Solid Waste Planning Committee;

AND WHEREAS, the Plan has also met with the approval of the Osceola County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED, that the City of Reed City Council accepts the 1998 Update of the Osceola County Solid Waste Plan as written, and approve said Plan.

The foregoing resolution offered by Council Member Campau

Seconded by Tetzlaff

Roll Call Vote	Aye:	Nay:	
Watson	x		
Tetzlaff	x		
Emig	x		
Flinton	x		
Campau	x		
Murnik	x		
Ruttle			Absent

The forgoing resolution declared Approved Disapproved on this date Feb. 16, 1999.

Jane E. Wekenman
Jane Wekenman, Clerk
City of Reed City

CERTIFICATION

I, Jane Wekenman, the duly appointed Clerk of City of Reed City, hereby certify the foregoing resolution was presented to the City Council at it's regular meeting held on February 16, 1999 at 7:00 PM, at which meeting a quorum was present, and the above roll call vote of said members herein before set forth.

Jane E. Wekenman
Jane Wekenman, Clerk
City of Reed City

Solid Waste Reciprocal Agreement

WHEREAS, Osceola County, as well as all counties in the State of Michigan, are required by Part 115 of Act 451, P.A. 1994 and Act 641, P.A. 1978, as amended, to update the current Solid Waste Plan, and;

WHEREAS, Osceola County and Leelanau County are responsible for the final deposition of all waste generated in their respective counties, and;

WHEREAS, Part 115 of Act 451, P.A. 1994, and Act 641, P.A. 1978, as amended, require that both the receiving and the sending county's solid waste management plan include the mechanism for a signed agreement between the two counties prior to any shipment of solid waste,

THEREFORE, BE IT RESOLVED, THAT Osceola County will agree to accept solid waste from Leelanau County so long as Osceola County has an approved solid waste disposal site that is open for public use.

BE IT FURTHER RESOLVED, THAT Leelanau County will agree to accept solid waste from Osceola County so long as an approved solid waste disposal site exists in Leelanau County that is open for public use.

BE IT FURTHER RESOLVED, THAT Osceola County agrees to establish and maintain a program for diverting a portion of its waste from landfill facilities and send its ANNUAL PROJECT UPDATE AND PROGRESS REPORT to Leelanau County. The waste diversion program must be acceptable to Leelanau County and shall contain, at a minimum, the following four (4) items:

1. Public Education Program

Osceola County shall participate in a program to inform the public of proper disposal methods for various wastes so that no improper wastes are disposed of in the landfill. The educational program shall also inform the public as to the importance of recycling and how the public can participate.

2. Recycling Program

The Osceola County recycling program shall include a sufficient number of drop-off sites or sufficient curbside recycling to provide the public with an opportunity to participate in the program.

3. Composting Program

Osceola County shall establish or participate in a composting program to prevent yard waste and other organic wastes from being disposed of in the landfill.

4. Household and Agricultural Hazardous Waste Collection

Osceola County shall conduct or participate in at least one (1) household and agricultural hazardous waste collection day per year. The collected wastes shall be disposed of at a facility licensed to receive that type of waste.

BE IT FURTHER RESPOLVED, THAT OSCEOLA County agrees to implement a waste diversion program, as outlined above, within one (1) year of the adoption of the Leelanau County Solid Waste Management Plan 1998 Update.

BE IT FURTHER RESOLVED, THAT this agreement is valid until the next revision of the Leelanau County Solid Waste Plan is approved. However, either county may give one-hundred eighty (180) days written notice of intent to terminate this agreement to allow the other party time to develop another source for solid waste disposal. Each county will save and hold the other county harmless from any and all liability actions arising from the disposal of solid waste.

FOR OSCEOLA COUNTY

Chairman
Osceola County
Board of Commissioners

7-30-98
Date

FOR LEELANAU COUNTY

J. Patrick Yoder, Chairman
Leelanau County
Board of Commissioners

11/2/98
Date

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, Osceola County and Lake County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended. and,

WHEREAS, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept solid waste from Lake County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT Lake County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT This agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

BE IT FURTHER RESOLVED, THAT both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR LAKE COUNTY

Charles F Young

Chairman, Board of Commissioners

Date: 4/1/99

FOR OSCEOLA COUNTY

Lana Lawton

Chairperson, Board of Commissioners

Date: 7-30-99

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, Osceola County and Mason County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended, and;

WHEREAS, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept solid waste from Mason County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT Mason County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT This agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

BE IT FURTHER RESOLVED, THAT both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR MASON COUNTY

Thomas M. Palmer

Chairman, Board of Commissioners

Date: 5-12-99

FOR OSCEOLA COUNTY

Lorna Kawlins

Chairperson, Board of Commissioners

Date: 7-30-99

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, Osceola County and Newaygo County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended. and,

WHEREAS, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept solid waste from Newaygo County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT Newaygo County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT This agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

BE IT FURTHER RESOLVED, THAT both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR NEWAYGO COUNTY

Mary K Balbierde
Chairman, Board of Commissioners

Date: 1-6-99

FOR OSCEOLA COUNTY

Donna Denslow
Chairperson, Board of Commissioners

Date: 7-30-98

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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.

DECEMBER 8, 1998

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:

OSCEOLA COUNTY PLANNING COMMISSION

CONTACT PERSON: HUGO R. TIETZ

ADDRESS: C/O OSCEOLA COUNTY CLERK
301 W. UPTON
REED CITY, MI 49677

PHONE: (616) 832-6102 FAX: (616) 832-6149

E-MAIL: (If Applicable)

CENTRAL REPOSITORY LOCATION(S): OSCEOLA COUNTY CLERK'S OFFICE

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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	Population	% Land Use		% of Economic Base*				
		Rural	Urban	Ag	Com	Ind	Res	Tim
Burdell Township	1,311	99	1	6.02	2.99	0.05	5.99	0.00
Cedar Township	310	100	0	2.89	0.00	0.05	3.91	0.00
Evart Township	1,297	90	10	6.19	4.16	2.71	9.14	0.00
Hartwick Township	492	100	0	7.90	0.31	0.00	3.06	16.01
Hersey Township	1,648	90	10	4.83	1.13	13.56	8.60	0.00
Highland Township	1,173	100	0	9.30	1.62	0.01	3.77	0.00
LeRoy Township	1,083	95	5	5.74	2.66	0.00	3.59	16.54
Lincoln Township	1,296	95	5	3.73	0.85	15.61	6.87	0.00
Marion Township	1,619	90	10	8.97	10.69	2.27	4.56	0.00
Middle Branch Township	812	100	0	6.53	1.61	0.01	3.14	25.40
Orient Township	730	100	0	3.97	1.63	1.05	5.29	21.55
Osceola Township	1,076	90	10	5.94	4.66	0.00	5.00	0.00
Richmond Township	1,991	85	15	9.81	15.06	10.12	6.81	0.00
Rose Lake Township	1,055	90	10	5.08	0.05	0.75	10.25	0.00
Sherman Township	1,109	100	0	6.51	5.90	0.00	4.23	0.00
Sylvan Township	899	100	0	6.55	1.53	0.00	4.52	20.51
City of Evart	1,751	0	100	0.00	17.58	32.13	4.80	0.00
City of Reed City	2,395	0	100	0.03	27.58	21.66	6.47	0.00

TOTAL POPULATION 22,047

*Ag - Agriculture; Com = Commercial; Ind - Industry; Res = Residential; Tim = Timber Cutover
Additional listings, if necessary, are listed on an attached page.

EXECUTIVE SUMMARY

CONCLUSIONS

Major conclusions resulting from the planning work during the development of this plan are as follows:

- It is important that the existing high quality environmental conditions in Osceola County be maintained.
- Solid Waste volumes are directly related to population and seasonal fluctuations.
- All solid waste collection and hauling is being done by private haulers.
- A portion of the solid waste generated in Osceola County is being recycled.
- All solid waste presently being collected in Osceola County that is not recycled or otherwise removed from the waste stream is disposed of by landfilling.
- At the present time, landfilling is the most economical method of solid waste disposal.
- Recycling is the primary five and twenty year alternative for reducing Osceola County's solid waste disposal based on an evaluation and ranking of various alternatives and estimated future conditions.

SELECTED ALTERNATIVES

All potentially feasible solid waste management systems were evaluated and ranked to determine the best systems for Osceola County. The major components of the five and twenty year recommended alternatives are as follows:

Recommended Five Year Alternatives:

- Solid waste collection by private haulers.
- Materials collected at the drop-off sites will be transported to a processing plant.
- Dispose of all wastes not removed from the waste stream by source reduction, recycling, composting, or other methods at a licensed landfill.
- Encourage development of transfer stations as needed.
- Enter into reciprocal agreements with counties in the region regarding solid waste disposal.
- Coordinate collection for household and agricultural hazardous wastes and dispose of them at a licensed out-of-county disposal site.
- Seek additional and alternative funding to promote the selected system and recycling efforts through education.
- The Osceola County Planning Commission or another organization designated by the County Board of Commissioners will be responsible for implementing the Solid Waste Management Plan. Membership on any designated organization should reflect the makeup of the Solid Waste Management Planning Committee as designated by the DEQ.

Recommended Ten Year Alternatives:

- Solid waste collection by private haulers.
- Continue developing alternatives to landfilling.
- Follow-up recommendations of five-year plan as feasible.
- Update plan at five year intervals.

INTRODUCTION

GOALS AND OBJECTIVES

To comply with Part 115 and its requirements, each Plan must be directed toward goals and objectives based or the purposes stated in Part 115, Sections 11538.(1)(a), 11541.(4) and the State Solid Waste Policy adoptec pursuant to this Section, and Administrative Rules 711(b)(i) and (ii). At a minimum, the goals must reflect twc 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 solic waste collection, transportation, processing, or disposal, so as to protect the quality of the air, the land, and ground and surface wasters.

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: The primary purpose of the Solid Waste Management Plan for Osceola County is to develop a totally workable system for the entire county that will utilize to the extent possible the resources available in Michigan's solid waste stream and be acceptable to the public.

Objective 1a: Identify and cooperate with existing interest groups and promote a plan that will conserve public resources.

Objective 1b: Promote a plan which is diverse and flexible enough to respond to socioeconomic changes throughout the planning period.

Goal 2: To encourage regional coordination among the neighboring counties.

Objective 2a: Foster a plan which is compatible with those of other counties in the region and maintain agreements with other counties.

Objective 2b: Maintain close liaison with the Osceola County Planning Commission and its efforts in solid waste management.

Goal 3: Implement a solid waste management plan which will coordinate the goals and objectives of Osceola County as well as the State of Michigan.

Objective 3a: Develop plan details consistent with implementing , assisting and promoting the existing methods of collection, conservation and disposal of solid waste which are in the best interest of the general public.

Objective 3b: Establish and maintain a high quality environment by developng and implementng integrated waste management which provides for the protection of public health and environment. Insure that the goals and objectives of the State of Michgan are in accordance with the goals and objectives of the general public.

Goal 4: To conserve natural resources through waste reduction and resource recovery practices.

Objective 4a: Treat solid waste as an economic resource, not a liability and encourage reuse and recycling of "waste" material.

INTRODUCTION

Objective 4b: Promote reductions in the amount of solid waste going to the landfills and encourage policies which reward resource conservation.

☐ Note: Additional goals and objectives are listed on attached pages.

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)

COUNTY	WASTE TYPE	CURRENT ANNUAL VOLUME (cubic yards)	FIVE YEAR ANNUAL VOLUME (cubic yards)	TEN YEAR ANNUAL VOLUME (cubic yards)
Osceola	Household solid waste	25,071	25,849	27,989
	Commercial solid waste	1,671	1,723	1,866
	Industrial solid waste	2,674	2,757	2,986
	Industrial sludge	-0-	-0-	-0-
	Municipal sludge	669	689	746
	Construction/Demolition	3,343	3,447	3,732

The county does not anticipate major problems associated with managing the solid waste generated within its borders since the landfills that have agreed to accept Osceola County's solid waste have over 10 years capacity. It is expected that Osceola County will remain a relatively rural county during this 10 year period, and will, therefore, have little industrial waste disposal impact on any of these landfills. Recycling in the county, while still on a small scale, has resulted in excess of 500 tons being diverted from landfills each year. If populations increase at a more rapid rate than anticipated, it is not expected to have an adverse effect on any of the landfills listed in this Plan.

Total volumes were compiled from statistics provided by waste haulers operating in the County. The rate of 19% of total waste generated was used to calculate compostible materials.

Below are the total quantity of solid waste generated, and the total quantity of solid waste needing disposal. The difference between the two is the present amount of solid waste either being composted or re-cycled.

TOTAL QUANTITY OF SOLID WASTE GENERATED:
33,428 ☐ Tons or ☒ Cubic Yards in 1 Year (identify unit of time)

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:
22,563 ☐ Tons or ☒ Cubic Yards in 1 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.

Type III Landfills to be Utilized by Osceola County

LANDFILL	LOCATION
Central Sanitary Landfill	Montcalm County
Glen's Landfill	Leelanau County
Northern Oaks Recycling & Disposal Facility	Clare County
Osceola County Waste Systems	Osceola County (IF OPENED)
Pitsch Landfill	Ionia County
Venice Park Recycling and Disposal Facility	Shiawassee County
Wexford County Landfill	Wexford County

Facility Descriptions on following pages.

DATA BASE

Facility Type: Type II Landfill

Facility Name: Central Sanitary Landfill, Inc.

County: Montcalm Location: Town: T11N Range: R10W Section(s): 21

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: N/A

☐ Public ☒ Private Owner: Allied Waste of North America Inc.

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos, sludge, fly ash, industrial by-products

Site Size:

Total area of facility property:	315	acres
Total area sited for use:	120.32	acres
Total area permitted:	120	acres
Operating:	18.45	acres
Not excavated:	5.76	acres
Current capacity:	1,027,781	☐ tons or ☒ yds^3
Estimated lifetime:	5	years
Estimated days open per year:	306	days
Estimated yearly disposal volume:	124,700	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

Facility Type: Type II Sanitary Landfill

Facility Name: Glen's Sanitary Landfill

County: Leelanau Location: Town: T28 N Range: R13W Section(s): 35

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: N/A

☐Public X Private Owner: Waste Management of Michigan Inc.

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☒	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos (nonfriable)

Site Size:

Total area of facility property:	460	acres
Total area sited for use:	133	acres
Total area permitted:	133	acres
Operating:	14.8	acres
Not excavated:	89.3	acres
Current capacity:	22 Million	☐tons or ☒yds^3
Estimated lifetime:	60	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	300K	☐tons or ☒yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Northern Oaks Recycling & Disposal Facility

County: Clare Location: Town: T19N Range: R4W 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: N/A

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

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	320	acres
Total area sited for use:	76	acres
Total area permitted:	76	acres
Operating:	19	acres
Not excavated:	57	acres
Current capacity:	18,755,100	☐ tons or ☒ yds^3
Estimated lifetime:	43	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	409,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

FACILITY DESCRIPTIONS

AKA Richmond Landfill II-4

Facility Type: TYPE II LANDFILL

Facility Name: OSCEOLA COUNTY WASTE SYSTEMS, INC.

County: OSCEOLA Location: Town: 17N Range: 10W Section(s): 30

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: N/A

☐ Public ☒ Private Owner: Osceola County Waste Systems, Inc. Bill McCarthy, President

Operating Status (check)		Waste Types Received (check all that apply)	
☐	open	☒	residential
☒	closed	☒	commercial
☐	licensed	☒	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
**This landfill has been closed since September 2, 1994 due to non-compliance, which is in the Courts. An attempt to reopen this landfill is presently being made by Waste Professionals Inc. with address of Drake Oak Brook Plaza, 2215 York Road, Suite 108, Oak Brook IL 60521. This firm represented by a Mr. Ron Boerema. (This information obtained on 3-7-98.)

Site Size:

Total area of facility property:	80	acres
Total area sited for use:	80	acres
Total area permitted:	40	acres
Operating:	0	acres
Not excavated:	20	acres
Current capacity:	1,500,000	☐ tons or ☒ yds^3
Estimated lifetime:	15	years
Estimated days open per year:	**	days
Estimated yearly disposal volume:	**	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town: 8N Range: 7E Section(s): 7

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: Pitsch Companies

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☒	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☒	other: Asbestos

* Explanation of special wastes, including a specific list and/or conditions: Construction & demolition, foundry sand, sludge, comtaminated soils, street sweepings, fly ash, bottom ash, and slag.

Site Size:

Total area of facility property:	143.5	acres
Total area sited for use:	28.36	acres
Total area permitted:	78.44	acres
Operating:	9.87	acres
Not excavated:	70	acres
Current capacity:	415,000	☒ tons or ☐ yds^3
Estimated lifetime:	5	years
Estimated days open per year:	307	days
Estimated yearly disposal volume:	83,000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Venice Park Recycling and Disposal Facility

County: Shiawassee Location: Town: 7N Range: 4E Section(s): 27

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)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☒	other: Non-hazardous liquids for solidification

* Explanation of special wastes, including a specific list and/or conditions:
Contaminated soils, treated medical waste, asbestos (nonfriable)

Site Size:

Total area of facility property:	331	acres
Total area sited for use:	80	acres
Total area permitted:	69	acres
Operating:	41	acres
Not excavated:	2.5	acres
Current capacity:	1,300,000	☐ tons or ☒ yds^3
Estimated lifetime:	2.5	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	526,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	12,500	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Wexford County Landfill

County: Wexford Location: Town: T23N Range: R9W Section(s): 33&34

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: N/A

☒ Public ☐ Private Owner: WEXFORD COUNTY DEPT. OF PUBLIC WORKS

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	146	acres
Total area sited for use:	51	acres
Total area permitted:	51	acres
Operating:	4	acres
Not excavated:	0	acres
Current capacity:	2.0 Million	☐ tons or ☒ yds^3
Estimated lifetime:	12-14	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	200K	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

Facility Type: Type B Transfer Station

Facility Name: Hersey Township Transfer Station

County: Osceola Location: Town: 17N Range: 9W Section(s): 30

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: Centrl Sanitary Landfill

☒ Public ☐ Private Owner: Hersey Township

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☐	licensed	☐	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☐	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	5	acres
Total area sited for use:	_____	acres
Total area permitted:	_____	acres
Operating:	_____	acres
Not excavated:	_____	acres
Current capacity:	60	☐ tons or ☒ yds^3
Estimated lifetime:	_____	years
Estimated days open per year:	52	days
Estimated yearly disposal volume:	2280	☐ 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: Type B Transfer Station

Facility Name: Richmond Township Transfer Station

County: Osceola Location: Town: 17N Range: 10W Section(s): 11

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: Central Sanitary Landfill

☒ Public ☐ Private Owner: Richmond Township

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☐	licensed	☐	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☐	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	____	acres
Total area permitted:	____	acres
Operating:	____	acres
Not excavated:	____	acres
Current capacity:	42	☐ tons or ☒ yds^3
Estimated lifetime:	____	years
Estimated days open per year:	____	days
Estimated yearly disposal volume:	1560	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

DATA BASE

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.

The county has four companies/individuals which provide adequate collection services throughout the county. Residents outside the limits of both cities and villages contract individually with waste haulers for pickup of solid waste at their residence. Also there are two townships, each of which have a transfer station serviced by one of the licensed solid waste haulers.

The City of Evart contracts with a licensed solid waste hauler for curbside pickup, including recycling materials, within the city limits for residential solid waste. Businesses and industry have the option of contracting privately for these services.

