



Alpena

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

July 16, 1999

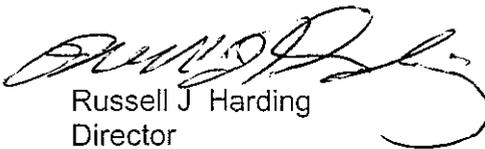
Ms. Joyce D. McLain, Chairperson
Alpena County Board of Commissioners
720 Chisholm Street
Alpena, Michigan 49707

Dear Ms. McLain:

The Department of Environmental Quality (DEQ) received the locally approved update to the Alpena County Solid Waste Management Plan (Plan) on January 7, 1999. We congratulate your efforts and commitment in addressing the solid waste management issues in Alpena County.

By this letter, this Plan is now approved and Alpena County now assumes responsibility for the enforcement and implementation of this Plan. If you have any questions, you can contact Mr. Seth Phillips, at 517-373-4750.

Sincerely,



Russell J. Harding
Director
517-373-7917

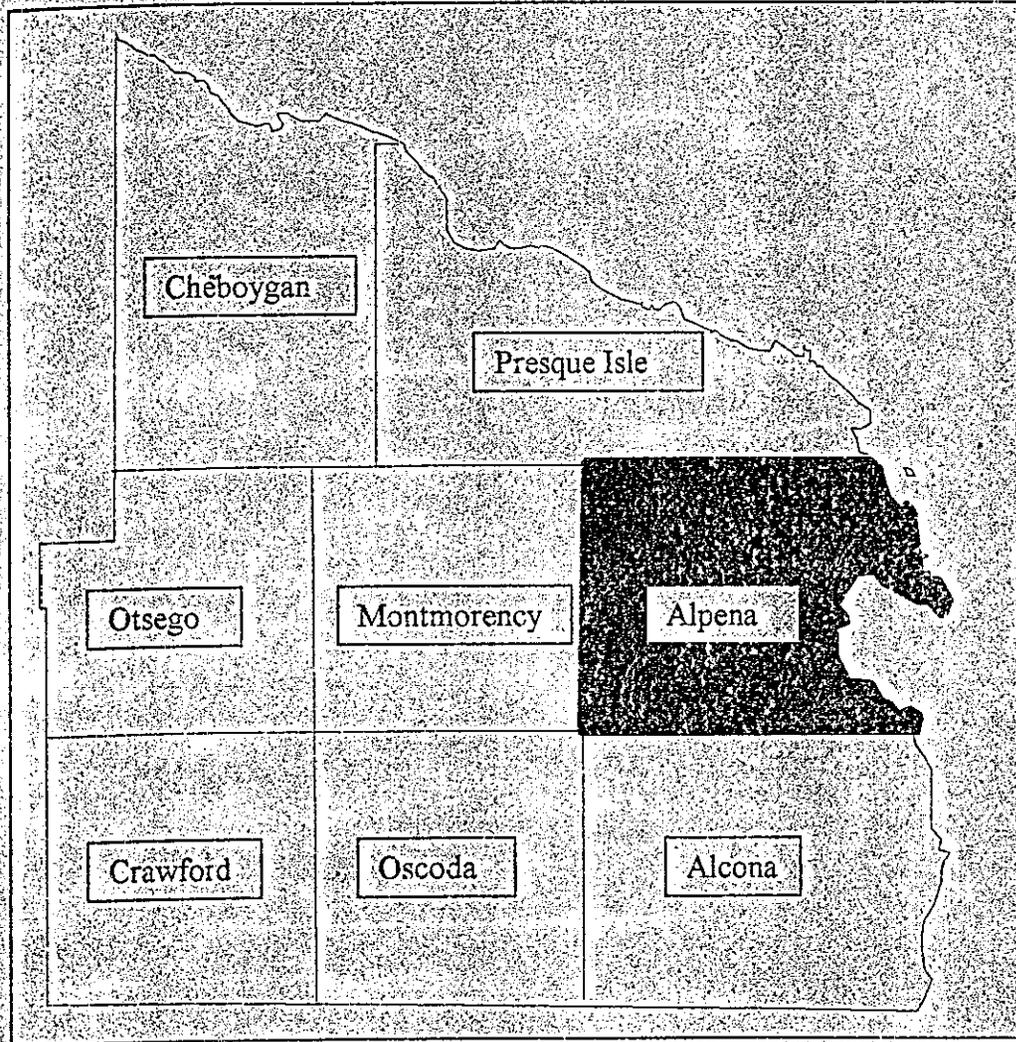
cc: Senator Walter H. North
Representative Andrew W. Neumann
Ms. Diane Rekowski, Northeast Michigan Council of Governments
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Ms. Cathy Wilson, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Mr. Phil Roycraft, DEQ
Mr. Seth Phillips, DEQ
Mr. Jim Johnson, DEQ