The City of Reed City also contracts with a licensed solid waste hauler for curbside pickup of solid waste within their city limits. The city does not participate in a curbside recycling program but residents may use a bag system for curbside pickup or participate in the local program run by a volunteer recycling organization. Businesses and industry also have the option of contracting with private enterprise for additional services.

The State and County highways are displayed on the map on page D-4. The State highway network in Osceola County has a total of 92 miles of roads which are designated M-61, US 10, US 131, M-115, and M-66. The roads which collect traffic in the county and feed it into the regional system are termed Major and Minor Collectors or County Primary Roads. There are 248 miles of county primary roads. The county local roads, of which there are 684 miles, serve as a secondary collection system which feeds the primary and arterial networks. Over 246.5 miles of the county's primary and secondary system is hard surfaced. Most of the secondary system is two lane gravel-surfaced roadway. The state highways within the county are all-season routes. County roads are subject to seasonal load restrictions.

EVALUATION OF DEFICIENCIES AND PROBLEMS

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

1. Lack of overall organization and implementing legislation.
2. Lack of administrative supervision and enforcement of solid waste disposal practices.
3. Lack of funds for adequate maintenance.
4. Lack of an adequate urban segment of the population large enough to actively sustain a county operated landfill. The predominate rural nature of the county will greatly affect the amounts of solid waste available for burial in landfills and thus the economics of the operation.

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.

COUNTY	1995	2000	2005	2010	2015	2020
Osceola County	21,763	23,400	25,000	26,600	28,200	29,800

(Source: Northwest Michigan Council of Governments, Office of State Demographer)

The population centers in the county are the cities of Reed City and Evart and the townships immediately surrounding the cities. (See map in Appendix D, D-4). The centers of solid waste generation are the same as the population centers. The majority of the industrial solid waste generation has been confined to the industrial parks in both Reed City, Evart and the village of Marion. It is anticipated this trend will continue during both a five and a ten year projection.

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.

The rural nature of Osceola County has not changed significantly in the last 20 years. Residential growth and development has been scattered throughout the county, with significant increases in population in the townships immediately surrounding the cities of Reed City, Evart, the villages of Hersey, LeRoy, Tustin, and Marion. Industrial growth has primarily been seen in the industrial parks located in the city of Reed City , Evart and the Village of Marion. A Land Use Plan adopted by the Planning Commission in 1991 recommends continued expansion of industrial uses in industrial parks, and commercial/light industrial uses along major all-season county and state highways. Following this recommendation can decrease infrastructure costs for highways, both improvement and maintenance, and provide suitable transportation routes for waste haulers to utilize for pick-ups. (See Land Use Map in Appendix D, D-4).

DATA BASE

SOLID WASTE MANAGEMENT ALTERNATIVES

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

ALTERNATIVE #I:

STORAGE:

The storage of solid waste generated at some homes, commercial and industrial establishments at times pose public health and safety hazards. These poor practices allow access to the solid waste by children, animals and insects, the blowing of debris by wind, and increase handling problems for collectors. Proper storage of solid waste prior to collection and/or transportation to a disposal area is the first step towards efficient solid waste management. The improvement of storage practices can be accomplished two ways: 1)create a good public information program to provide for positive storage practices by the public; 2) promote enforcement of existing regulations such as the littering laws and secure load laws which are both State Laws enforceable by all law enforcement agencies. These two steps will help form an effective solid waste management program in Osceola County.

COLLECTION:

The recommended system of collection would incorporate both resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established by private enterprise.

TRANSPORTATION:

The prevention of littering during collection and hauling can be achieved by the enforcement of local ordinances and State Laws regarding solid waste hauler littering. Michigan Department of Transportation requires proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill accepting Osceola County wastes.

DISPOSAL:

The present recommended method of disposal of solid waste from Osceola County is to transport it out of the county to an approved landfill. The primary landfills for Osceola County are Central Landfill in Montcalm County, Northern Oaks in Clare County, and Glen's Landfill in Leelanau County.

DATA BASE

RECYCLING:

Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non profit organization). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services.

HOUSEHOLD HAZARDOUS WASTES:

The County will endorse the concept of this program, and promote this service as offered and provided by private enterprise at an approved site. Acceptance of Osceola County waste by a county with a landfill offering this service would make it available to our residents. In addition Cities and Townships if they desire to provide this service, are encouraged to do so.

INSTITUTIONAL ARRANGEMENTS:

Osceola County endorses the concept of an independent jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Osceola County will continue to endorse and promote educational and informational programs which promote waste reduction and resource recovery. Programs are available through the Michigan State University Extension Service.

ALTERNATIVE #2:

STORAGE:

The storage of solid waste generated at some homes, commercial and industrial establishments at times pose public health and safety hazards. These poor practices allow access to the solid waste by children, animals and insects, the blowing of debris by wind, and increase handling problems for collectors. Proper storage of solid waste prior to collection and/or transportation to a disposal area is the first step towards efficient solid waste management. The improvement of storage practices can be accomplished two ways: 1)create a good public information program to provide for positive storage practices by the public; 2) promote enforcement of existing regulations such as the littering laws and secure load laws which are both State Laws enforceable by all law enforcement agencies. These two steps will help form an effective solid waste management program in Osceola County.

COLLECTION:

The recommended system of collection would incorporate both resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary' beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract

agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by the County on county-owned property.

TRANSPORTATION:
The prevention of littering during collection and hauling would be achieved by the enforcement of local ordinances and regulations regarding solid waste haulers. Michigan Department of Transportation requires proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill accepting Osceola County wastes.

DISPOSAL:
The present recommended method of disposal of solid waste from Osceola County is to transport it out of the county to an approved landfill. The primary landfills for Osceola County are Central Landfill in Montcalm County, Northern Oaks in Clare County, and Glen's Landfill in Leelanau County, and the Pitsch Landfill in Ionia County. Agreements with these landfills provide for contingency plans for use in the event one or more of the primary use landfills are unavailable. Agreements with these landfills are included in Appendix D.

RECYCLING:
Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non profit organization). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services.

HOUSEHOLD HAZARDOUS WASTES:
This service would be offered to Osceola County residents at a facility built for that purpose and funded by Osceola County.

INSTITUTIONAL ARRANGEMENTS:
Osceola County endorses the concept of an independent jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County' to provide services to residents.

EDUCATIONAL AND INFORMATION PROGRAMS:
Osceola County would provide educational and informational programs to the public which promote waste reduction and resource recovery.

ALTERNATIVE #3:

STORAGE:
The storage of solid waste generated at some homes, commercial and industrial establishments at times pose public health and safety hazards. These poor practices allow access to the solid waste by children, animals and insects, the blowing of debris by wind, and increase handling problems for

collectors. Proper storage of solid waste prior to collection and/or transportation to a disposal area is the first step towards efficient solid waste management. The improvement of storage practices can be accomplished two ways: 1)create a good public information program to provide for positive storage practices by the public; 2) adopt an ordinance which includes enforcement capabilities for the collection and storage of solid waste. These two steps will help form an effective solid waste management program in Osceola County.

COLLECTION:

The recommended system of collection would incorporate both resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by the County on county-owned property.

TRANSPORTATION:

The prevention of littering during collection and hauling would be achieved by the adoption of a solid waste regulation. This regulation should require proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill in Osceola County.

DISPOSAL:

This alternative would provide for a new landfill located in Osceola County, and either owned and operated by the County, or owned and operated by private enterprise. The site for a landfill must comply with current state regulations, provide adequate disposal capacity for Osceola County's solid waste for a period of 20 years, must comply with restrictions and requirements of local ordinances and land use plans, accessible by an existing all weather road, located only where an aquifer is protected by a natural clay barrier and within approximately ten miles of the center of population of Osceola County. The site shall be no less than two miles from the corporate limits of any village or city. Development of any landfill would be encouraged only on Clay loam soils or soils which can be shown to have equivalent properties. No construction of a landfill shall take place within 2000 feet from any year-round stream, nor within one mile of any lake. No construction will be permitted in any wetland. Construction shall not obstruct any natural runoff or drainage area.

RECYCLING:

Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non profit organization). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services. In the event that Recycle of Osceola County Inc. should disband or discontinue, the following will apply. Recycling programs will

be run in conjunction with the operation of the landfill, with the recycling center being located at the site of the landfill. Operation of the recycling center/program would be the responsibility of the owner of the landfill.

HOUSEHOLD HAZARDOUS WASTES:
The landfill would be the site for the county's annual household hazardous waste collection.

INSTITUTIONAL ARRANGEMENTS:
Osceola County endorses the concept of an independent jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:
Osceola County, in cooperation with private disposal facilities, will provide educational and informational programs which promote waste reduction and resource recovery to the public.

ALTERNATIVE #4:

STORAGE:
The storage of solid waste generated at some homes, commercial and industrial establishments at times pose public health and safety' hazards. These poor practices allow access to the solid waste by children, animals and insects, the blowing of debris by wind, and increase handling problems for collectors. Proper storage of solid waste prior to collection and/or transportation to a disposal area is the first step towards efficient solid waste management. The improvement of storage practices can be accomplished two ways: l)create a good public information program to provide for positive storage practices by the public: 2) adopt an ordinance which includes enforcement capabilities for the collection and storage of solid waste. These two steps will help form an effective solid waste management program in Osceola County.

COLLECTION:
The recommended system of collection would incorporate both resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center. boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by the County on county-owned property.

TRANSPORTATION:
The prevention of littering during collection and hauling would be achieved by the adoption of a solid waste regulation. This regulation should require proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill in Osceola County.

DATA BASE

DISPOSAL:

This alternative would provide for a landfill located in Osceola County, and either owned and operated by the County, or owned and operated by private enterprise. The site for a landfill must comply with current state regulations, provide adequate disposal capacity for Osceola County's solid waste for a period of 20 years, must comply with restrictions and requirements of local ordinances and land use plans, accessible by an existing all weather road, located only where an aquifer is protected by a natural clay barrier and within approximately ten miles of the center of population of Osceola County. The site shall be no less than two miles from the corporate limits of any village or city. Development of any landfill would be encouraged only on clay loam soils or soils which can be shown to have equivalent properties. No construction of a landfill shall take place within 2000 feet from any year-round stream, nor within one mile of any lake. No construction will be permitted in any wetland. Construction shall not obstruct any natural runoff or drainage area. In addition, incineration services would be available at the landfill facility.

RECYCLING:

Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non profit organization). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services. In the event that Recycle of Osceola County Inc. should disband or discontinue, the following will apply. Recycling programs will be run in conjunction with the operation of the landfill, with the recycling center being located at the site of the landfill. Operation of the recycling center/program would be the responsibility of the owner of the landfill.

HOUSEHOLD HAZARDOUS WASTES:

The landfill would be the site for the county's annual household hazardous waste collection.

INSTITUTIONAL ARRANGEMENTS:

Osceola County endorses the concept of an independent jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATION PROGRAMS:

Osceola County, in cooperation with private disposal facilities, will provide educational and informational programs which promote waste reduction and resource recovery to the public.

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 System for solid waste management in Osceola County addresses proper storage of solid waste generated at residences, commercial and industrial establishments, and agricultural uses. Education of proper management practices is an important element to help reduce risks to public health and safety from improper storage. Collection of the solid wastes will be managed by licensed waste haulers contracted on an individual basis by property owners and/or businesses and industry. In addition to curbside collections, the option will be available to consumers for additional storage in dumpsters provided by the waste haulers. Public health, MDEQ, State and local laws and Michigan Department of Transportation regulations, will dictate enforcement mechanisms that will be followed in Osceola County.

Transportation to an approved licensed landfill willing to accept waste from Osceola County will be done on a direct haul basis by the licensed solid waste hauler. Michigan Department of Transportation regulations will dictate proper collection methods as far as maintenance of hauling equipment and proper handling of solid waste while on highways. Primary roads servicing existing landfills in Osceola County, shall be paved all-weather , class A roads. These roads will be based on criteria determined by the Osceola County Road Commission.

The recycling program will be continued in Osceola County, one of which is owned and operated by Recycle of Osceola County Inc., located in Reed City. Other Recycle programs are in effect in the City of Evart, the villages of LeRoy and Marion. These programs being accomplished with the haulers in the area.

SELECTED SYSTEM

The disposal of household hazardous wastes has been cost prohibitive for the Osceola County Board of Commissioners in the past. With an agreement to use the Northern Oaks Facility in Clare County, having an established disposal program at this facility. And the use of the Isabella County Household Hazardous Waste Collection Program., our residents will be able to participate at little or no additional cost to the County.

Osceola County will continue to endorse the concept of an independent jurisdictional approach to the management of solid waste. The Board of Commissioners has committed to the continuation of an educational and informational program on all aspects of waste management, including proper disposal resource conservation, recycling, composting and waste reduction. These programs will be coordinated with MSU Extension Service.

The County wants to remain independent and not become part of a region for solid waste management.

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 QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS[2]	
Osceola	Clare	Osceola County Waste Systems Inc. (PRESENTLY NOT LICENSED)	100%	100%	P	Clare - NO
Osceola	Grand Traverse		100%	100%	P	Grand Trav - Yes
Osceola	Ionia		100%	100%	*	Ionia Co. - See last pg of Plan - Special wastes only
Osceola	Isabella		100%	100%	P	Isabella - Yes
Osceola	Lake		100%	100%	P	Lake - No (C only)

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

[2] Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is Attachment Section.

SELECTED SYSTEM

Osceola	Leelanau	100%	100%	P	Leelanau - NO
Osceola	Manistee	100%	100%	P	Manistee - NO
Osceola	Mason	100%	100%	P	Mason - NO
Osceola	Mecosta	100%	100%	P	Mecosta - yes
Osceola	Missaukee	100%	100%	P	Missaukee - NO
Osceola	Montcalm	100%	100%	P	Montcalm - yes
Osceola	Newaygo	100%	100%	P	Newaygo - NO
Osceola	Oceana	100%	100%	P	Oceana - yes
Osceola	Shiawassee	100%	100%	P	Shiawassee - NO
Osceola	Wexford	100%	100%	P	Wexford - NO

If a new solid waste disposal area is constructed and operating in the future in the County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS in Table 1-B.

Table 1-B

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

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME[1]	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS[2]
Osceola	Clare	N/A	100%	100%	Primary
Osceola	Grand Traverse	N/A	100%	100%	Primary
Osceola	Ionia	N/A	100%	100%	Primary
Osceola	Isabella	N/A	100%	100%	Primary
Osceola	Lake	N/A	100%	100%	Primary
Osceola	Leelanau	N/A	100%	100%	Primary
Osceola	Manistee	N/A	100%	100%	Primary
Osceola	Mason	N/A	100%	100%	Primary
Osceola	Mecosta	N/A	100%	100%	Primary
Osceola	Missaukee	N/A	100%	100%	Primary
Osceola	Montcalm	N/A	100%	100%	Primary
Osceola	Newaygo	N/A	100%	100%	Primary
Osceola	Oceana	N/A	100%	100%	Primary
Osceola	Shiawassee	N/A	100%	100%	Primary
Osceola	Wexford	N/A	100%	100%	Primary

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

[2] Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

EXPORT AUTHORIZATION

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

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME[1]	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS[2]
Osceola	Clare	Northern Oaks	100%	100%	P
Osceola	Ionia	Pitsch Landfill	100%	100%	P
Osceola	Leelanau	Glen's Landfill	100%	100%	P
Osceola	Montcalm	Central Sanitary Landfill Inc.	100%	100%	P
Osceola	Shiawassee	Venice Park Recycling & Disposal Facility	100%	100%	C
Osceola	Wexford	Wexford Co. Landfill	100%	100%	C

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

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

[2] Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

If a new solid waste disposal area is constructed and operates in the future in another County, then disposal of solid waste generated by the EXPORTING COUNTY is authorized up to the AUTHORIZED QUANTITY according to the AUTHORIZED CONDITIONS in Table 2-B if authorized for import in the approved Solid Waste Management Plan of the receiving County.

Table 2-B

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

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME[1]	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS[2]
____	____	____	____	____	____
OSCEOLA		NOT APPLICABLE			
____	____	____	____	____	
____	____	____	____	____	
____	____	____	____	____	
____	____	____	____	____	
____	____	____	____	____	____

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

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

[2] Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section.

SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages III-9 through III-17 contain descriptions of the solid waste disposal facilities which are located within the County and the disposal facilities located outside of the County which will be utilized by 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 A Transfer Facility:
None

Type B Transfer Facility:

Hersey Township
Richmond Township

Type II Landfill:
Central Sanitary Landfill in Montcalm County
Glen's Landfill, in Leelanau County
Northern Oaks Recycling & Disposal in Clare County
Osceola County Waste Systems in Osceola County (If opened)
Pitsch Landfill, in Ionia County
Venice Park Recycling & Disposal Facility in Shiawassee County
Wexford County Landfill in Wexford County

Processing Plant
None

Incinerator:
None

Waste Piles:
None

Waste-to-Energy Incinerator:

Other:

Additional facilities are listed on an attached page. Letters from or agreements with the listed disposal areas owners/operators stating their facility capacity and willingness to accept the County's solid waste are in the AttachmentsSection.

SELECTED SYSTEM

Facility Type: Type II Landfill

Facility Name: Central Sanitary Landfill, Inc.

County: Montcalm Location: Town: T11N Range: R10W Section(s): 21

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: N/A

☐ Public ☒ Private Owner: Allied Waste of North America Inc.

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos, sludge, fly ash, industrial by-products

Site Size:

Total area of facility property:	315	acres
Total area sited for use:	120.32	acres
Total area permitted:	120	acres
Operating:	18.45	acres
Not excavated:	5.76	acres
Current capacity:	1,027,781	☐ tons or ☒ yds^3
Estimated lifetime:	5	years
Estimated days open per year:	306	days
Estimated yearly disposal volume:	124,700	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

Facility Type: Type II Sanitary Landfill

Facility Name: Glen's Sanitary Landfill

County: Leelanau Location: Town: T28 N Range: R13W Section(s): 35

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: N/A

☐Public X Private Owner: Waste Management of Michigan Inc.

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☒	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos (nonfriable)

Site Size:

Total area of facility property:	460	acres
Total area sited for use:	133	acres
Total area permitted:	133	acres
Operating:	14.8	acres
Not excavated:	89.3	acres
Current capacity:	22 Million	☐tons or ☒yds^3
Estimated lifetime:	60	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	300K	☐tons or ☒yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Northern Oaks Recycling & Disposal Facility

County: Clare Location: Town: T19N Range: R4W 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: N/A

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

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	320	acres
Total area sited for use:	76	acres
Total area permitted:	76	acres
Operating:	19	acres
Not excavated:	57	acres
Current capacity:	18,755,100	☐ tons or ☒ yds^3
Estimated lifetime:	43	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	409,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

AKA: Richmond Sanitary Landfill III-12

Facility Type: TYPE II LANDFILL

Facility Name: OSCEOLA COUNTY WASTE SYSTEMS, INC.

County: OSCEOLA Location: Town: 17N Range: 10W Section(s): 30

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: N/A

☐ Public ☒ Private Owner: Osceola County Waste Systems, Inc. Bill McCarthy, President

Operating Status (check)		Waste Types Received (check all that apply)	
☐	open	☒	residential
☒	closed	☒	commercial
☐	licensed	☒	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

* Explanation of special wastes, including a specific list and/or conditions:
**This landfill has been closed since September 2, 1994 due to non-compliance, which is in the Courts. An attempt to reopen this landfill is presently being made by Waste Professionals Inc. with address of Drake Oak Brook Plaza, 2215 York Road, Suite 108, Oak Brook IL 60521. This firm represented by a Mr. Ron Boerema. (This information obtained on 3-7-98.)