Ms. Joyce D. McLain
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bcc: Alcona County
Bay County
Crawford County
Montmorency County
Presque Isle County

ALPENA COUNTY

SOLID WASTE MANAGEMENT PLAN



Designated Solid Waste Planning Agency:

Northeast Michigan Council of Governments
121 East Mitchell Street, P.O. Box 457
Gaylord, Michigan 49734

ALPENA COUNTY SOLID WASTE MANAGEMENT PLAN

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: January 4, 1999

PARICIPATING COUNTIES: Alpena County

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 D.

<u>Municipality</u>	<u>Original Planning County</u>	<u>New Planning County</u>
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DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:
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CENTRAL REPOSITORY LOCATION(S): Alpena County Building - Commissioners 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

Township or Municipality Name	Population	% Land Use		% of Economic Base*				
		Rural	Urban	Ag	For	Ind	Com	Oth
Alpena Twp	9,756	75	25	< 1	< 1	20	49	30
Green Twp	1,049	100	0	2	5	25	46	22
Long Rapids Twp	997	100	0	5	10	20	38	27
Maple Ridge Twp	1,527	100	0	1	1	27	44	27
Ossineke Twp	1,599	100	0	3	5	22	45	25
Sanborn Twp	2,117	100	0	1	3	21	48	27
Wellington Twp	258	100	0	8	19	10	37	26
Wilson Twp	1,854	100	0	2	4	20	45	29
City of Alpena	11,589	0	100	< 1	< 1	18	50	31
Total Population	30,746							

*Ag = Agriculture; For = Forestry; Ind = Industry; Com = Commercial; Oth = All Other Economic Bases. Additional listings, if necessary, are listed on an attached page.

EXECUTIVE SUMMARY

CONCLUSIONS

The Alpena County Solid Waste Planning Committee was established utilizing newspaper advertisements and appointments by the Alpena County Board of Commissioners. Once committee positions were filled, the Alpena County Board of Commissioners voted on and approved the committee.

Committee meetings were then held to obtain input into the overall plan. The current solid waste management system was reviewed and the deficiencies of this system were discussed. In developing the selected system, attempts were made to solve the problems and deficiencies in the present system.

As the present solid waste management system lacked a county wide recycling program, the Solid Waste Planning Committee held several discussions on the development of a recycling program. Various recycling programs were reviewed and tours were conducted of the Emmet County Recycling Center prior to development of the selected program.

Each solid waste management alternative for Alpena County was assessed based on technical feasibility, economic feasibility, access to land, access to transportation, effects on energy, environmental impacts, public acceptability, and conservation of natural resources. Selection of the solid waste management system was based on the system that would be in the best interest of the residents of Alpena County. Considerations included residents having commercial service options available and having recycling and composting opportunities. The selected system was chosen by a majority vote of the Solid Waste Planning Committee.

SELECTED ALTERNATIVES

The selected solid waste management system will utilize the Montmorency-Oscoda Sanitary Landfill (MOSL) as the primary solid waste disposal facility for residential and commercial solid waste for the next 5 year planning period. Industrial solid waste will be disposed of at MOSL or the Waste Management, Inc Landfill in Waters, MI. The selected system provides the ability to maintain options for collection services, utilizes the Alpena Transfer Station and initiates a resource recovery program.

Resource conservation and recovery efforts will involve the implementation of a countywide (possibly multi-county) recycling program, enhancement of the existing composting program, implementation of a household hazardous waste program and the initiation of a comprehensive education program. The City, county and the private sector, will work towards the development of a recycling program that will likely involve a central processing facility with drop-off containers located strategically throughout the county. The program is likely to include adjacent counties to ensure sufficient volume for program cost-effectiveness. Education will be a key component and will involve partnerships with various agencies for information dissemination. Composting facilities operated by the City of Alpena will be upgraded and available for city residents, while backyard composting programs will be promoted for the rural portions of the county. Other resource conservation and recovery efforts will include: waste reduction through an educational campaign; the development of a household hazardous waste collection program in coordination with adjacent counties; and township sponsored clean up days to address the problem of dumping in the woods.

INTRODUCTION

GOALS AND OBJECTIVES

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

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

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

Alpena County Solid Waste Goals and Objectives

Goal 1: Establish and maintain a resource recovery program to reduce the overall dependency on land disposal and to provide for the conservation of natural resources

Objective 1a: Initiate a county-wide recycling program, by the year 1999, in coordination with surrounding counties (See Appendix, page 64, for details of recycling program development and implementation)

- A. Establish a recyclable material collection drop-off system which is convenient for the general public by June, 1999. The materials to be recycled initially include: newspaper, office paper, corrugated, metal cans, plastic milk jugs, plastics #2, and glass.
- B. Hire the necessary personnel to oversee the development and operations of the recycling program.
- C. Establish a Central Processing Facility to serve the short-term and long-term needs of the County of Alpena and interested adjacent counties
- D. Secure the financial resources to operate and maintain a Central Processing Facility and drop-off sites on a multi-county level

Objective 1b. Expand and improve composting opportunities in Alpena County

- A. On an annual basis, disseminate educational information to the general public on back yard composting techniques.
- B. Conduct a survey with the municipalities to determine composting needs.
- C. Meet with the City of Alpena and the Future Farmers of America to determine additional needs of the composting operations.
- D. Develop a composting promotional campaign to increase the awareness and participation of the program.
- E. On a biannual basis, determine if there is a need for additional composting sites in the county.

Objective 1c. Develop a Resource Recovery Education program to increase the understanding of the benefits of reducing, reusing, and recycling solid wastes.

- A. Meet with MSU Extension, school representatives, organizations, businesses, etc. to develop an overall education program
- B. Determine the delivery system for information dissemination (i.e. MSU Extension - brochures available to general public, 4H activity, School calendars, School logo contests, etc).
- C. Gather available information for local dissemination
- D. Designate an office where the public can direct questions about solid waste management and where they can obtain printed educational materials
- E. Incorporate the "Buy Recycled" theme into the educational program.

Goal 2: Provide for the protection of the public's health and the quality of the natural resources: air, land, ground and surface waters, by increasing the overall efficiency of solid waste collection, transportation, and disposal

Objective 2a. Explore the possibilities for franchising the collection of solid waste in areas in the county currently being served by 2 or more solid waste haulers

- A. Meet to discuss the pros and cons of franchising collection with local solid waste haulers
- B. Determine the feasibility of franchising collection

Objective 2b Explore the opportunities for increasing the utilization of the Transfer Station through a partnership arrangement between the City of Alpena and Alpena County

- A Meet to determine possibilities of a partnership arrangement for transfer station operations/ownership
- B Meet with city, county and local haulers to determine current problems and deficiencies.

Objective 2c Develop a county-wide household and agricultural hazardous waste collection program.