Site Size:

Total area of facility property:	80	acres
Total area sited for use:	80	acres
Total area permitted:	40	acres
Operating:	0	acres
Not excavated:	20	acres

Current capacity:	1,500,000	☐ tons or ☒ yds^3
Estimated lifetime:	15	years
Estimated days open per year:	**	days
Estimated yearly disposal volume:	**	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town: 8N Range: 7E Section(s): 7

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: Pitsch Companies

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☒	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☒	other: Asbestos

* Explanation of special wastes, including a specific list and/or conditions: Construction & demolition, foundry sand, sludge, comtaminated soils, street sweepings, fly ash, bottom ash, and slag.

Site Size:

Total area of facility property:	143.5	acres
Total area sited for use:	28.36	acres
Total area permitted:	78.44	acres
Operating:	9.87	acres
Not excavated:	70	acres
Current capacity:	415,000	☒ tons or ☐ yds^3
Estimated lifetime:	5	years
Estimated days open per year:	307	days
Estimated yearly disposal volume:	83,000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Venice Park Recycling and Disposal Facility

County: Shiawassee Location: Town: 7N Range: 4E Section(s): 27

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)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☒	special wastes *
		☒	other: Non-hazardous liquids for solidification

* Explanation of special wastes, including a specific list and/or conditions:
Contaminated soils, treated medical waste, asbestos (nonfriable)

Site Size:

Total area of facility property:	331	acres
Total area sited for use:	80	acres
Total area permitted:	69	acres
Operating:	41	acres
Not excavated:	2.5	acres
Current capacity:	1,300,000	☐ tons or ☒ yds^3
Estimated lifetime:	2.5	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	526,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	12,500	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM
Facility Type: Type II Sanitary Landfill

Facility Name: Wexford County Landfill

County: Wexford Location: Town: T23N Range: R9W Section(s): 33&34

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: N/A

☒ Public ☐ Private Owner: WEXFORD COUNTY DEPT. OF PUBLIC WORKS

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☒	licensed	☒	industrial
☐	unlicensed	☒	construction & demolition
☐	construction permit	☒	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	146	acres
Total area sited for use:	51	acres
Total area permitted:	51	acres
Operating:	4	acres
Not excavated:	0	acres
Current capacity:	2.0 Million	☐ tons or ☒ yds^3
Estimated lifetime:	12-14	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	200K	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

DATA BASE

Facility Type: Type B Transfer Station

Facility Name: Hersey Township Transfer Station

County: Osceola Location: Town: 17N Range: 9W Section(s): 30

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: Centrl Sanitary Landfill

☒ Public ☐ Private Owner: Hersey Township

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☐	licensed	☐	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☐	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	5	acres
Total area sited for use:	____	acres
Total area permitted:	____	acres
Operating:	____	acres
Not excavated:	____	acres
Current capacity:	60	☐ tons or ☒ yds^3
Estimated lifetime:	____	years
Estimated days open per year:	52	days
Estimated yearly disposal volume:	2280	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

DATA BASE

Facility Type: Type B Transfer Station

Facility Name: Hersey Township Transfer Station

County: Osceola Location: Town: 17N Range: 9W Section(s): 30

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: Centrl Sanitary Landfill

☒ Public ☐ Private Owner: Hersey Township

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☐	licensed	☐	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☐	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	5	acres
Total area sited for use:	_____	acres
Total area permitted:	_____	acres
Operating:	_____	acres
Not excavated:	_____	acres
Current capacity:	60	☐ tons or ☒ yds^3
Estimated lifetime:	_____	years
Estimated days open per year:	52	days
Estimated yearly disposal volume:	2280	☐ tons or ☒ yds^3

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	N/A	megawatts
Waste-to-energy incinerators:	N/A	megawatts

SELECTED SYSTEM

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Richmond Township Transfer Station

County: Osceola Location: Town: 17N Range: 10W Section(s): 11

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: Central Sanitary Landfill

☒ Public ☐ Private Owner: Richmond Township

Operating Status (check)		Waste Types Received (check all that apply)	
☒	open	☒	residential
☐	closed	☒	commercial
☐	licensed	☐	industrial
☒	unlicensed	☒	construction & demolition
☐	construction permit	☐	contaminated soils
☐	open, but closure pending	☐	special wastes *
		☐	other:

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

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	____	acres
Total area permitted:	____	acres
Operating:	____	acres
Not excavated:	____	acres
Current capacity:	42	☐ tons or ☒ yds^3
Estimated lifetime:	____	years
Estimated days open per year:	____	days
Estimated yearly disposal volume:	1560	☐ tons or ☒ yds^3

(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

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

The county has four companies/individuals which provide adequate collection services throughout the county. Residents outside the limits of both cities and villages contract individually with waste haulers for pickup of solid waste at their residence. Two townships, each of which have a transfer station serviced by one of the licensed solid waste haulers.

The City of Evart contracts with a licensed solid waste hauler for curbside pickup, including recycling materials, within the city limits for residential solid waste. Businesses and industry have the option of contracting privately for these services.

The City of Reed City also contracts with a licensed solid waste hauler for curbside pickup of solid waste within their city limits. The city does not participate in a curbside recycling program but residents may use a bag system for curbside pickup or participate in the local program run by a volunteer recycling organization. Businesses and industry also have the option of contracting with private enterprise for additional services.

The State and County highways are displayed on the map on page D-4. The State highway network in Osceola County has a total of 92 miles of roads which are designated M-61, US 10, US 131, M-115, and M-66. The roads which collect traffic in the county and feed it into the regional system are termed Major and Minor Collectors or County Primary Roads. There are 248 miles of county primary roads. The county local roads, of which there are 684 miles, serve as a secondary collection system which feeds the primary and arterial networks. Over 246.5 miles of the county's primary and secondary system is hard surfaced. Most of the secondary system is two lane gravel-surfaced roadway. The state highways within the county are all-season routes. County roads are subject to seasonal load restrictions.

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 yr.	5th yr.	10th
Promote the reuse of products.	3,000	4,000	5,000
Promote the reduction of materials used for packaging.	4,000	5,000	6,000
Promote the use of recycled products.	8,000	10,000	12,000

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

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	Est. Air Space Conserved Yds^3/Yr		
	Current	5th yr.	10th yr.
Continue Commercial and Industrial compaction of all Solid Waste	4,000	4,500	5,000

☐ 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.

	ANNAUL VOLUME	RECYCLED FROM REED CITY
Mixed Paper	600	100 Ton
Mixed Fiber	1,440	240 Ton
Plastic	1100	4 Ton
Tin	180	30 Ton
Aluminum	6	1 Ton
Glass	360	30 Ton
News Print	1,200	200 Ton
Styrofoam	20	2 Ton
Film Plastic	125	1 Ton
TOTAL	**5,031 Ton**	**608 Ton**

☒ 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:

☒ 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:

☒ 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-24, 25, & 26 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-27, 28, & 29 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 intênt to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

The recycling program in the county is a privately run program. The Reed City area program is incorporated as a nonprofit and has 501-C3 status. The Reed City Recycling Center is open to the public every second Saturday of the month from 9:00 a.m. to Noon. The Reed City Area Recycling Center offers weekly pickup of cardboard from the area businesses. The Boy Scouts provide a 24 hour per day drop off for news print.

The Evart area offers a recycling program on the same day and most of the material collected comes to the Reed City Center.

The LeRoy area recycling program is provided by one of the waste haulers.

The Recycling Program in Osceola County will continue and will be expanded to include other parts of the County.

The County will continue to encourage residents to practice composting on private property and will promote this program through an educational program in cooperation with MSU Extension and the Osceola/Lake Conservation District.

Household hazardous waste collection and disposal is done by residents in the County on a volunteer basis. There are a number of sites available to accept this material. The County Solid Waste Management Planning Committee will identify these sites and inform the residents as to the date and location this hazardous waste material can be dropped off.

TABLE III-1

RECYCLING:

Program Name	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
Recycle of Osceola Co. Inc.	Reed City Area	Private	c/d	w/m	ABCDEF	6	6	6
Evart Area	Evart Area	Private	c/d	w/m	ABCDEF	6	6	6
LeRoy Township	LeRoy/Tustin Area	Private	d	m	ABCKEF	6	6	6

☐ 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 29); 5 = Private Owner/Operator; 6 = Other (Identified on page 29).

[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. 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 31.

SELECTED SYSTEM

TABLE III-2

COMPOSTING:

Program Name	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
City of Reed City	City of Reed City	Public	C	Sp,Fa	G,L	3	3	6
City Of Evart	City of Evart	Public	C	Sp,Fa	G,L	3	3	6
Home Composting	County Wide	Private	O	d	G,L,F	6	6	6

☐ 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 29); 5 = Private Owner/Operator; 6 = Other (Identified on page29).

[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. 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 31.

TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

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

Program Name	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
Annual Household Hazardous Waste Disposal	Osceola County	Private	d	Fa	All Listed	5	5	5
Isabella County Recycling								
Household Hazardous Waste Collection Program	Osceola County	Public	d	d	All Listed	3	3	3

[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 31); 5 = Private Owner/Operator; 6 = Other (Identified on page 31).

[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.

TABLE III-4

PROPOSED RECYCLING:

Program Name (if known)	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
No future proposed Recycling at this time.								

☐ 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 31); 5 = Private Owner/Operator; 6 = Other (Identified on page 31).

[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. 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 33.

TABLE III-5

PROPOSED COMPOSTING:

Program Name, (if known)	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
No future proposed Composting at this time.								

☐ 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 31); 5 = Private Owner/Operator; 6 = Other (Identified on page 31).

[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. 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 33.

TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Program Name, (if known)	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
No programs presently in Osceola County.								

☐ 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 31); 5 = Private Owner/Operator; 6 = Other (Identified on page 31).

[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.

.DENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

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

Environmental Groups:

There are no environmental groups in Osceola County actively involved with recovery or recycling programs.

Other:

City of Evart:	Contracts with private enterprise to provide curbside recycling service to city residents.
City of Reed City	Contracts with private enterprise to provide optional curbside recycling for residents within the city limits.
County Wide	Independent haulers are offering curbside Recycling throughout the county.
COMPOSTING:	Evart and Reed City both provide a compost area for residents to use. In addition, both cities pick up compostible materials curbside and deposit it at their compost facility.

SELECTED SYSTEM

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.

Collected Material:	Projected Annual Tons Diverted:			Collected Material:	Projected Annual Tons Diverted:		
	Current	5th Yr.	10th Yr.		Current	5th Yr.	10th Yr.
A. TOTAL PLASTICS:	1225	1425	1625	G. GRASS AND LEAVES:	None	____	
B. NEWSPAPER:	1200	1250	1300	H. TOTAL WOOD WASTE:	None	____	
C. CORRUGATED CONTAINERS:	1440	1600	1700	I. CONSTRUCTION AND DEMOLITION:	None	____	
D. TOTAL OTHER PAPER:	110	120	140	J. FOOD AND FOOD PROCESSING:	None	____	
E. TOTAL GLASS:	360	450	550	K. TIRES:	None	____	
F. OTHER MATERIALS:				L. TOTAL METALS:	None	____	
F1. Tin	19	20	21	F3. Silica	175	350	400
F2 Aluminum	6	8	10	F4 ____	____	____	

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

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

Collected Material:	In-State Markets	Out-of-State Markets	Collected Material	In-State Markets	Out-of-State Markets
A. TOTAL PLASTICS:	1225	None	G. GRASS AND LEAVES:	N/A	
B. NEWSPAPER:	1200	None	H. TOTAL WOOD WASTE:	N/A	
C. CORRUGATED CONTAINERS:	1440	None	I. CONSTRUCTION AND DEMOLITION:	N/A	
D. TOTAL OTHER PAPER:	110	None	J. FOOD AND FOOD PROCESSING	N/A	
E. TOTAL GLASS:	360	None	K. TIRES:	None	
F. OTHER MATERIALS:			L. TOTAL METALS:	N/A	
F1. Tin	19	None	F3. Silica	175	
F2. Aluminum	6	None	F4. None	N/A	

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.

Program Topic[1]	Delivery Medium[2]	Targeted Audience[3]	Program Provider[4]
1	N,O	P	EX
2	N,O	P	EX
3	N,E	P	OO
4	N,O	P	EX
5	N,O	P	EX
____	____	____	
____	____	____	
____	____	____	
____	____	____	

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

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

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

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

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

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

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

TABLE III-7

Management Components	Timeline
COLLECTION	ON-GOING
DISPOSAL	ON-GOING
EDUCATIONAL & INFORMATIONAL PROGRAMS	ON-GOING
PROPER STORAGE PRACTICES	ON-GOING
RECYCLING	ON-GOING
REGIONAL CONCEPT INSTITUTIONAL ARRANGEMENTS	ON-GOING
TRANSPORTATION	ON-GOING

ITING 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)

We have a documented 10 year capacity for type II and type III Solid Waste with present agreements for our County waste disposal.

SOLID WASTE MANAGEMENT COMPONENTS[1]

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.

Department of Environmental Quality (DEQ)
Various sections of the DEQ are charged by law with the regulation, enforcement and review of the conduct of the solid waste management systems in Osceola County and all other Michigan counties. The county will be dependent upon the appropriate offices of the DEQ to be informed of changes in the requirements for solid waste management from both federal and state levels. This information from the DEQ will include new solid waste legislation, regulatory rulings. changes in the handling of disposal of all types of solid waste, national or state public information programs, financial aid programs from the national or state level available to the county. and technical assistance from DEQ staff.

Enforcement
Any person believing violations of the Solid Waste Disposal Act or any other Enforceable Mechanism, as defined in said Act, pursuant to M.C.L.A. 324.101 et seq., as amended, particularly Parts 5, 17, 31, 55, 89, 91, 111, 115 and 121; 257.1 et seq.; 16.338 et seq.; that have been, are, or will be occurring shall report same to the MDEQ, the MDNR, a health officer, or any other law enforcement officer for appropriate action and relief according to the law.

Osceola County Board of Commissioners
The County Board is responsible for the overall supervision of the solid waste management system for the county. This responsibility includes the implementation of the 5 year and 10 year plans. It also includes financing, administration and operations of the county solid waste management system, as well as accountability to the public. The County Board shall designate a board responsible for implementing the Solid Waste Management Plan.

Osceola County Planning Commission
The Osceola County Planning Commission is responsible for the continued planning effort in the solid waste management field for the county. This planning should be done in coordination with other units of government actively involved in solid waste planning and implementation of plans. The Planning Commission is the "Central Informational Repository" of all solid waste planning information as it relates to Osceola County.

Solid Waste Management Planning Committee (SWMPC)
The Osceola County SWMPC is responsible for sending a recommended 5 year and 10 year Solid Waste Management Plan to the County Board for their approval, as is the purpose of this report. The SWMPC is also responsible to the County Board to assist in the approval process of the plan. Every five years, the SWMPC will update the 5 and 10 year management plans for the County Board. The SWMPC will begin work on the 5 year updates two years prior to the deadline for submission of the revised plan.

[1] Components or subcomponents may be added to this table.

Township and Village Governments

The local units of government in the county will continue to inform the **SWMPC** as to the effectiveness of the Solid Waste Management Plan and will, on a continuing basis, inform the County Board as to solid waste problems. The County Board will in turn keep the local units of government informed as to solid waste management activities so the townships and villages may keep the citizenry totally informed as to the solid waste management. The villages and townships will be called upon to provide labor and assistance in managing the recycling drop-off sites..

Private Enterprises

The private sector should manage those activities which it can and is willing to manage. This includes both collection and disposal. The private sector is encouraged to develop alternative solid waste management facilities and services.

Private Individuals

The public of Osceola County will need to support the solid waste management plans in order for them to be successful. This support will include source separation, willingness to accept new information on solid waste, and general support of any specific solid waste projects.

MSU Extension Service

The MSU Extension Service and the Osceola Lake Conservation District will develop the public education and promotional programs necessary for implementing various components of the plan, including recycling and composting programs. MSU Extension Service and Conservation District will assist in efforts to encourage local units of government, businesses, schools, etc. to participate in or expand resource recovery methods and programs. MSU Extension Service and Conservation District will also assist in developing and disseminating information and literature designed to inform the public on matters related to recycling, resource recovery, and conservation. Finally, MSU Extension Service and Conservation District will develop educational and promotional programs for the proper disposal of household hazardous wastes.

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 -

Product Reuse -

Reduced Material Volume - Osceola County Planning Commission, Solid Waste Management Planning Committee.

Increased Product Lifetime -

Decreased Consumption -

Resource Recovery Programs:

Composting - City of Evart, City of Reed City, Private Sources, Morgan Acres.

Recycling - Recycle of Osceola County Inc., City of Evart, City of Reed City, Village of Marion, Private Waste Haulers.

Energy Production -

Not Applicable.

Volume Reduction Techniques:

Collection Processes:

Private Waste Haulers

SELECTED SYSTEM

Transportation:

Private Waste Haulers.

Disposal Areas:

Processing Plants -

Incineration -

Transfer Stations -

Hersey Township
Richmond Township

Sanitary Landfills -

Ultimate Disposal Area Uses:

Local Responsibility for Plan Update Monitoring & Enforcement:

Osceola County Board of Commissioners, Osceola County Planning Commission, and Solid Waste Management Planning Committee.

Educational and Informational Programs:

Osceola County Planning Commission, MSU Extension Service and the Osceola/Lake Conservation District.

Documentation of acceptance of responsibilities is contained in Appendix D.

CAPACITY CERTIFICATIONS

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

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

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

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.

Osceola County's volume of material being reused and recycled has increased drastically over the past ten years. The recycling program began in 1988. The first month collection of recycled material amounted to about nine gaylord boxes. This was about 2,000 pounds of material. Presently the County recycling program collects about 50 tons of material each month. The recycling volume continues to grow each year.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

	VOLUME OF MATERIAL (TON)
RECYCLING.	
Plastic	1,225
Glass	360
News Print	1,200
Other Paper	600
Cardboard	1,440
Tin	180
Aluminum	6
COMPOSTING.	
Grass	20
Leaves	100
Sawdust	800
Animal Manure	7,500

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:

Equipment Selection

Existing Programs:

Recycling. There are three active drop off centers in the County: Village of LeRoy, Evart area and Reed City area. The cities of Evart and Reed City have the option of curbside pickup as well as some areas in the rural Osceola County. The licensed waste haulers operate the curbside program. The drop off centers in the Village of LeRoy, City of Evart and Reed City are operated by volunteers. Most of the recycled items collected at Evart are transported to Reed City where they are processed and sold. There are no major difficulties in the county program except in the low cost of the recycled material sold and the availability of an outlet for styrofoam and film plastic.

Composting. There are many backyard composting operations in the county. Most are composting the yard waste and unused garden products. There is a major composting operation on the Morgan Farms, east of Evart. They are composting animal manure, leaves, and grass clippings from the City of Evart and sawdust from local sawmills.

Proposed Programs:

Both the recycling program and the composting program will continue.

Site Availability & Selection

Existing Programs:

Composting. Private, backyard composting will continue. The cities of Reed City and Evart offer spring and fall pickup of leaves and other yard waste. The city of Evart takes the leaves and yard waste to Morgan Farms for composting. The City of Reed City takes their leaves and yard waste to city property where it is composted. The end product on the Morgan Farm is marketed. The end product in the Reed City property is used by the city and its residents.

Proposed Programs:

The County will continue to encourage the cities to keep this program going. Educational material will be available from MSU Extension Service and Osceola/Lake Conservation District. Composting bins are available from the Osceola/Lake Conservation District. There will be other farm composting operations started up in the future.