- A. Biannually, organize and hold a household hazardous waste collection day
- B Develop and distribute educational materials that describe which wastes classify as hazardous and explain proper disposal methods.
- C. Meet with other counties in the region to discuss holding a multi-county collection day.
- D. Research available hazardous waste disposal programs
- E. Promote existing hazardous waste programs; i.e. Operation Clean Sweep

Objective 2d Establish an annual clean-up day program to reduce dumping in woods.

- A Organize a meeting with townships and the City of Alpena to develop an annual clean-up program
- B. On an annual basis, hold clean-up days throughout the county.

Objective 2e Enact a county ordinance that provides fines and/or other penalties for illegal dumping and encourages witnesses to report illegal dumping by offering rewards.

- A. Review existing system to determine if additional regulations are needed
- B Enhance system, if necessary through a new ordinance, to discourage illegal dumping of solid waste.

Goal 3 Ensure competitive pricing of solid waste collection for consumers

Objective 3a Review other county's efforts to ensure competitive pricing, i.e. ordinances

Objective 3b Explore the feasibility of enacting volume based pricing.

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)

Alpena County was included in the 1980 Northeast Solid Waste Stream Assessment. Base data from this Waste Stream Analysis was utilized to determine the quantity and composition of solid waste generated in the 1998 update of the Alpena County Solid Waste Plan

In 1997, Alpena County generated an estimated 61 tons/day of type II residential and commercial solid waste. Residential/commercial solid waste data was calculated by staff based on the generation rate of 3 lbs/capita/day. The amount of industrial waste generated in the county in 1997 was estimated at 167 tons/day. Industrial waste was calculated by staff based on the generation rate of 8 lbs/capita/day in 1997. This was derived from a survey of industrial waste producers (see page 8 for results of this survey) and the DEQ's report on solid waste landfilled in Michigan. The projected solid waste generation for Alpena County, broken down by township, is shown in the following table. These figures are based on future population trends and do not take into consideration any factors affecting solid waste fluctuations.

Alpena County Solid Waste Generation

Waste Type	1997 Volume (tons/yr)	2005 Volume (tons/yr)	2010 Volume (tons/yr)
City of Alpena			
Residential/Commercial	8,267	8,816	9,361
Industrial	22,045	23,509	24,964
Alpena Twp			
Residential/Commercial	6,999	7,437	7,897
Industrial	18,667	19,835	20,660
Green Twp			
Residential/Commercial	827	856	908
Industrial	2,204	2,281	2,421
Long Rapids Twp			
Residential/Commercial	753	784	832
Industrial	2,008	2,090	2,219
Maple Ridge Twp			
Residential/Commercial	1,117	1,156	1,261
Industrial	4,739	3,081	3,363
Ossineke Twp			
Residential/Commercial	1,161	1,248	1,361
Industrial	3,097	3,329	3,632
Sanborn Twp			
Residential/Commercial	1,564	1,641	1,791
Industrial	4,169	4,376	4,777

Waste Type	1997 Volume (tons/yr)	2005 Volume (tons/yr)	2010 Volume (tons/yr)
Wellington Twp			
Residential/Commercial	179	231	252
Industrial	477	615	671
Wilson Twp			
Residential/Commercial	1,407	1,433	1,564
Industrial	3,752	3,821	4,172
Alpena County			
Residential/Commercial	22,273	23,602	25,228
Industrial	61,159	62,939	65,945

Source: Michigan Department of Management and Budget

Alpena County does not anticipate major problems associated with managing the solid waste generated within its county, as their landfill will have 20 plus years of projected capacity. LaFarge, a major industrial waste generator, owns and operates its own landfill and many other industries have found ways to recycle all or portions of their wastes. The Alpena City Wastewater Treatment Plant produces 500 dry tons/yr of sludge, but all of this goes to different land applications and it is their goal to keep all sludge out of the landfill. Collection of solid waste is currently available through private agreements with private hauling companies. Increase in solid waste due to increase in tourism and seasonal home development will be handled through private hauling companies. Increases in solid waste due to population growth will be moderated by the institution of a recycling program, a household hazardous waste collection program and an educational campaign to increase participation in composting.

TOTAL QUANTITY OF SOLID WASTE GENERATED:

In 1997: 83,432 tons/yr
 In 2005: 86,541 tons/yr
 In 2010: 91,173 tons/yr

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:

In 1997: 43,637 tons/yr
 In 2005: 46,746 tons/yr
 In 2010: 51,378 tons/yr

Results of Alpena County Industrial Waste Survey

Business	Type of Waste	Amount of Waste	Disposal	Notes
ABTco, Inc	fly ash, damaged board mixture	12000 yds ³ /yr fly ash, 5000 yds ³ /yr damaged board mixture	Fly ash is used as a landfill cap. Recycle batteries, oil, floor, bulbs, and metals. Bark used in landscaping.	Some waste is burned in process
Alpena City Waste Water Treatment Plant	sludge	2000 yds ³ /yr	Sludge used in land applications: farm, forest regeneration, mine reclamation, recovering.	Goal is to not have any sludge landfilled.
Alpena Community College	concrete waste, general waste: office, wood, cardboard, food	2000 yds ³ /yr of office/general, 100 yds ³ /yr concrete waste.	Concrete waste is used as fill by private company. All other waste goes to landfill.	Tried recycling cardboard, but it was too costly
Alpena General Hospital	cardboard, office waste, biomedical waste (sharps, body fluids)	1040 yds ³ /yr of office waste, 156 yds ³ /yr of biomedical waste	Cardboard is recycled. Office waste is landfilled. Biomedical waste is hauled to an autoclave or incinerator.	
Alpena News Publishing Co.	paper, aluminum plates	183 yds ³ /yr paper waste	Paper waste was recycled until November 1997, now it is landfilled. Aluminum plates are recycled.	Ability to recycle depends on markets. Recycled newsprint used in production.
Besser Co.	Paint dust	2 drums of paint dust/month	Safety Clean picks up the hazardous waste.	
D G. Trim Products	fiberglass material	20800 yds ³ /yr	Waste is transported to a certified landfill downstate, as it contains a non-hazardous residue and can not be taken to a normal landfill.	Would like to recycle waste, but have not found a way to do it.
Eagle Engrg & Sply Co.	cardboard that parts come in	unknown	cardboard boxes are recycled	
Fletcher Paper Corp	paper sludge, metal	10,000 to 12,000 yds ³ /yr sludge	Sludge used at landfill for cap. Metal is recycled.	Would like to find a way to recycle paper silicone coating.
J D. Phillips, Corp.	scrap metal, oils	Depends on workload.	Oil collected by Safety Clean. Sell scrap metal.	
NEMROC Inc	sawdust, chipped wood, bark	Unknown	Sawdust, chipped wood sold to energy plants. Bark sold for landscaping.	Only office waste is landfilled.
Panel Processing, Inc.	shredded hard board, hardboard pellets, sawdust	5200 yds ³ /yr	All waste is given away and used as animal bedding by farmers, or as boiler fuel.	Buy hardboard that contains some recycled materials
Thunder Bay Mfg Corp.	slag, baghouse dust, iron	1040 yds ³ /yr slag, 1040 yds ³ /yr dust	Landfill slag and baghouse dust. Recycle iron.	Use recycled iron, alloys, copper. Recycle sand used in process.
W G Benjey	paint, paint thinners	15 gallons/year	Picked up by Safety Clean	

DATA BASE - SOLID WASTE DISPOSAL AREAS

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

There are currently no solid waste disposal sites for public use located in Alpena County. There is one Type III landfill owned and operated by LaFarge for use as their disposal site for cement kiln dust, which they produce in their manufacturing. All other solid waste is exported out of the county and transported to either Montmorency-Oscoda Sanitary Landfill in Montmorency County or the Waste Management, Inc Landfill in Waters. Solid waste has also been transported to the Elk Run Landfill in Presque Isle County. However, under the new ownership of Waste Management, Inc, the Elk Run Landfill is not expected to be significantly utilized within this planning period. The county does have one Type A Transfer facility owned by the City of Alpena and operated by Waste Management, Inc. However, it is primarily utilized for construction waste and as a drop off site for residents.