In addition, the city of Reed City offers twice a year clean up campaigns. Also some of the villages and townships offers cleanup programs. Items that can be recycled are separated and the rest of the refuse is landfilled.

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.

Existing Programs:

Program Name:	pH Range	Heat Range	Other Parameter	Measurement Unit
Morgan Farms	6.5-7.0	Up to 160° F		Sold in bags or by the truckload

Proposed Programs:

Program Name	pH Range	Heat Range	Other Parameter	Measurement Unit
Other farm composting will start up in the future.				

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, waster, 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.

1. The Osceola County Board of Commissioners will adopt regulations pertaining to solid waste management prior to a landfill being sited for location in the County. Regulations will be enforced by the Osceola County Sheriff's Department, the Central Michigan District Health Department, and all other law enforcement.

2. The Board of Commissioners will be responsible for negotiating the use of landfills which are located outside Osceola County.

3. The cities and townships retain full control over collection activities and are responsible for the financing and establishment of any collection centers, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local government may pass laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions.

4. Osceola County Solid Waste Management Planning Committee is responsible for the planning of standards and methods to be considered for the processing and disposal of solid waste. These standards will be reviewed and approved by the Osceola County Planning Commission and presented to the Osceola County Board of Commissioners for approval. Both of these appointed committees will assist local units of government in the planning of collection and transportation systems of solid waste and provide liaison with state and federal solid waste management agencies.

5. The Osceola County Planning Commission will be the coordinating agency for the solid waste education and public information process. Information obtained at seminars, workshops and training programs will be distributed by the Planning Commission to all local officials involved in the solid waste program. A continuous informational program will provide data, as it develops, to the public through news released to the mass communications media.

COORDINATION EFFORTS CONTINUED:

The Planning Commission will be responsible for the dissemination of informational and educational material that pertains to their unit of government.

Osceola County will coordinate its solid waste management plans with other ongoing projects in the region and within the county. This coordination will be done by the Osceola County Board of Commissioners, the Planning Commission, and any other entity as designated by the Board of Commissioners. This coordination and cooperation is particularly important in efforts by the county to deal with the DEQ and in efforts to obtain state and federal grants for solid waste projects. Ultimate authority for implementing the Solid Waste Management Plan, allocating funds, and authorizing solid waste agreements is the responsibility of the Osceola County Board of Commissioners.

Copies of letters from the various departments/agencies are included in the Appendix.

COSTS & FUNDING:

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

System Component[1]	Estimated Costs	Potential Funding Sources
Resource Conservation Efforts	None	Private enterprise
Resource Recovery Programs	None	None
Volume Reduction Techniques	None	Private enterprise
Collection Processes	None	Consumers, users of service
Transportation	None	Private enterprise
Disposal Areas	None	Private enterprise, other counties
Future Disposal Area Uses	None	Private enterprise
Management Arrangements	None	Osceola County Board of Commissioners
Educational & Informational Programs	None	Osceola County Board of Commissioners, MSU Extension and Osceola Lake Conservation District.

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

The selected system, for the most part, is the same system that has been in effect in Osceola County for several years. The public is comfortable with this system and the way it is operated. We feel the acceptance from the public will remain positive. The selected system is not anticipated to have a negative impact in the future on either public health, economics, environmental conditions, siting considerations, existing disposal areas or energy consumption and production. This has been proven during the past with the use of this system. It is technically and economically feasible for our residents to continue using this system, providing pick-up costs remain relatively constant.

The educational and informational responsibilities will remain the same as with past practices, a cooperative effort between the County and MSU Extension. Recycling will continue to be managed through contract with private enterprise. The collection of newsprint will continue to be operated by non-profit service groups having collection sites in Evart and Reed City. In the event the non-profit groups discontinue their collection, the County can and will assume this responsibility.

There is not, at the present time, a County ordinance to regulate waste hauling. Because of this, local law enforcement and health department officials have only their own regulations with which to cite individuals or agencies in cases where violations occur. Budgetary concerns at the present time prevent hiring a staff. It is these same budgetary concerns that prevent sponsoring a County household hazardous waste collection. This type of service will be available to County residents at a landfill included in our plan, but cannot be offered locally at the present time.

Composting is practiced throughout the County by individuals, and is a service offered by both cities on a limited scale. With proper education and information, composting can be a practical way to reduce the amount of yard waste going to landfills. The County endorses and encourages this practice and will continue, in cooperation with MSU Extension and the Osceola Lake Conservation District to offer educational information to the public on the most effective way to compost.

This summary details how we plan to relate to the Michigan Solid Waste Policy goals as we have done in the past and will continue to do in the future.

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. Addresses the needs of its residents and the rural nature of Osceola County.

2. Offers a recycling program.

3. Encourages composting and other resource recovery.

4. Offers more than one landfill for residents and commercial haulers to use.

5. Low costs to the County.

6. Is the system currently being used in the County.

7.

8.

DISADVANTAGES:

1. No administrative supervision because of a lack of county planning staff.

2. Lack of funds for adequate maintenance of program.

3. Household hazardous waste collection not sponsored by county.

4. Limited composting programs throughout the county.

5.

6.

7.

8.

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.

SYSTEM COMPONENTS:

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

ALTERNATIVE #2

RESOURCE CONSERVATION EFFORTS:
Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non-profit organization.). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services.

VOLUME REDUCTION TECHNIQUES:
Osceola County will continue to support the operation of a recycling center for use by the residents of the County. This center is located in Reed City and owned and maintained by Recycle of Osceola County Inc. (a non-profit organization.). In addition, the townships and cities that engage in recycling and composting programs will be encouraged to continue these services.

RESOURCE RECOVERY PROGRAMS:
Private enterprise will be encouraged to continue to explore the most cost effective methods of recycling, offering the most return on the recycled materials.

COLLECTION PROCESSES:
The recommended system of collection should incorporate resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships would retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by private enterprise.

TRANSPORTATION:
The prevention of littering during collection and hauling would be achieved by the enforcement of local ordinances and regulations regarding solid waste haulers. The Michigan Department of Transportation, and DEQ, requires proper maintenance and operation of vehicles used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill accepting Osceola County wastes.

DISPOSAL AREAS:
The present recommended method of disposal of solid waste from Osceola County is to transport it out of the county to an approved landfill. The primary landfills for Osceola County are Central

SYSTEM COMPONENTS:

EVALUATION SUMMARY CONTINUED:

Landfill in Montcalm County, Northern Oaks in Clare County and Glen's Landfill in Leelanau County.

INSTITUTIONAL ARRANGEMENTS:

Osceola County endorses the concept of an independent-jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Osceola County would provide educational and informational programs to the public which promote waste reduction and resource recovery.

CAPITAL,OPERATIONAL, AND MAINTENANCE COSTS:

A recycling center owned by the County and operated by private enterprise: $ 10-12 ,000/year. Collection costs for route collection: We were unable to obtain this information from private enterprise. Education provided by Osceola County, MSU Extension Service and Osceola Lake Conservation Service: $3-4000/year. Transfer stations owned and operated by Osceola County: Building size, amount and type of equipment are based on the volume of waste processed. Specific areas would be identified for locations of stations, with sites developed based on the size needed for building construction. Contracts would be let to private enterprise for operation. Household hazardous waste collection facility: Building size, amount of equipment and staff would be determined by the volume of waste handled.

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.

This alternative offers the same services as the selected alternative, plus it would provide for county owned and operated transfer stations. Household hazardous waste collection would be offered to residents at a facility built for that purpose and funded by the county. These are not economically viable options at this time.

SYSTEM COMPONENTS:

EVALUATION SUMMARY CONTINUED:

ALTERNATIVE #3

RESOURCE CONSERVATION EFFORTS:
Recycling programs will be run in conjunction with the operation of the landfill, with the recycling center being located in Reed City. Should Recycle of Osceola Inc. disband, the operation of the recycling center/program would be the responsibility of the owner of the landfill.

VOLUME REDUCTION TECHNIQUES:
Recycling programs will be run in conjunction with the operation of the landfill, with the recycling center being located in Reed City. Should Recycle of Osceola Inc. disband, the operation of the recycling center/program would be the responsibility of the owner of the landfill.

RESOURCE RECOVERY PROGRAMS:
Private enterprise will be encouraged to continue to explore the most cost effective methods of recycling, offering the most return on the recycled materials.

COLLECTION PROCESSES:
The recommended system of collection would incorporate resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might be needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by the County on county-owned property.

TRANSPORTATION:
The prevention of littering during collection and hauling would be achieved by the adoption of a solid waste regulation. This regulation should require proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill in Osceola County.

SYSTEM COMPONENTS:

EVALUATION SUMMARY CONTINUED:

DISPOSAL AREAS:

This alternative would provide for a landfill located in Osceola County, and either owned and operated by the County, or owned and operated by private enterprise. The site for a landfill must comply with current state regulations, provide adequate disposal capacity for Osceola County's solid waste for a period of 20 years, must comply with restrictions and requirements of local ordinances and land use plans, accessible by an existing all weather road, located only where an aquifer is protected by a natural clay barrier and within approximately ten miles of the center of population of Osceola County. The site shall be no less than 10 miles from the corporate limits of any village or city. Development of any landfill would be encouraged only on clay loam soils or soils which can be shown to have equivalent properties. No construction of a landfill shall take place within 2000 feet of any year-round stream nor within one mile of any lake. No construction will be permitted in any wetland. Construction shall not obstruct any natural runoff or drainage area.

INSTITUTIONAL ARRANGEMENTS:

Osceola County endorses the concept of an independent-jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Osceola County, in cooperation with private disposal facilities, will provide educational and informational programs which promote waste reduction and resource recovery to the public.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Recycling center at a landfill: $50,000 construction costs. Operating costs would be part of the landfill operating costs. Collection costs for route collection: We were unable to obtain this information from private enterprise. Education provided by Osceola County, MSU Extension Service and Osceola-Lake Conservation Service. $3 - 4000/year. Transfer stations established on county-owned property and operated by the County: Building size, amount and type of equipment are based on the volume of waste processed. Specific areas would be identified for locations of stations, with sites developed based on the size needed for building construction. Contracts would be let to private enterprise for operation. Construction of a landfill in Osceola County: $300,000/acre double lined. Equipment for operation: $1.1 million. Operating and personnel (four): $900,000-$1 million/year. (These estimates were obtained from private enterprise.)

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.

SYSTEM COMPONENTS:

EVALUATION SUMMARY CONTINUED:

Alternative #3 would provide for a landfill located in Osceola County, either owned and operated by the county or by private enterprise. Recycling programs would take place at the landfill and be part of the landfill operation. The landfill would also be the site of the annual household hazardous waste collection. Additionally, transfer stations would be provided by the county. A local ordinance would be adopted and enforced pertaining to the regulation of solid waste collection and disposal. There are no licensed landfills presently located in Osceola County nor are any anticipated in the immediate future. It is the opinion of the Solid Waste Management Planning Committee that public acceptance of a landfill located in Osceola County would be low. Alternative #3 was not selected for these reasons.

ALTERNATIVE #4

RESOURCE CONSERVATION EFFORTS:
Recycling programs will be run in conjunction with the operation of the landfill, with the recycling center being located in Reed City Should Recycle of Osceola Inc. disband, the operation of the recycling center/program would be the responsibility of the owner of the landfill.

VOLUME REDUCTION TECHNIQUES:
Recycling programs will be run in conjunction with the operation of the landfill, with the recycling center being located in Reed City. Should Recycle of Osceola Inc. disband, the operation of the recycling center/program would be the responsibility of the owner of the landfill.

RESOURCE RECOVERY PROGRAMS:
Private enterprise will be encouraged to continue to explore the most cost effective methods of recycling, offering the most return on the recycled materials.

COLLECTION PROCESSES:
The recommended system of collection would incorporate resident responsibility for the hauling and disposal of waste products and a voluntary house-to-house collection method by solid waste haulers operating within the county. The haulers should be required by regulation to pick up solid waste at each location at least once a week. The cities and townships should retain full control over collection activities and be responsible for the financing and establishment of any collection center, boxes, or transfer stations that are deemed necessary beyond what private enterprise is providing or willing to provide. Local governments pass regulations, laws or ordinances and enter into contract agreements that might he needed for the collection of solid waste in their jurisdictions. Transfer stations would be established and operated by the County on county-owned property.

SYSTEM COMPONENTS:

EVALUATION SUMMARY CONTINUED:

TRANSPORTATION:
The prevention of littering during collection and hauling would be achieved by the adoption of a solid waste regulation. This regulation should require proper maintenance and operation of the vehicle used by solid waste haulers for transportation of solid waste. Direct haul would take place to a landfill in Osceola County.

DISPOSAL AREAS:
This alternative would provide for a landfill with incinerator located in Osceola County, and either owned and operated by the County or owned and operated by private enterprise. The site for a landfill must comply with current state regulations, provide adequate disposal capacity for Osceola County's solid waste for a period of 20 years, must comply with restrictions and requirements of local ordinances and land use plans, accessible by an existing all weather road, located only where an aquifer is protected by a natural clay barrier and within approximately ten miles of the center of population of Osceola County. The site shall be no less than two miles from the corporate limits of any village or city. Development of any landfill would be encouraged only on clay loam soil or soils which can be shown to have equivalent properties. No construction of a landfill shall take place within 2000 feet from any year-round stream, nor within one mile of any lake. No construction will be permitted in any wetland. Construction shall not obstruct any natural runoff or drainage area. In addition, incineration services would be available at the landfill.

INSTITUTIONAL ARRANGEMENTS:
Osceola County endorses the concept of an independent-jurisdictional approach to the management of solid waste. Solid waste haulers operate independently within the County to provide services to residents.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:
Osceola County, in cooperation with private disposal facilities, will provide educational and informational programs which promote waste reduction and resource recovery to the public.

CAPITAL, OPERATIONAL AND MAINTENANCE COSTS:
Recycling center at a landfill: $50,000 construction costs. Operating costs would be part of the landfill operation. Collection costs for route collection: We were unable to obtain this information from private enterprise. Education provided by Osceola County in conjunction with private enterprise: $3 - 4,000/year. Transfer stations established on county-owned property and operated by the County: Building size, amount and type of equipment are based on the volume of waste processed. Specific areas would be identified for locations of stations, with sites developed based on the size needed for building construction. Contracts would be let to private enterprise for operation. Construction of a landfill in Osceola County: $300,000/acre double lined. Equipment for operation: $1.1 million. Operating and personnel(four): $900,000-1 million/year. (These estimates were obtained from private enterprise.) Construction of an incinerator at the landfill: We were unable to obtain this information from private enterprise.

SYSTEM COMPONENTS:

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.

This alternative is also contingent on a landfill with incinerator being located in Osceola County, with all educational, recycling, and household hazardous waste collection provided or managed by the landfill. This alternative also provides for the adoption of a local ordinance to regulate solid waste collection and disposal, and the provision of county-owned transfer stations. Educational programs would be entirely sponsored by the County, in cooperation with private disposal facilities. Incineration would also take place at the landfill.

There are no licensed landfills located in Osceola County at the present time, and none are anticipated in the immediate future. Additionally, budgetary concerns would prevent a county owned landfill at the present time.

It is also the consensus of the Solid Waste Planning Committee that a landfill with incineration capabilities located in Osceola County would not be readily accepted by the majority of the residents in the county.

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. Alternatives #3 and #4 provide for a landfill located in the county.

2. Better potential for resource recovery.

3. Lower transportation costs.

4. Possible revenue source for the county.

5. Expanded recycling program.

6. Preserving rural nature of county with local controls regarding littering, solid waste management.

7. More direct input and control over waste collection and disposal.

8.

DISADVANTAGES:

1. Public acceptability.

2. Economic feasibility.

3. Increase use of energy (incinerator).

4. Costs of construction and operation of transfer stations and landfills.

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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.

SOLID WASTE MANAGEMENT PLANNING COMMITTEE APPOINTED:

The Solid Waste Management Planning Committee was appointed by the County Board of Commissioners on several dates in 1997 and 1998. All of the meetings were public meetings and the public was allowed to comment at all meetings.

PREPARATION OF THE PLAN BY THE SWMPC:

The Solid Waste Management Planning Committee held a total of twelve public meetings from October 14, 1997 to September 8, 1998, to prepare the draft Plan. At each meeting time was allotted for Public Comment. Two other meetings were held one on November 10, 1998 and on December 8, 1998 to make corrections to the Plan.

PUBLIC REVIEW PERIOD AUTHORIZED BY THE SWMPC:

At a Public meeting held on September 8, 1998, and by a unanimous vote (10-0), the SWMPC authorized the 90 day public review period to begin on September 10, 1998. Again time was allotted for Public Comment.

PUBLIC REVIEW PERIOD (SEPTEMBER 10, 1998 TO DECEMBER 9, 1998:

A public hearing was held on October 13, 1998 during the regular monthly meeting of the Osceola County Board of Commissioners.

APPROVAL OF THE PLAN BY THE SWMPC

At a Public meeting held on December 8, 1998, and by a unanimous roll call vote (10-0), the SWMPC approved the Plan with the noted corrections at this meeting.

APPROVAL OF THE PLAN BY THE COUNTY BOARD

At it's regular scheduled meeting held on December 8, 1998, the County Board of Commissioners gave a tacit approval of the Solid Waste Plan, with the formal approval forthcoming at it's next scheduled meeting date.

At it's scheduled meeting held on December 15, 1998, the Osceola County Board of Commissioners and by a unanimous roll call vote (8-0) approved the Plan and qualified it's release to all other units of government for their consideration.

Osceola County Solid Waste Management Planning Committee

December 8, 1998

Motion for Approval of the Solid Waste Plan:

Motion by Hugo Tietz to approve the Osceola County Solid Waste Management Plan 1998 Update with corrections and additions made December 8, 1998. Motion was supported by Glen Hare. Roll call vote was taken:

Ivan Giese	Yes
Glen Hare	Yes
Gary Hettel	Yes
Richard Leszcz	Yes
Jim Maturen	Yes
Art Moyses	Yes
Paul Thibodeau	Yes
Dee Tietz	Yes
Hugo Tietz	Yes
Doug Trembath	Yes
Fay Wilson	Yes

OSCEOLA COUNTY
BOARD OF COMMISSIONERS
December 15, 1998 - SPECIAL MEETING

Vice Chairman, David Dickinson, called the special meeting of the Osceola County Board of Commissioners to order at 9:55 a.m. in the Courthouse in Reed City. He led board members in the Pledge of Allegiance with Commissioner Giese offering a prayer.

Roll Call: Present-Sikkema, Dickinson, Giese, Langworthy, Pattee, Morgan, Maturen and Emig. Absent-Denslow.

Motion by Sikkema, supported by Emig to approve the agenda. Motion carried.

MOTION #1: Accounts Payable
Motion by Pattee, supported by Giese to submit the accounts payable in the amount of $50,651.79 and recommend that the several amounts scheduled therein be allowed and that the Clerk of this Board be authorized to draw orders on the County Treasurer for the same. Motion carried with 8 yes votes, Denslow absent.

Paul Thibodeau was present to advise the Board concerning the change areas in the Solid Waste Plan.

RESOLUTION 98-0031
SOLID WASTE PLAN
OSCEOLA COUNTY

Whereas, the Osceola County Solid Waste Planning Committee has completed and approved the updated Solid Waste Plan for Osceola County,

Whereas, the Osceola County Board of Commissioners are required to approve the Solid Waste Plan,

Therefore Be It Resolved, that the Osceola County Board of Commissioners approves the Solid Waste Plan update.