See Attachment C for a map showing the location of transfer stations, disposal sites and relative distances to disposal sites

DATA BASE - FACILITY DESCRIPTIONS

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Facility

Facility Name: City of Alpena Transfer Station

County: Alpena

Location: Town: 31N

Range: 7E

Section(s): 26

Map identifying location included in Attachment Section: Yes

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

Owner: Publicly owned by City of Alpena, Privately operated by United Wastes

<u>Operating Status (check)</u>	<u>Waste Types Received (check all that apply)</u>
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	contaminated soils
<input type="checkbox"/> open, closure pending	<input checked="" type="checkbox"/> special wastes *
	other:

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

Only sludge (grit) from the wastewater treatment plant in Alpena

Site Size:

Total area of facility property:	NA ¹	acres
Total area sited for use:	NA	acres
Total area permitted:	NA	acres
Operating:	NA	acres
Not excavated:	NA	acres

Current capacity:	140	yds ³ ²
Estimated lifetime:	NA	years
Estimated days open per year:	312	days
Estimated yearly disposal volume:	18374	yds ³

Annual energy production:

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

¹NA -- Not Applicable

² Current Capacity -- 3 boxes: 50 yds³ box for construction waste, 40 yds³ box, 50 yds³ box for scrap metal, white goods

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Waste Management Inc of Waters

County: Crawford

Location: Town: 28 N

Range: 8 E

Section(s): 4

Map identifying location included in Attachment Section: Yes

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

Owner:

<u>Operating Status (check)</u>	<u>Waste Types Received (check all that apply)</u>
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, closure pending	<input checked="" type="checkbox"/> special wastes *
	other:

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

Site Size:

Total area of facility property: 252.2 acres

Total area sited for use: 252.2 acres

Total area permitted: 79.07 acres

Operating: 9.7 acres

Not excavated: 64.87 acres

Current capacity: 8.2 million yds³

Estimated lifetime: + 20 years

Estimated days open per year: 313 days

Estimated yearly disposal volume: 185,000-200,000 yds³

Annual energy production:

Landfill gas recovery projects: NA megawatts

Waste-to-energy incinerators: NA megawatt

NA -- Not Applicable

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Montmorency-Oscoda Sanitary Landfill

County: Montmorency

Location: Town: 29N

Range: 3E

Section(s): 6

Map identifying location included in Attachment Section: Yes

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

Owner: Publicly owned by Montmorency and Oscoda Counties

Operating Status (check)

Waste Types Received (check all that apply)

X open

closed

X licensed

unlicensed

X construction permit

open, closure pending

X residential

X commercial

X industrial

X construction & demolition

contaminated soils

special wastes *

other:

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

Site Size:

Total area of facility property: 80 acres¹

Total area sited for use: 80 acres

Total area permitted: 80 acres

Operating: 3-4 acres

Not excavated: 37-40 acres

Current capacity: 3,500,000 yds³

Estimated lifetime: 30 years

Estimated days open per year: 310 days

Estimated yearly disposal volume: 145,000 yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: Will be adding recovery in future

Waste-to-energy incinerators: NA megawatts

1 Currently in the process of obtaining a construction permit for a new cell

NA -- Not Applicable

FACILITY DESCRIPTIONS

Facility Type: Type III

Facility Name: LaFarge

County: Alpena

Location: Town: 31N

Range: 7E

Section(s): 30

Map identifying location included in Attachment Section: No

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

Owner: Privately owned by LaFarge

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

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

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

Site Size:

Total area of facility property:	120	acres
Total area sited for use:	120	acres
Total area permitted:	120	acres
Operating:	20	acres
Not excavated:	120	acres