Motion by Maturen, supported by Pattee to adopt. Motion carried with Commissioners Sikkema, Dickinson, Giese, Langworthy, Pattee, Morgan, Maturen and Emig voting in favor. Absent: Denslow.

Commissioner Emig updated the Board along with the assistance of Pete Ermatinger regarding the inmate health plan. Commissioner Emig offered the following:

MOTION #2: Inmate Health Plan
Motion by Emig, supported by Pattee to approve the Blue Cross and Blue Shield Inmate Health Plan Contract and authorize the Vice-Chairman to sign. Motion carried with 7 yes votes, Sikkema and Denslow absent.

APPROVAL OF THE PLAN BY THE DEQ

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 Plan Update was prepared by the Secretary of the Solid Waste Management Planning Committee, with assistance from the Designated Planning Agency, the Chairman of the Osceola County Planning Committee, and the Chairman of the Osceola County Solid Waste Management Planning Committee, and the General Public. At each public meeting time was allocated for Public Comments. A copy of each notice and agenda for each meeting involving the Plan Update is outlined below and attached.

Date	Type of Meeting
October 14, 1997	Organizational Meeting of the Solid Waste Management Planning Committee
November 4, 1997	Solid Waste Management Planning Committee
December 9, 1997	Solid Waste Management Planning Committee
January 13, 1998	Solid Waste Management Planning Committee
February 10, 1998	Solid Waste Management Planning Committee
March 10, 1998	Solid Waste Management Planning Committee
May 12, 1998	Solid Waste Management Planning Committee
June 9, 1998	Solid Waste Management Planning Committee
July 14, 1998	Solid Waste Management Planning Committee
August 11, 1998	Solid Waste Management Planning Committee
August 25, 1998	Solid Waste Management Planning Committee
September 8, 1998	Solid Waste Management Planning Committee

SEPT.

ON CORNER

BY MARLA ARMBRUST

1). Send in three Mr. Cluster candy ar wrappers. Store form required. Expires 9/30/96.

OSCEOLA COUNTY

will be making appointments to the following committees as needed through June 1997:

- Area Agency on Aging
- Planning Commission
- OEDC
- Parks Commission
- West Michigan Region 8
- Community Corrections Board
- Family Independence Agency Board
- 911 Authority Board
- Solid Waste Committee

If you are interested in serving on one or more of these committees, please send letter of interest to: Osceola County Clerk - 301 W. Upton - Reed City, MI 49677. Deadline October 1, 1996.

Solid Waste Planning Commission
Meeting
October 14, 1997
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

The following is a calendar of Learning/Nutrition meals for senior citizens in Osceola County for Dec. 1-31. Reservations must be made the day before the meals by calling the number listed at each meal site.

Shown on this calendar are each day's entree' and dessert. A vegetable and/or fruit, bread serving item and milk are also served daily.

EVART

For reservation, call (616) 734-3523.

Monday — macaroni and cheese with ham, apple, cauliflower, peanut butter cookies and milk. Bingo.

Tuesday — chicken and dumplings, beets, broccoli, banana and milk. Christmas Party.

Wednesday — BBQ meat on bun, scalloped potatoes, cabbage, pears and milk. Cards.

Thursday — fish parmesan, coleslaw, carrots, roll, applesauce and milk. Movie.

Note: There will be no meal service Dec. 22 - Jan. 4 for the Christmas Holiday. Call the number listed above if you would like frozen meals during this time we are closed.

REED CITY

For reservation, call (616) 832-5982

Monday — macaroni and cheese with ham, apple, cauliflower, peanut butter cookies and milk. Exercise.

Tuesday —chicken and dumplings, beets, broccoli, banana and milk. Christmas Party.

Wednesday — BBQ meat on bun, scalloped potatoes, cabbage, pears and milk. Crafts.

Thursday — fish parmesan, coleslaw, carrots, roll, applesauce and milk. Music.

Note: There will be no meal service Dec. 22 - Jan. 4 for the Christmas Holiday. Call the number listed above if you would like frozen meals during this time we are closed.

MARION

For reservation, call (616) 743-6446.

Monday — beef tips, pota green beans, bread, fruit cu milk. Cards.

Tuesday — Turkey /bro casserole, carrots, roll, fresh and milk. Bingo.

Wednesday — baked chi sweet potatoes, cauliflower, b fresh fruit and milk. Cards.

Thursday — No meal ser Christmas lunch on site at Ke Center.

Note: There will be no service Dec. 22 - Jan. 4 fo Christmas Holiday. Call the nu listed above if you would frozen meals during this tim are closed.

PINE RIVER (TUSTIN

For reservations, call 768-44

Monday — beef tips, pota green beans, bread, fruit cu milk. Pedro.

Tuesday — Turkey and br casserole, carrots, roll, fresh and milk. Nutrition fun.

Wednesday — baked chic sweet potatoes, cauliflower, b fresh fruit and milk. Euchre.

Calendar

Retirement open house scheduled

MCBAIN — The Board of Education and staff of McBain Rural Agricultural School invites you to a retirement open house for Bernard Meyering 3:30 - 5:30 p.m. Friday in the multi-purpose room, McBain Rural Agricultural School.

Mr. Meyering is retiring after 43 years of service.

Osceola County Sheriff Departmer

Jail Cook: Part-time position (16 hours pe pay period) working every other weekend. Individual should have experience cooking f large groups of 40-50 people. High school graduation or its equivalent and six months experience preferred. Position pays $6.30 p hour. Interested applicants should send a resume no later than **Wednesday, Decemb 23, 1997 at 4:00 p.m.** to Sheriff Thomas Dettloff, 325 West Upton, Reed City, Michiga 49677. EOE

OSCEOLA COUNTY

The Osceola County Board of Commissioners, at various times durin the year, need to appoint individuals to serve on the following committees:

- Solid Waste Planning
- Planning Commission
- Parks
- Mid-Michigan Community Alliance
- Housing Committee
- Economic Development
- Community Corrections Boar

If you are interested in serving on any of the above committees, pleas send a resume along with your committee preference to: Osceola Cou Clerk, 301 W. Upton, P.O. Box 208, Reed City, MI 49677. Deadline fo applications is January 5, 1998.

Free at the following businesses, Fuel Family Center, Snack Shack, Falmouth Service Center, Falmouth Co-op, Merritt Feed and Seed and Vogel Center General Store.

New to the festival this year will be a craft and toy show. Applications for this event and more information on the pumpkin caper and the festival can be obtained by calling Jeanne at 826-3607 or contact the Falmouth Chamber of Commerce. The cows will be there again this year. Don't forget to get your tickets for the Cow Flop, these will be available two weeks before the event.•

y,
utiful

his house in Vienna, composing almost continuously, receiving honors and popularity, touring and doing what he dearly loved, playing the piano and conducting his works. Johannes Brahms made his last public appearance in March 1897.•

You & Your Local Pharmacist

Your Prescription to Good Health

Now is an opportune time to start taking advantage of the many services that your pharmacist provides.

Your local pharmacist can help:

- Advise you on the side effects of your medication
- Answer your questions about generic drugs.
- Explain how to take your prescription or over-the-counter medicine for maximum benefit.
- Recommend nonprescription medications and treatments.
- Help you avoid allergic reactions to medications.
- Monitor drug interactions.
- Mix or prepare special medications.
- Maintain a record or profile of your prescriptions.
- Help you understand your Rx insurance.

Your local pharmacist . . . highly trained, knowledgeable and ready to help you! Don't just take it, talk about it!

Provided as a public service of the Michigan Pharmacists Association and your local pharmacist.

HOLIHAN DRUG STORE

128 N. Main 734-2551 Evart

OSCEOLA COUNTY

The Osceola County Board of Commissioners, at various times during the year, need to appoint individuals to serve on the following committees:

Solid Waste Planning
Planning Commission
Parks
Mid-Michigan Community Alliance
Housing Committee
Osceola County Economic Development
Community Corrections Board

If you are interested in serving on any of the above committees, please send a resume along with the committee preference to: Osceola County Clerk, 301 W. Upton, P.O. Box 208, Reed City, MI 49677. Deadline for applications is June 15, 1998.

Osceola County
Solid Waste Management Planning Committee
Meeting
November 4, 1997
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
December 9, 1997
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, January 13, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, February 10, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, March 10, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, May 12, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, June 9, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, July 14, 1998
7:00 P.M.
Basement of Sheriff's Department
325 W. Upton Ave.
Reed City, MI

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, August 11, 1998
7:00 P.M.
Basement of Sheriff's Department
325 W. Upton Ave.
Reed City, MI

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, August 25, 1998
7:00 P.M.
Richmond Township Hall
4575 Park Street
Reed City, MI

Osceola County
Solid Waste Management Planning Committee
Meeting
Tuesday, September 8, 1998
7:00 P.M.
Commissioner's Room
Osceola County Courthouse

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

11/10/98
7:00 PM to 8:27 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 09-08-98	Committee
7:06-8:06 PM	Review of Plan and Make Necessary Corrections	Committee
8:06-8:16 PM	Any Further Comments	Committee
8:16-8:26 PM	Public Comments	Chairman
8:26-8:27 PM	Adjourn	

THIS FORM USED FOR POSTING OF PUBLIC MEETING BY:

BEING POSTED ON FRONT DOOR OF COURT HOUSE

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

12-08-98
7:00 PM to 8:47 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 11-10-98	Committee
7:06-7:36 PM	Comments from DEQ (If Available)	James Johnson of DEQ
7:36-8:36 PM	Review of Plan and Make Necessary Corrections	Committee
8:36-8:46 PM	Public Comments	Chairman
8:46-8:47 PM	Adjourn	

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Agenda

Osceola County Solid Waste Management Planning Committee

November 4, 1997
7:00 PM to 9:05 PM
Commissioners Room County Court House

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:03 PM	Call To Order and Pledge	Chairman
7:03-7:05 PM	Roll Call	Secretary
7:05-7:10 PM	Approve Minutes of 10-14-97	committee
7:10-7:55 PM	Review and comments reference material recieved from MDEQ	Chairman
7:55-8:40 PM	Review of Act 153	Hugo Tietz
8:40-8:50 PM	Assignment of Committees	Chairman
8:50-8:55 PM	Any further comments	Committee
8:55-9:05 PM	Public comments	Chairman
9:05- PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

December 9, 1997
7:00 PM to 8:31 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:03 PM	Call Meeting to Order and Pledge	Chairman
7:03-7:05 PM	Roll Call	Secretary
7:05-7:10 PM	Approve Minutes of 11-4-97	Committee
7:10-7:30 PM	Review Part 115 - Solid Waste Mgt.	Hugo Tietz
7:30-8:15 PM	Share Information Gathered	Committee
8:15-8:20 PM	Any Further Comments	Committee
8:20-8:30 PM	Public Comments	Chairman
8:30-8:31 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

01/13/98
7:00 PM to 9:06 PM
Commissioners Room County Court House

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 12-09-97	Committee
7:06-7:21 PM	Review of Any Reference Material	Chairman
7:21-7:36 PM	Committee Action on Goals & Objectives	Committee
7:36-8:36 PM	Pending Committee Reports	Committee
8:36-8:46 PM	Any Further Comments	Committee
8:46-8:56 PM	Public Comments	Chairman
8:56-9:06 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

02/10/98
7:00 PM to 9:32 PM
Commissioners Room County Court House

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary,	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:03 PM	Introduction of New Members	Chairman
7:03-7:05 PM	Roll Call	Secretary
7:05-7:07 PM	Approve Minutes of 12-09-97 & Work Session of 01-13-98	Committee
7:07-7:12 PM	Report on Pending Legislation	Commissioner Maturen
7:12-7:27 PM	Review of Any Reference Material	Chairman
7:27-7:42 PM	Committee Action on Goals & Objectives	Committee
7:42-8:42 PM	Pending Committee Reports	Committee
8:42-9:02 PM	Committee Review of Necessary Information for Submitted Reports.	committee
9:02-9:12 PM	Any Further Comments	Committee
9:12-9:22 PM	Public Comments	Chairman
9:22-9:32 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

03/10/98
7:00 PM to 9:02 PM
Commissioners Room County Court House

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 02-10-98	Committee
7:06-7:21 PM	Review of Any Reference Material, if Needed.	Chairman
7:21-8:21 PM	Pending Committee Reports	Committee
8:21-8:41 PM	Committee Review of Any Necessary Information for Submitted Reports.	Committee
8:41-8:51 PM	Any Further Comments	Committee
8:51-9:01 PM	Public Comments	Chairman
9:01-9:02 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

CANCELED

04/14/98
7:00 PM to 9:12 PM
Commissioners Room County Court House

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

MEETING

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 02-10-98	Committee
7:06-7:16 PM	Review of comments at work session on 3-10-98.	
7:16-7:31 PM	Review of Any Reference Material, if Needed.	Chairman
7:31-8:31 PM	Pending Committee Reports	Committee
8:31-8:51 PM	Committee Review of Any Necessary Information for Submitted Reports.	Committee
8:51-9:01 PM	Any Further Comments	Committee
9:01-9:11 PM	Public Comments	Chairman
9:11-9:12 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

05/12/98
7:00 PM to 9:12 PM
Commissioners Room County Court House

Meeting called by:	**Chairman Paul Thibodeau**
Type of meeting:	**County Solid Waste Committee**
Note taker: Secretary	**Barbara Mund**

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 02-10-98	Committee
7:06-7:16 PM	Review of comments at work session on 3-10-98.	
7:16-7:31 PM	Review of Any Reference Material, if Needed.	Chairman
7:31-8:31 PM	Pending Committee Reports	Committee
8:31-8:51 PM	Committee Review of Any Necessary Information for Submitted Reports.	Committee
8:51-9:01 PM	Any Further Comments	Committee
9:01-9:11 PM	Public Comments	Chairman
9:11-9:12 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

06/09/98
7:00 PM to 9:22 PM
Commissioners Room County Court House

Meeting called by:	**Chairman Paul Thibodeau**
Type of meeting:	**CountySolid Waste Committee**
Note taker: Secretary	**Barbara Mund**

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 02-10-98	Committee
7:06-7:16 PM	Review of comments of work session on 3-10-98.	Committee
7:16-7:26 PM	Review of comments of work session on 5-12-98	Committee
7:26-7:41 PM	Review of Any Reference Material, if Needed.	Chairman
7:41-8:41 PM	Pending Committee Reports	Committee
8:41-9:01 PM	Committee Review of Any Necessary Information for Submitted Reports.	Committee
9:01-9:11 PM	Any Further Comments	Committee
9:11-9:21 PM	Public Comments	Chairman
9:21-9:22 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

07/14/98
7:00 PM to 9:12 PM
BASEMENT OF THE COUNTY SHERIFF'S OFFICE (NEXT TO THE COURT HOUSE)

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 06-9-98	Committee
7:06-7:16 PM	Submittal of inter-county agreements	Chairman
7:16-7:31 PM	Review of Any Reference Material, if Needed.	Chairman
7:31-8:31 PM	Pending Committee Reports	Committee
8:31-8:51 PM	Committee Review of Any Necessary Information for Submitted Reports.	Committee
8:51-9:01 PM	Any Further Comments	Committee
9:01-9:11 PM	Public Comments	Chairman
9:11-9:12 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

08/11/98
7:00 PM to 8:44 PM
BASEMENT OF THE COUNTY SHERIFF'S OFFICE (NEXT TO THE COURT HOUSE)

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 07-14-98	Committee
7:06-7:08 PM	Report on inter-county agreements	Chairman
7:08-7:13 PM	Pending Committee Reports	Committee
7:13-8:13 PM	Review of Plan and approval	Committee
8:13-8:18 PM	Review of Any Reference Material, if Needed	Chairman
8:18-8:23 PM	Committee Review of Any Necessary Information for Submitted Reports	Committee
8:23-8:33 PM	Any Further Comments	Committee
8:33-8:43 PM	Public Comments	Chairman
8:43-8:44 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

08/25/98
7:00 PM to 8:57 PM
RICHMOND TOWNSHIP HALL 4575 PARK STREET (NORTH OF COUNTY COURT HOUSE)

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 08-11-98	Committee
7:06-8:36 PM	Review of Plan and approval	Committee
8:36-8:46 PM	Any Further Comments	Committee
8:46-8:56 PM	Public Comments	Chairman
8:56-8:57 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

09/8/98
7:00 PM to 8:27 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 08-25-98	Committee
7:06-8:06 PM	Review of Plan and approval	Committee
8:06-8:16 PM	Any Further Comments	Committee
8:16-8:26 PM	Public Comments	Chairman
8:26-8:27 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

11/10/98
7:00 PM to 8:27 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 09-08-98	Committee
7:06-8:06 PM	Review of Plan and Make Necessary Corrections	Committee
8:06-8:16 PM	Any Further Comments	Committee
8:16-8:26 PM	Public Comments	Chairman
8:26-8:27 PM	Adjourn	

Agenda

OSCEOLA COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

12-08-98
7:00 PM to 8:47 PM
COMMISSIONERS ROOM COUNTY COURT HOUSE

Meeting called by:	Chairman Paul Thibodeau
Type of meeting:	County Solid Waste Committee
Note taker: Secretary	Barbara Mund

Agenda topics

7:00-7:02 PM	Call Meeting to Order and Pledge	Chairman
7:02-7:04 PM	Roll Call	Secretary
7:04-7:06 PM	Approve Minutes of 11-10-98	Committee
7:06-7:36 PM	Comments from DEQ (If Available)	James Johnson of DEQ
7:36-8:36 PM	Review of Plan and Make Necessary Corrections	Committee
8:36-8:46 PM	Public Comments	Chairman
8:46-8:47 PM	Adjourn	

OSCEOLA COUNTY
NOTICE TO THE PUBLIC

Pursuant to Section 11535(d) of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, copies of the draft of the Plan Update of the Osceola County Solid Waste Management Plan were sent to the Clerks of all municipalities in Osceola County. All have been requested to make this document accessible to any interested citizens for their review.

As mandated by Act 451, a public review period has been established for examination of the draft of the Plan Update. The Solid Waste Management Planning Committee (SWMPC) has authorized the review period to begin on September 10, 1998 and end on December 9, 1998.

Verbal input regarding the draft of the Plan Update will be heard at a public hearing held during the regular monthly meeting of the County Board of Commissioners on **Tuesday, October 13, 1998 at 9:15 am. in the Commissioners Room** of the county courthouse in Reed City.

Written comments regarding the draft should be sent to:

Osceola County
Solid Waste Management Planning Committee
C/O Osceola County Clerk
301 West Upton Ave.
Reed City, MI 49677

All comments will be considered by the SWMPC prior to the scheduled public hearing on the Plan Update to the Osceola County Solid Waste Management Plan.

Copies of the draft of the Plan Update and all comments received to date are also available for inspection and/or purchase, at cost, at the Osceola County Clerks office at the Osceola County courthouse. With questions call the Chairman of the Osceola County Solid Waste Management Planning Committee, at (616) 832-2572.

Printed in the **Cadillac Evening News** *Thursday September 10, 1998*
Printed in the **Northern Michigan News** *Monday September 14, 1998.*

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

A notice was published in the local newspaper two consecutive weeks advertising vacancies on the Solid Waste Committee for representatives of all positions. There were no replies to the published notice.

SOLID WASTE MANAGEMENT PLANNING COMMITTEE APPOINTED:

It was then determined that the prior Solid Waste Committee would be contacted for re-appointment to the Committee. The appointments of six members were made by the County Board of Commissioners on November 12, 1997 by a unanimous vote, 9-0. The public was allowed to comment at this meeting.

Other appointments were as follows:

July 8, 1997	Five appointments made. By a unanimous vote, 9-0.
October 30, 1997	One appointment made. By a unanimous vote, 9-0.
January 13, 1998	Two appointments made. By a unanimous vote, 9-0.
January 29, 1998	Two appointments made. (both replacements, one due to death, other resignation.) By a unanimous vote, 9-0.
July 30, 1998	One appointment made. (replacement due to resignation) By a unanimous vote, 9-0.
September 8, 1998	One appointment made. (replacement due to resignation) By a unanimous vote, 9-0.
September 8, 1998	Amended Motion on January 13, 1998 to include a third appointment. By a unanimous vote, 9-0.

All of the above appointment were made at public meetings and the public was allowed to comment at all meetings.

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. Geoff Older, Waste Management
2. Kam L. Ensing, Kam's Sanitation
3. Suzanne Strauss, United Waste
4. Noreen Pratscher, Waste Management

One representative from an industrial waste generator:

1. Maggie Waldon, Evart Products and Industry

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

1. Paul E. Thibodeau, Michigan Wild Turkey Hunters Association
2. Glen Hare, Michigan Wild Turkey Hunters Association

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

1. James Maturen, County Commissioner

One representative from township government:

1. Art Moyses, LeRoy

One representative from city government:

1. Doug Trembath, Evart City employee a designee of the Mayor of Evart

One representative from the regional solid waste planning agency:

1. Ivan Giese, representing Region 8

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

1. Dee L. Tietz, resident of Osceola Township, Public at Large
2. Mike Freer, resident of City of Evart, Public at Large
3. Eldon Crawford, resident of Middle Branch Township, Public at Large

PLANNING COMMITTEE

The following Committee members names and the company, group, or governmental entity represented from throughout the County, who replaced the original appointed member are listed below.

Four representatives of the solid waste management industry:

1. Richard Leszcz, of Waste Management replaced Geoff Older, of Waste Management, who retired.
2. Gary Hettel Richmond Township Treasurer, replaced Kam L. Ensing, of Kam's Sanitation who sold his business and moved out of the area.
3. Teresa Ziegler, of Waste Management replaced Noreen Pratscher of Waste Management who left their employment.

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

1. Fay Wilson of Reed City replaced Eldon Crawford who passed away

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 utilize existing recycling and solid waste facilities. The recycling locations and operating hours will remain as presently established. The recycling program being operated by Recycle of Osceola County Inc., and the curbside collection in the City of Evart, will continue. The household hazardous waste disposal, afforded all residents at the landfill site will continue. The Planning Commission will oversee the recommended educational programs and serve as the informational repository for all resources except for agricultural waste disposal, which will be the responsibility of the MSU Extension Service and the Osceola Lake Soil Conservation District. The Planning Commission will oversee the review and implementation of this Plan.

Osceola-Lake
Conservation District
4361 220th Avenue
Reed City, Michigan 49677
616-832-5138

December 11, 1998

To Whom It May Concern:

The Osceola-Lake Conservation District has been and continues to be active in promoting composting and recycling practices within our district. We will continue to promote these practices in the future.

Sincerely,

Edward J Rivard

Ed Rivard
District Conservationist

MICHIGAN STATE
UNIVERSITY
EXTENSION

December 10, 1998

To Whom It May Concern:

The Michigan State University Extension Office in Osceola County has been active in promoting the concepts and practices of resource recovery including recycling and composting in past years and will continue to do so in the future as opportunities arise.

Sincerely,

Gerald L. Lindquist
County Extension Director

OSCEOLA COUNTY
MSU EXTENSION
P.O. Box 208
Reed City, MI
49677-0208
616/832-6139

Agriculture and Natural Resources
Children, Youth and Families / 4-H
Community and
Economic Development
Family Nutrition Program

Michigan State University Extension pr[illegible]s and materials are open to all [illegible]egard to race, color national [illegible] sex, handicap, age or religion.
Michigan State University,
U.S. Department of Agriculture
and counties cooperating.
MSU is an affirmative-action equal opportunity institution.

Resolutions

The following are resolutions from County Board of Commissioners approving municipality's request to be included in an adjacent County's Plan.

MAY 28, 1998
Motion made and supported to accept the reciprocal solid waste agreement with Missaukee County and authorize the chairman to sign said agreement. Motion carried with 8 yes votes, 1 member absent.

JULY 30, 1998
Motion made and supported to authorize the Chairman to sign reciprocal solid waste agreements with the following counties: Clare, Grand Traverse, Ionia, Isabella, Lake, Leelanau, Manistee, Mason, Mecosta, Newaygo, Oceana, Shiawassee and Wexford. Motion carried with 8 yes votes, 1 member absent.

Karen J. Bluhm

OSCEOLA COUNTY CLERK

301 West Upton Avenue • Reed City, Michigan 49677

TEL: (616) 832-6102 • FAX: (616) 832-6149

Osceola County Board of Commissioners
November 12, 1996

MOTION #4: Solid Waste Committee-Appointments

Motion by Sikkema, supported by Langworthy to appoint the following to the Solid Waste Committee.

Kam Ensing-Solid Waste Industry	D. L. Tietz-General Public
Paul Thibodeau-Environmental	Geoff Older-Solid Waste Industry
Art Moyses-Township Govt.	Jim Maturen-County Government

Term of appointment begins January 1, 1997 - December 31, 1998. Motion carried with unanimous voice vote.

A Certified Copy of the Original on file in the Clerk's Office. Witness my hand and the Official Seal this 10th day of September 19 98.

Karen J. Bluhm, Circuit Court Clerk, Osceola County, Michigan

By _____ Deputy Clerk

Karen J. Bluhm

OSCEOLA COUNTY CLERK

301 West Upton Avenue • Reed City, Michigan 49677

TEL: (616) 832-6102 • FAX: (616) 832-6149

Osceola County Board of Commissioners
July 30, 1998

MOTION #2: Solid Waste Reciprocal Agreements

Motion by Maturen, supported by Giese to authorize the Chairman to sign reciprocal solid waste agreements with the following counties: Leelanaw, Clare, Grand Traverse, Ionia, Isabella, Lake, Manistee, Mason, Mecosta, Newaygo, Oceana, Shiawassee and Wexford. Motion carried with 8 yes votes, Sikkema absent.

Osceola County Board of Commissioners
May 28, 1998

MOTION #2: Reciprocal solid waste agreement with Missaukee County

Motion by Maturen, supported by Dickinson to accept the reciprocal solid waste agreement with Missaukee as presented and authorize the chairman to sign said agreement. Motion carried with 8 yes votes, Sikkema absent.

A certified Copy of the Original on file in the Clerk's Office. Witness my hand and the official Seal this [illegible] day of [illegible]

Karen J. [illegible]
Osceola County, Mich.
Clerk, Circuit Court
By [illegible] Deputy

Karen J. Bluhm

OSCEOLA COUNTY CLERK

301 West Upton Avenue • Reed City, Michigan 49677

TEL: (616) 832-6102 • FAX: (616) 832-6149

A certified Copy of the Original on file in the Clerk's Office. Witness my hand and the official Seal this 31st day of August, 1998

Karen J. Bluhm
Osceola County, Mich
Clerk, Circuit Court
By _____ Deputy

Osceola County Board of Commissioners
June 25, 1998

RESOLUTION 98-0021
Solid Waste Reciprocal Agreement

Whereas, Osceola County and Montcalm County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended, and

Whereas, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from before wastes can be transported between counties.

Therefore, Be It Resolved, that Osceola County will agree to accept solid waste from Montcalm County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

Be It Further Resolved, that Montcalm County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

Be It Further Resolved, that this agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

Be It Further Resolved, that both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

Moved by Maturen, supported by Pattee to adopt. Motion carried with 8 yes votes, Dickinson absent

Karen J. Bluhm

OSCEOLA COUNTY CLERK

301 West Upton Avenue • Reed City, Michigan 49677

TEL: (616) 832-6102 • FAX: (616) 832-6149

Osceola County Board of Commissioners
July 30, 1998

MOTION #9: Solid Waste Committee member appointment
Motion by Giese, supported by Maturen to appoint Gary Hettel to the Solid Waste committee. Motion carried with unanimous voice vote.

Osceola County Board of Commissioners
January 29, 1998

MOTION #7: Appointments to Solid Waste Committee
Motion by Maturen, supported by Giese to appoint Fay Wilson as a member of the general public and Richard Lesczz representing Solid Waste Industry to the Solid Waste Committee. Motion carried with unanimous voice vote

Osceola County Board of Commissioners
January 13, 1998

MOTION #8: Appointments to Solid Waste Committee
Motion by Maturen, supported by Sikkema to appoint Ivan Giese and Bruce Robinson to the Solid Waste Committee for two (2) year terms - Jan. 1, 1998 through Dec. 31, 1999. Motion carried with unanimous voice vote.

Osceola County Board of Commissioners
October 30, 1997

MOTION #6: Appointment to Solid Waste Planning Committee
Motion by Giese, supported by Emig to appoint Noreen Pratscher to the Solid Waste Planning Committee as a member of the Solid Waste Industry. Motion carried with unanimous voice vote.

Osceola County Board of Commissioners
July 8, 1997

MOTION #3: Solid Waste Committee Appointments

Motion by Maturen, supported by Sikkema to approve the following people to the Solid Waste Committee:

Doug Trembath representing City Government
Mike Freer - General Public
Maggie Waldon - Industry
Elden Crawford - General Public
Glen Hare - Environment

Motion carried with a unanimous voice vote.

A certified Copy of the Original on file in the Clerk's Office. Witness my hand and the official Seal this 31st day of August, 1997

Karen J. Bluhm
Osceola County, Mich
Clerk, Circuit Court

By _____ Deputy

Listed Capacity

Documentation from landfills that the County has access to their listed capacity.

Central
Sanitary Landfill

December 22, 1998

Mr. Paul Thibodeau
Osceola County Solid Waste
Planning Committee Chairman

Mr. Thibodeau:

This Agreement made and entered as of December 22, 1998 between the County of Osceola and Central Landfill, 21545 Cannonsville Rd., Pierson, MI 49339.

Whereas, Central Landfill will provide necessary airspace for the disposal of Osceola County Solid Waste materials under the five year and ten year update of Act 451.

Sincerely,

Central Landfill

Mark Creswell
General Manager

21545 W. Cannonsville Rd. ◆ Pierson, MI 49339 ◆ (616) 636-8841 ◆ (616) 636-5271 FAX

NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY
A WASTE MANAGEMENT COMPANY

P.O. Box 813
513 N. County Farm Road
Harrison, Michigan 48625
(517) 539-6111

December 11, 1998

Mr. Paul Thibodeau
Osceola County Solid Waste
Planning Committee Chairman

Mr. Thibodeau:

This Agreement made and entered as of December 11, 1998 between the County of Osceola and Northern Oaks Recycling and Disposal Facility.

Whereas, Northern Oaks Recycling and Disposal Facility will provide necessary airspace for the disposal of Osceola County Solid Waste materials under the five year and ten year update of Act 451.

Sincerely,

Northern Oaks Recycling and Disposal Facility

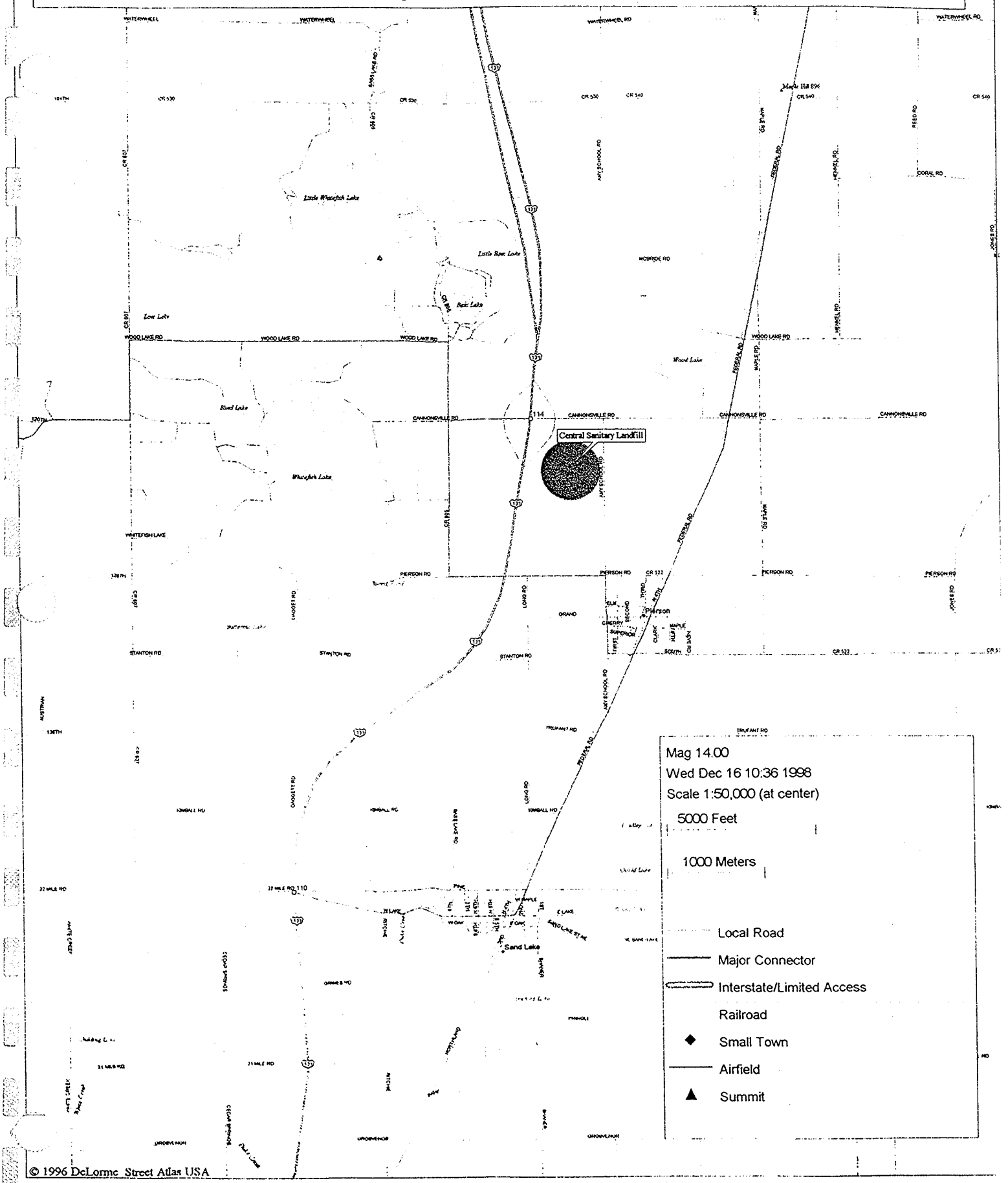
Richard Leszcz
Division Manager

RL/mtg

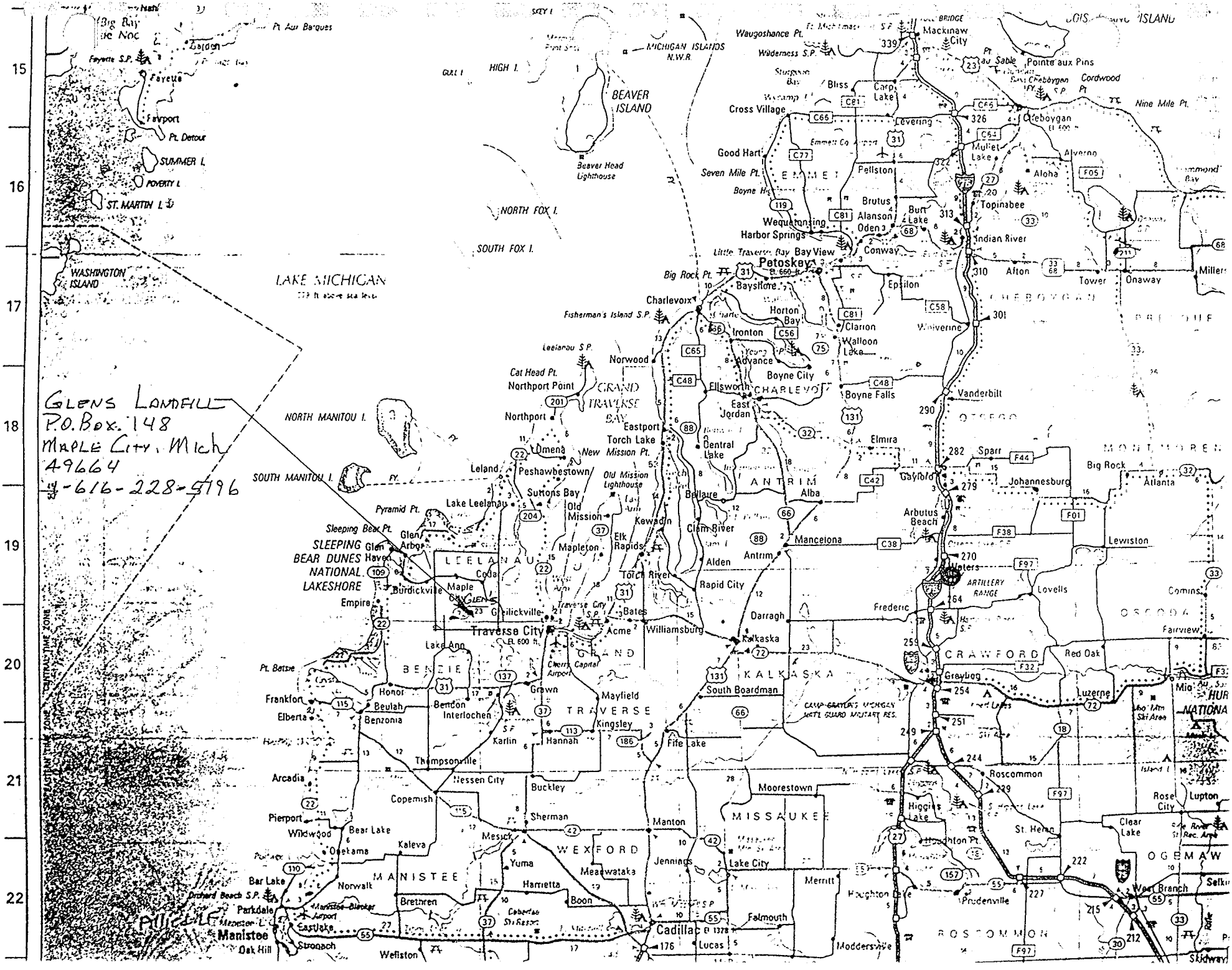
Maps

Maps showing locations of solid waste disposal facilities used by the County.