Current capacity:	12.5 million	yds3
Estimated lifetime:	50	years
Estimated days open per year:	365	days
Estimated yearly disposal volume:	240,000	tons or yds3

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Elk Run

County: Presque Isle

Location: Town:

Range:

Section(s):

Map identifying location included in Attachment Section: Yes

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

Owner:

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

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

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

Site Size:

Total area of facility property:	160	acres
Total area sited for use:	40	acres
Total area permitted:	8	acres
Operating:	8	acres
Not excavated:	32	acres

Current capacity:	3,400,000	yds ³
Estimated lifetime:	35	years
Estimated days open per year:	260	days – will be open 1 day/week - 50 yds ³ /day
Estimated yearly disposal volume:	5,000	yds ³ /month - minimal

(if applicable)

Annual energy production:	
Landfill gas recovery projects:	0 megawatts
Waste-to-energy incinerators:	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.

Collection of residential and commercial solid waste in Alpena County is accomplished by commercial haulers or by individuals transporting their waste to the City of Alpena Transfer Facility. Curbside collection is the most common collection method with door to door pick up service provided in some instances. Alpena County is presently serviced by seven commercial firms. The haulers currently serving the county are:

Solid Waste Collection Services

<u>Service Provider</u>	<u>Public/Private</u>	<u>Service Area</u>	<u>Payment</u>	<u>Disposal Facility</u>
Waste Management, Inc	Private	Alpena County	Customer	Alpena Transfer Station MOSL ¹ Waters USA
Jewell's Disposal Service	Private	Alpena County	Customer	MOSL
L&N Disposal	Private	Alpena County	Customer	MOSL
Mason Disposal Service	Private	Alpena County	Customer	MOSL
Lindel & Son Refuse Service	Private	Alpena County	Customer	MOSL
Thunder Bay Sanitation	Private	Western Alpena County	Customer	MOSL
Traverse Sanitation	Private	Alpena County	Customer	MOSL

¹MOSL – Montmorency-Oscoda Sanitary Landfill

DATA BASE - EVALUATION OF DEFICIENCIES AND PROBLEMS

The following is a description of problems or deficiencies in the existing solid waste system. Major deficiencies with regards to solid waste in Alpena County are primarily a result of minimal revenue available for solid waste management, lack of recycling, and overlaps in waste hauler territories.

The solid waste haulers in Alpena County are not well coordinated and their collection territories overlap significantly. Currently several different haulers collect on different days on one street.

Recycling opportunities in the county are limited and lack county-wide coordination. Currently, Evergreen Recycling, Inc, a program using Community Mental Health consumers, is providing recycling for paper, some plastics, and metals. BFI did provide drop-off of recyclables at the Transfer Facility. Several difficulties exist in starting a recycling program in Alpena, such as low volume, especially in rural areas, high costs of transporting materials to the market, lack of a large centralized collection/storage site, and lack of recycling equipment.

The current solid waste management system does not provide a means of proper disposal for agricultural and household hazardous waste. There is a lack of knowledge among the residents about the proper way to dispose of household hazardous waste. In addition, there is a lack of an effective means for disposal of white goods. A common means of disposal of white goods is to dump these items in the woods. There is a need to develop a coordinated program for the disposal of household hazardous waste and white goods.

The transfer station, which is owned by the City of Alpena and contracted out for operations by the private hauling industry, is not being used most effectively. Local residents, construction firms, and lawn maintenance businesses utilize the facility as a drop off site. However, due to the high tipping fee costs and slow truck unloading, it is rarely used by the hauling industry. Most haulers transport their solid waste directly to the landfill, increasing road maintenance costs, fuel costs, and wear and tear on the collection vehicles.

DATA BASE - DEMOGRAPHICS

The following presents 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. If generation data was extrapolated from yearly data, then it was calculated using 365 days per year, unless otherwise noted.

The Northeast Region of Michigan's Lower Peninsula is experiencing an increase in population. As the population ages, people are moving from urban to rural areas, seeking a higher quality of life than that found in the cities. Second home development is increasing throughout northeast Michigan and is expected to continue to increase as more people reach the retirement age.