Central Sanitary Landfill Location Map

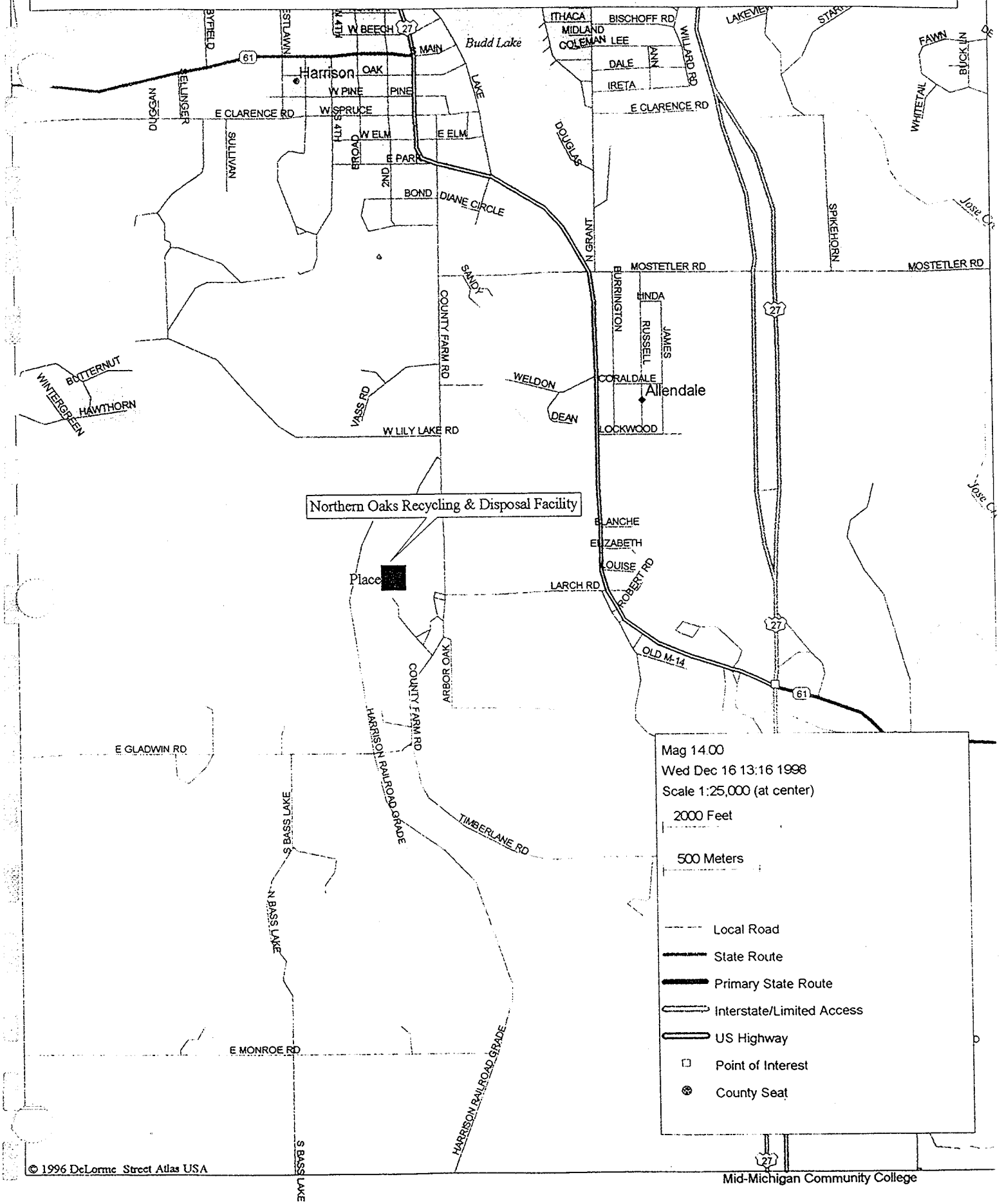


© 1996 DeLorme Street Atlas USA



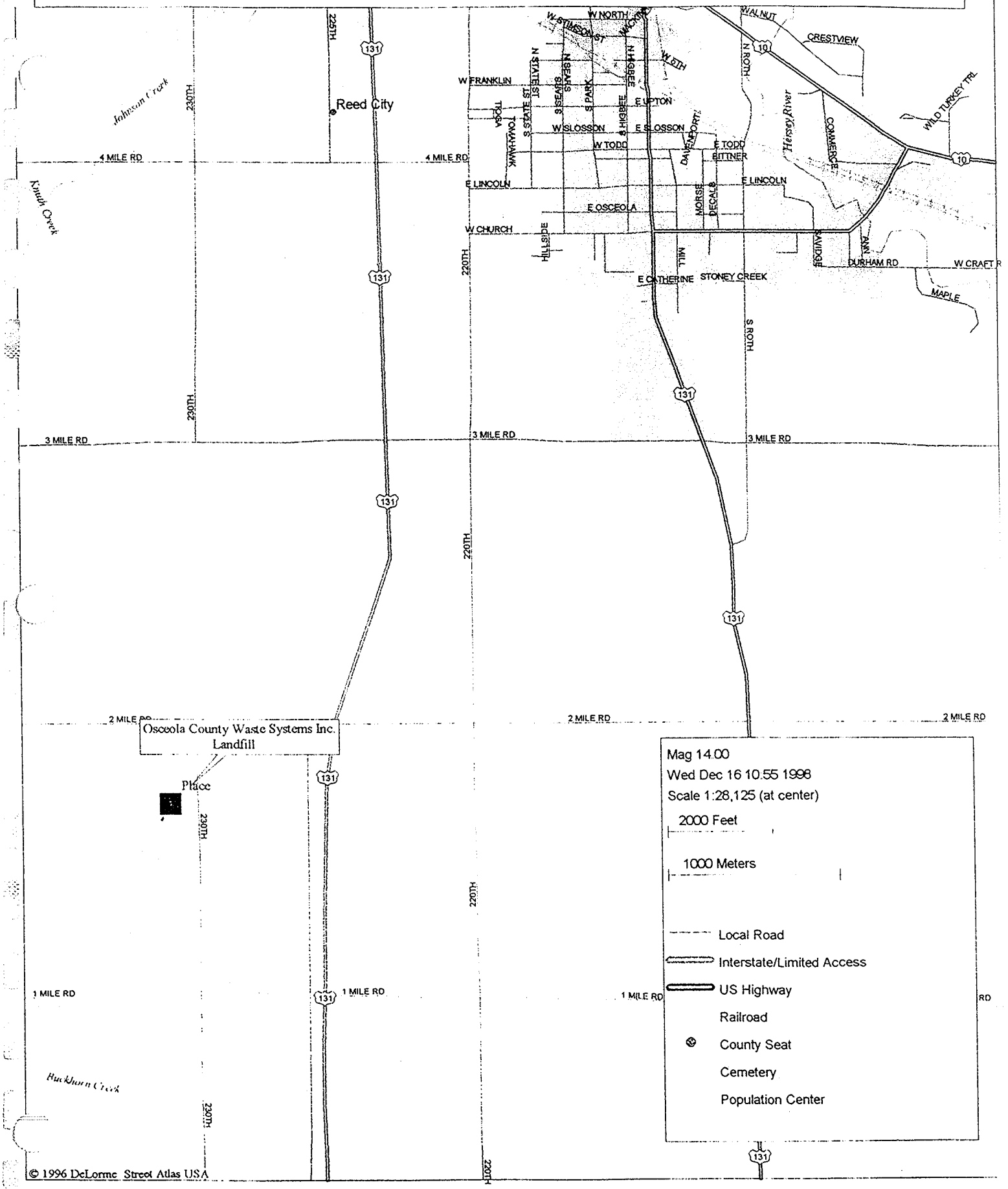
GLENS LANDFILL
P.O. Box 148
MAPLE CITY, MICH
49664
231-616-228-5196

Northern Oaks Landfill Location Map



Mid-Michigan Community College

Osceola Co. Waste Systems Landfill



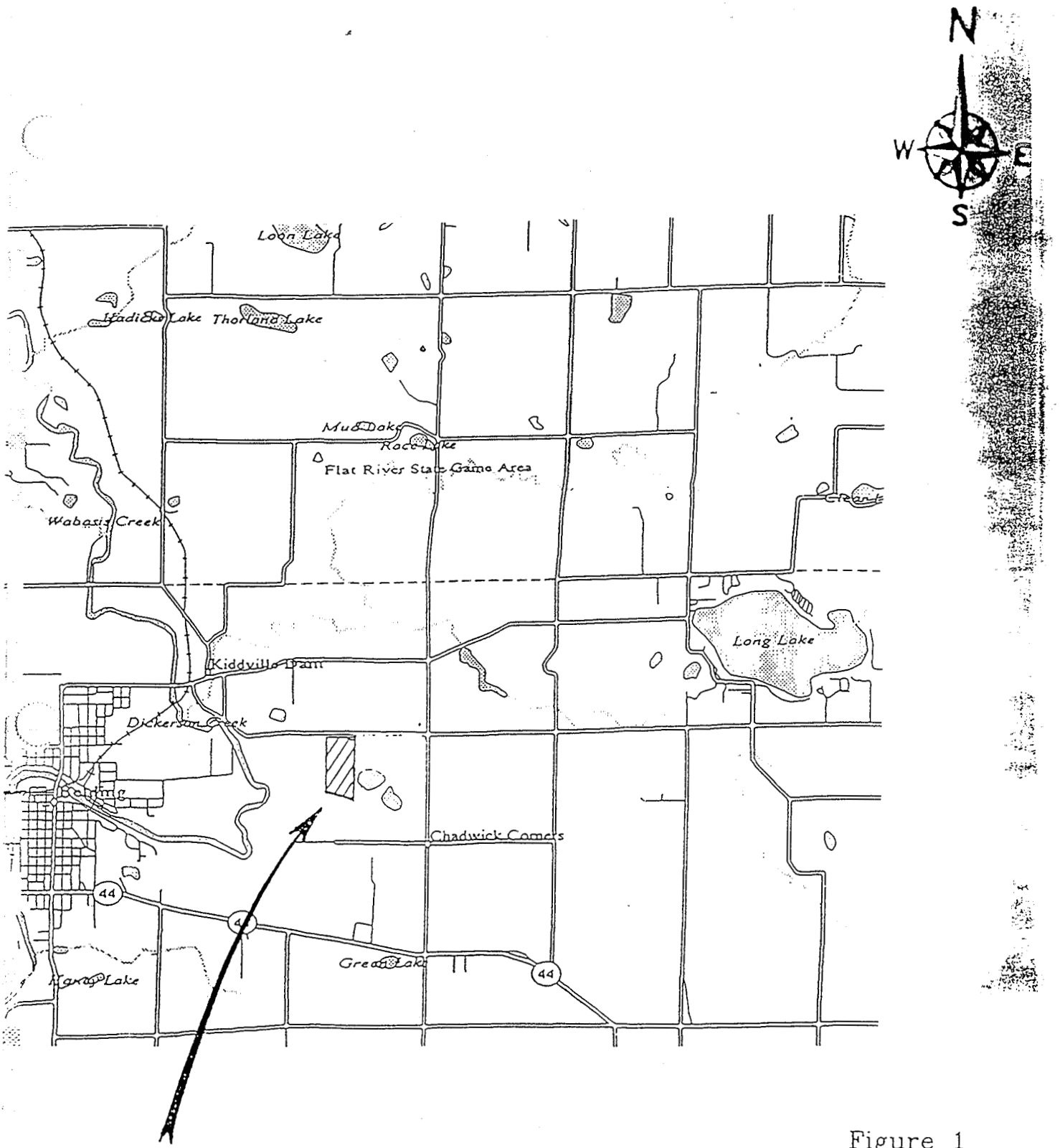


Figure 1

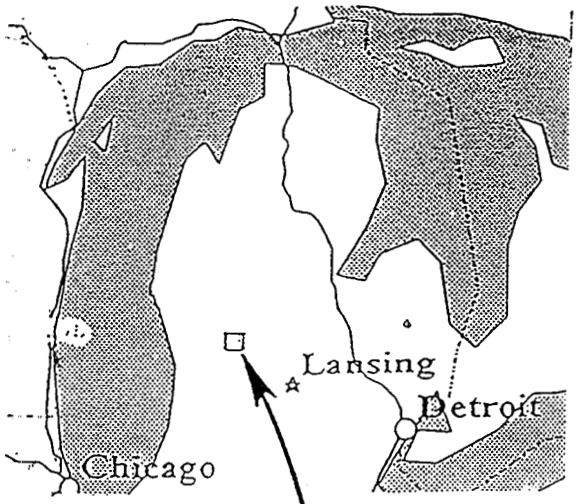
Regional Location Map

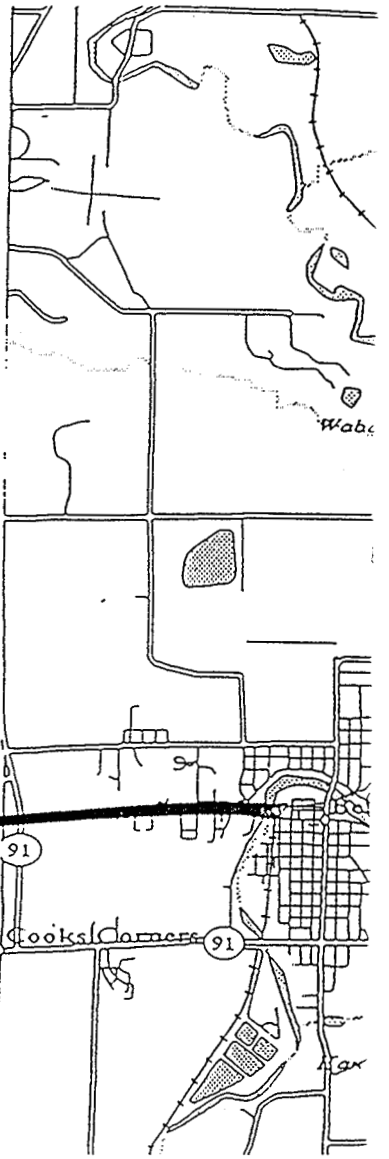
Pitsch Sanitary Landfill

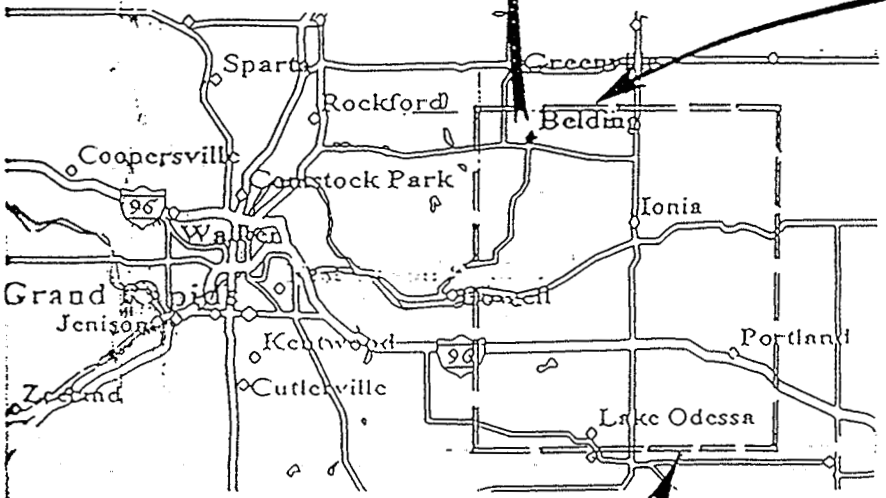
Kiddville Road
Ionia County
Belding, Michigan

Aqua-Tech Consultants, Inc.

1336 Scribner NW
Grand Rapids, MI 49504





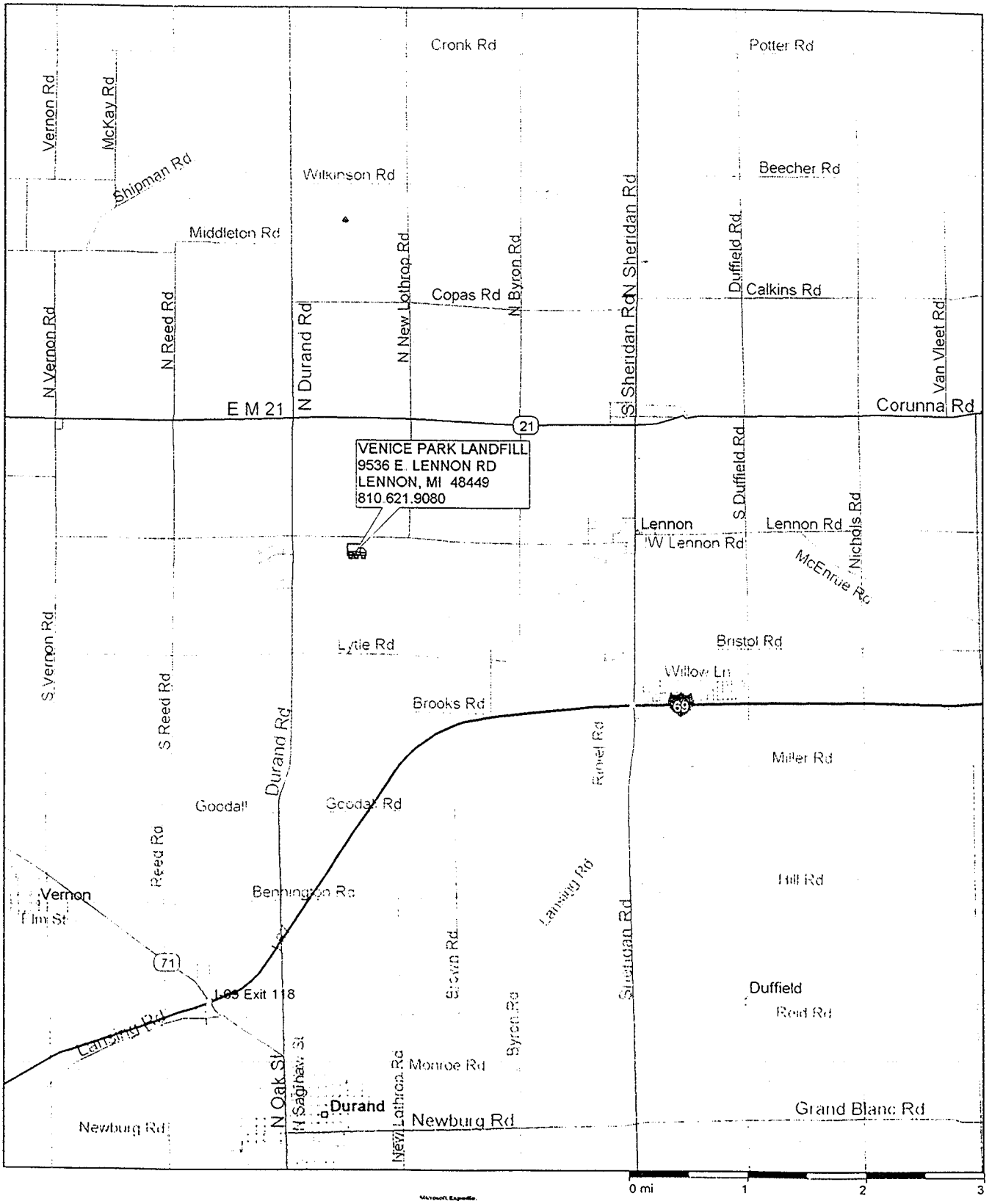


Pitsch Sanit

Ionia County

	Job# 1594B	Drawn By GAS	Date Aug 30, 1995

VENICE PARK LANDFILL
SITE LOCATION MAP



Microsoft Expedia
Streets98

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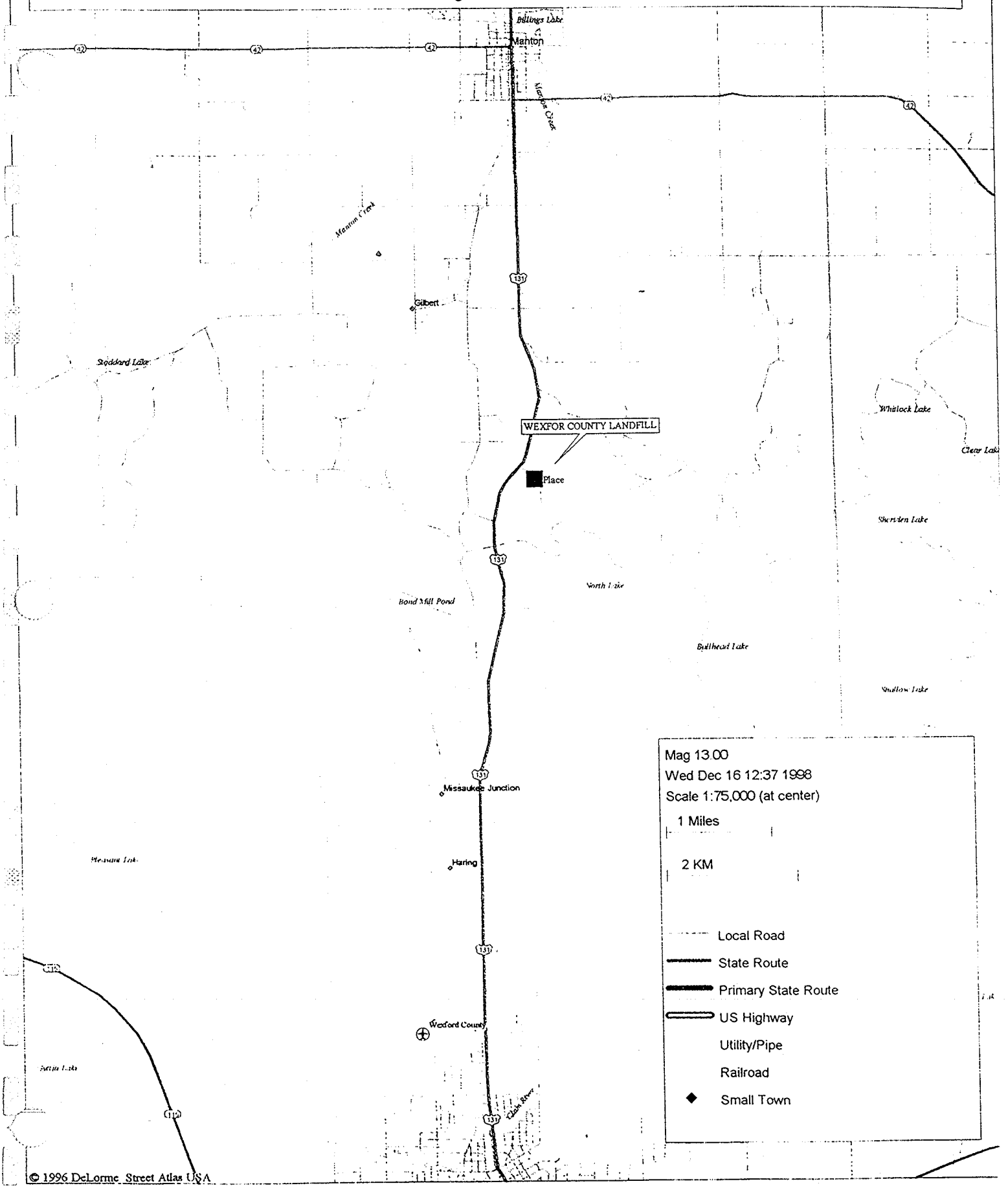
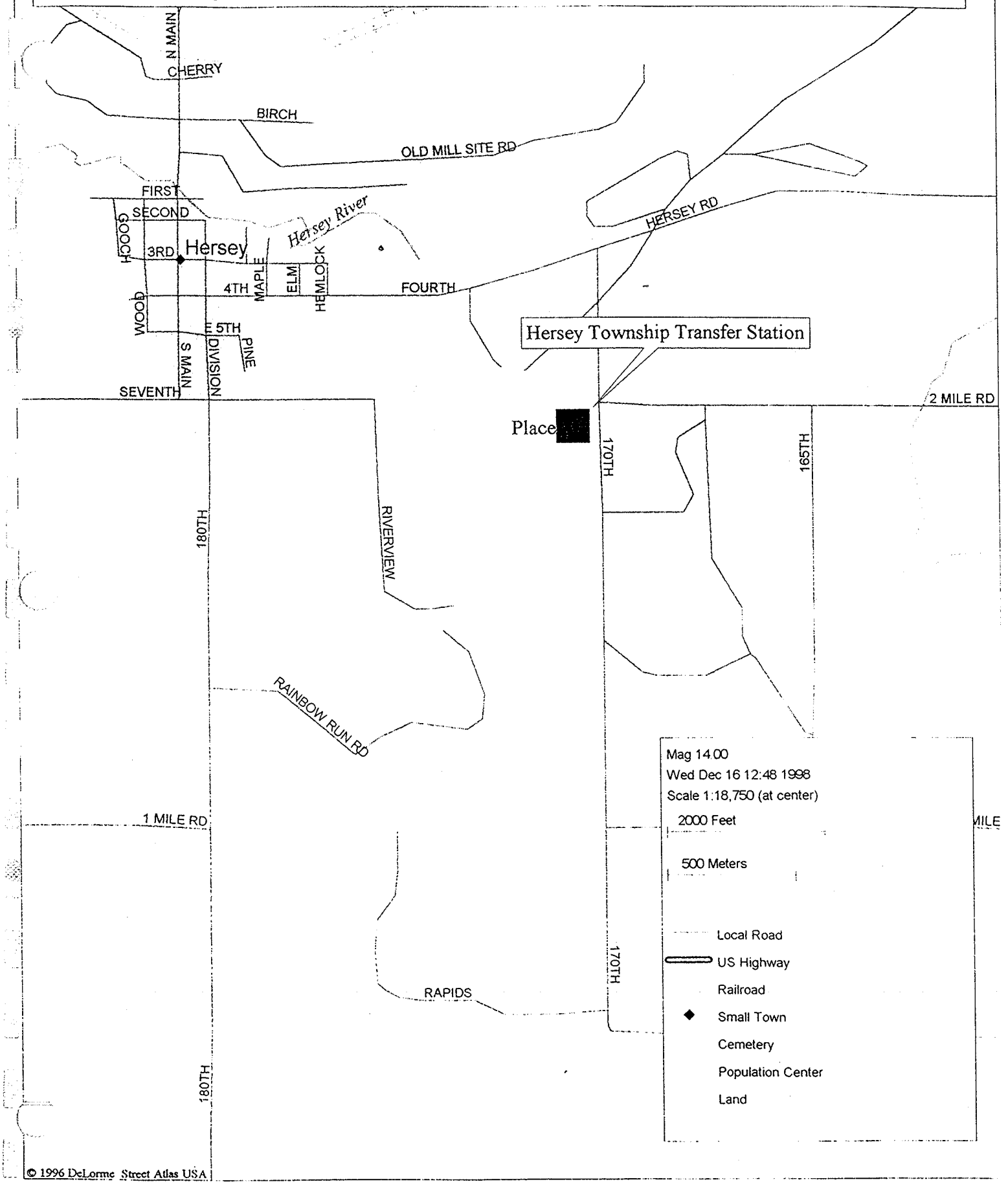
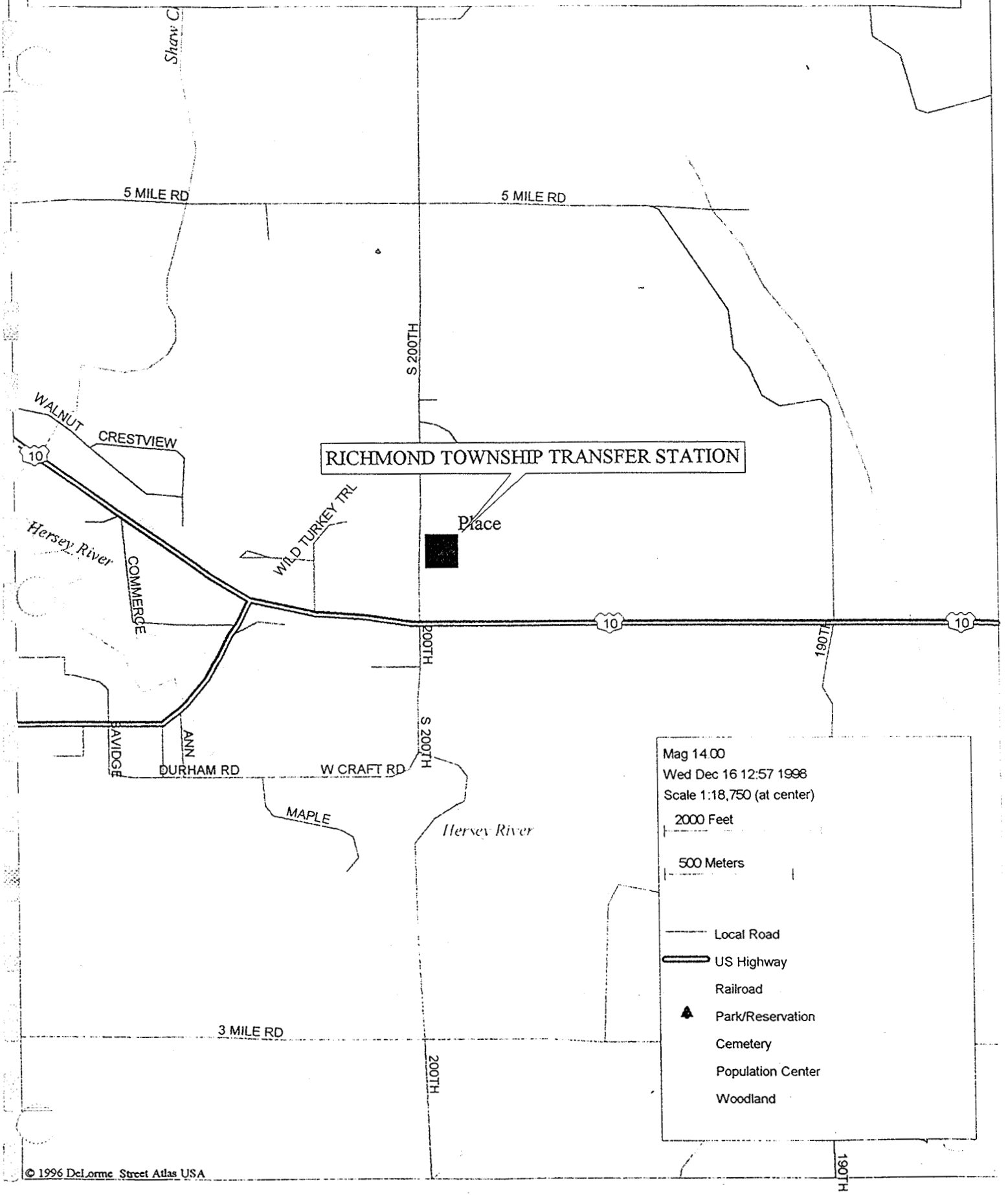
Wexford County Landfill Site Map

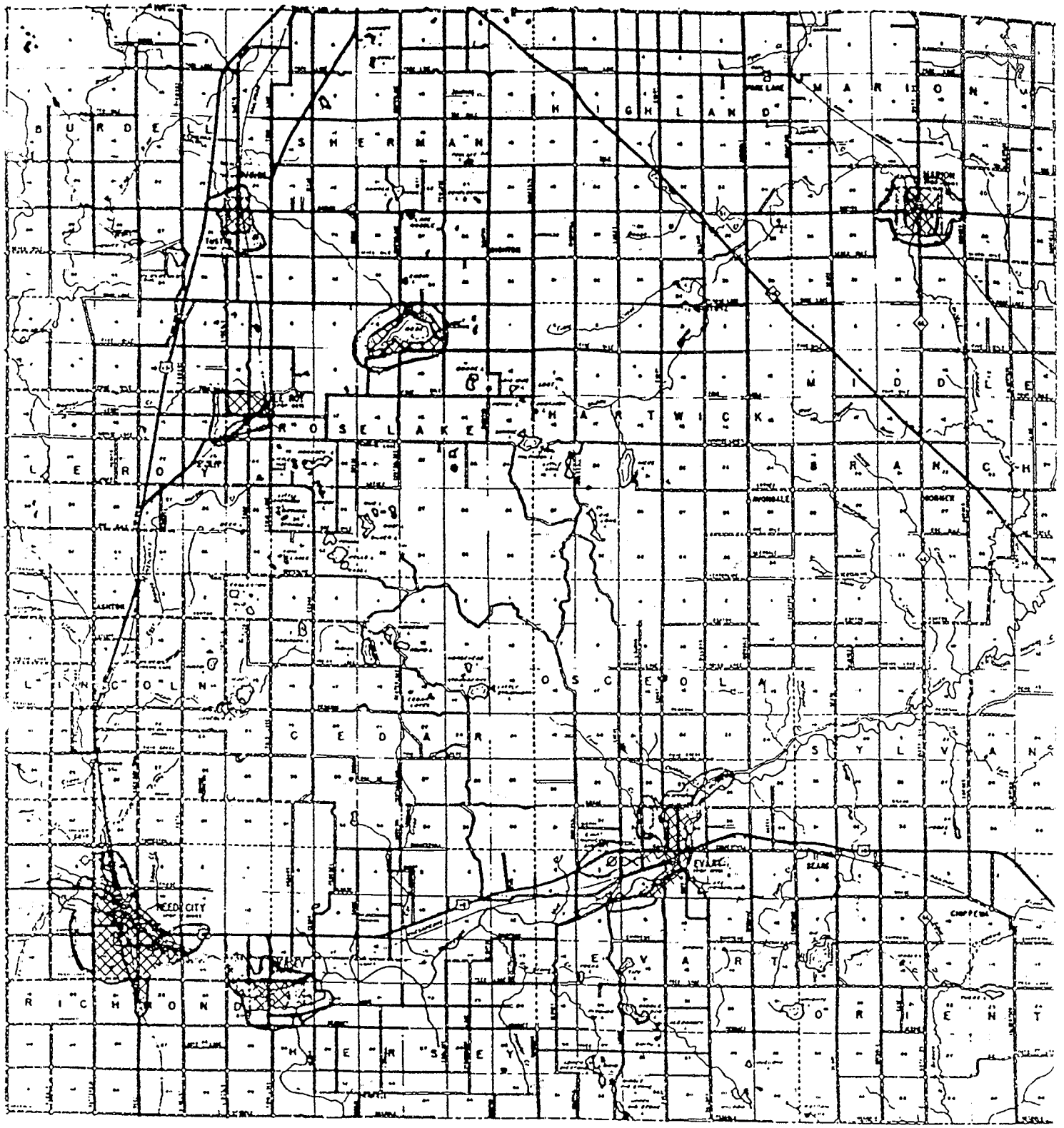


Hersey Twp. Transfer Station Site Map



Richmond Twp. Transfer Station Site Map





CURRENT DEVELOPMENT

URBAN

URBANIZING

NORTH

West Michigan Regional Planning Commission

Grand Rapids, Michigan
(616) 454-9375

ATTACHMENTS

Inter-County Agreements

Copies of Inter-County agreements with other Counties (if any).

MEMORANDUM OF UNDERSTANDING FOR A RECIPROCAL AGREEMENT ON SOLID WASTE

Both Missaukee County and Osceola County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451, as amended.

The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

The Missaukee County Solid Waste Management Plan provided for a mechanism to enter into reciprocal agreements such as this one:

A. Missaukee County will agree to accept solid waste from Osceola County, for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in service or tipping fee price structure.

B. Osceola County will agree to accept solid waste from Missaukee County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

This agreement may be terminated by either county upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. if adequate notice is not mutually agreed to, then adequate notice shall be two years.

Both counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR MISSAUKEE COUNTY	FOR OSCEOLA COUNTY
Chairman, Board of Commissioners	Chairman, Board of Commissioners
10-13-98	5-29-91
Date	Date

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, all counties within the State of Michigan are subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act of 1994, P.A. 451, as amended ("The Act"); and

WHEREAS, Osceola County and Oceana County are both State of Michigan Counties, are subject to The Act and are therefore responsible for the collection and disposal of their own respective solid waste; and

WHEREAS, The Act requires that both the importing and exporting county's solid waste management plan include statements as to where the solid waste will be transported and that the receiving county will accept the solid waste before waste material may be transported between counties.

NOW, THEREFORE BE IT RESOLVED: That Oceana County will accept solid waste from Osceola County for both primary and contingency disposal, and will identify Osceola County in its future import authorization category for the disposal of solid waste if and when a solid waste facility is sited within Oceana County so long as these facilities are open to the public and that Osceola County solid waste will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED: That Osceola County will agree to accept the import of solid waste from Oceana County for both primary and contingency disposal in solid waste facilities within Osceola County so long as these facilities are open to the public and that Oceana County solid waste will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED: That this agreement may be terminated by either Osceola County or Oceana County upon receipt of a mutually agreed upon notice that is adequate to provide for the necessary time to identify and procure another primary solid waste disposal site. If adequate notice is not mutually agreeable to either county, then adequate notice shall be determined as two years.

BE IT FINALLY RESOLVED: That both Counties agree to assume their own and separate liability and that both Counties agree to assume their own financial responsibility for any payments for assessed damages, fines or penalties at their own cost as would exist if this agreement had never been entered into.

FOR OCEANA COUNTY

Raphael L. Mallory
Chairperson, Board of Commissioners

Date: 10-8-95

FOR OSCEOLA COUNTY

Lance E. Kinton
Chairperson, Board of Commissioners

Date: Oct 29, 1996

RECEIVED
JUL 20 1998
OSCEOLA COUNTY CLERK

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, Osceola County and Montcalm County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended. and,

WHEREAS, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept solid waste from Montcalm County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT Montcalm County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT This agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

BE IT FURTHER RESOLVED, THAT both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR MONTCALM COUNTY

Roger W. Walsh
Chairman, Board of Commissioners

Date: 7-16 98

FOR OSCEOLA COUNTY

Donna Denslow
Chairman, Board of Commissioners

Date: June 25, 1998

RESOLUTION #98-26

SOLID WASTE RECIPROCAL AGREEMENT

WHEREAS, Osceola County and Mecosta County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section 11539a of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended. and,

WHEREAS, The Act requires that both the receiving and sending county's solid waste management plan include statements as to where solid waste will be sent to and/or will be received from, before wastes can be transported between counties.

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept solid waste from Mecosta County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT Mecosta County will agree to accept solid waste from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure.

BE IT FURTHER RESOLVED, THAT This agreement may be terminated by either County upon receipt of a mutually agreeable notice adequate to provide time for another method of primary disposal. If adequate notice is not mutually agreed to, then adequate notice shall be two years.

BE IT FURTHER RESOLVED, THAT both Counties agree to assume their own and separate liability, and assume financial responsibility for payment of any damages, fines, etc., at their own cost, as would exist if this agreement had never been entered into.

FOR MECOSTA COUNTY

Chairman, Board of Commissioners

Date: 8-20-98

FOR OSCEOLA COUNTY

Chairperson, Board of Commissioners

Date: July 31 1995

CERTIFICATION:

I, Ruth L. Hess, being the Clerk of Mecosta County and having a seal, do hereby certify that the Mecosta County Board of Commissioners did approve the above motion at their regular meeting held on the 20th day of August, 1998.

Ruth L. Hess, Mecosta County Clerk and Clerk of the Mecosta County Board of Commissioners

Special Conditions

Special conditions affecting import or export of solid waste.

The agreement with Ionia County is for "Special Wastes" which are for construction and Demolition debris, foundry sand, sludge, contaminated soils, street sweepings, fly ash, slag, agricultural waste, and asbestos. These "Special Wastes" are Type II wastes, but exclude general Type II residential, commercial, and industrial wastes. This agreement is for import and export.