The major population centers of Alpena County are the City of Alpena, the adjacent urban areas of Alpena Township, and to a lesser extent Ossineke. Population density in Alpena County from 1970 - 1990 increased between 0 - 75% (See maps in Attachment C). However, during this same period, the City of Alpena experienced a decline in population as people moved out into Alpena Township. Between 1990 - 1994, the percentage change in population density increased between 1 - 6%, with the exception of Sanborn and Wellington Townships which experienced a decline.

Industrial development continues to be located primarily in the City of Alpena with new development occurring northeast of the City in Alpena Township.

Housing units, an indicator of seasonal population, saw a 25 - 125% increase in the county from 1970 - 1980. From 1980 - 1990, housing units increased overall, although at a slower rate, except in Maple Ridge Township where housing units declined.

POPULATION PROJECTIONS

	1995	2000	2005	2010
Alpena County	31664	32554	33622	34567
City of Alpena	11747	12077	12473	12824
Alpena Twp	9910	10189	10523	10819
Green Twp	1140	1172	1210	1244
Long Rapids Twp	1045	1074	1109	1140
Maple Ridge Twp	1583	1627	1681	1728
Ossineke Twp	1710	1757	1815	1866
Sanborn Twp	2248	2311	2387	2454
Wellington Twp	316	325	336	345
Wilson Twp	1963	2018	2084	2143

Source: Michigan Department of Management and Budget

In summary, population has increased in Alpena County and it is anticipated that this trend will continue at a steady pace. The trend of increased housing, an indicator of seasonal population, is also expected to continue as more people retire and move on a seasonal basis to less populated areas of the state.

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

Land use trends in Alpena County indicate residential development occurring in and around the City of Alpena, along lakes, streams, and adjacent to major roads. Commercial development occurs primarily in the City of Alpena, Alpena Township and along roads. Industrial development is primarily located in the City of Alpena, and northeast of the City of Alpena in Alpena Township. Overall, agriculture is slightly declining in the county. Wetlands and forested lowlands account for approximately 1/3 of the total land use.

Future trends indicate that residential development will continue to follow roads and will most likely occur on nonforest, upland forests, and agricultural lands. Commercial and industrial development will be concentrated outside the City of Alpena in Alpena Township. Second home development will steadily increase as more people retire and move north. This will continue the trend of splitting off large parcels into smaller 5 and 10 acre sites.

DATA BASE - SOLID WASTE MANAGEMENT ALTERNATIVES (attach additional pages as necessary)

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

Each solid waste management alternative for Alpena County was assessed based on the following:

- Technical Feasibility
- Economic Feasibility
- Access to Land
- Access to Transportation
- Effects on Energy
- Environmental Impacts
- Public Acceptability
- Conservation of Natural Resources

The majority of the selected alternatives focus on either sanitary landfilling, transfer stations, recycling, composting or combinations of each. A brief review of each follows:

Sanitary Landfilling

Sanitary landfilling is a cost-effective system in northern Michigan when implemented on a multi-county basis. Present landfill sites exist and the public is accustomed to their location and costs. Potential environmental risks include groundwater contamination.

Modular Incineration

Conversion of solid waste to energy is very attractive, however, a lack of markets makes this alternative prohibitively costly. Air pollution has also been problematic at existing facilities.

Volume Reduction

Volume reduction benefits from large scale shredding and baling of solid waste is not cost-effective since the region has excess landfill capacity and the cost of equipment is extremely high. For vehicle volume reduction, the rear loading packer truck is the most cost-effective vehicle for the region.

Transfer Stations

Transfer stations can be a very cost-effective method of transporting solid waste in rural areas or when long hauls are necessary to dispose of solid waste at a multi-county landfill.

Recycling

Recycling rates high public acceptability. Volume reduction through recycling and composting can be achieved in Alpena County, however, with the current markets, subsidy for program success will be necessary. A multi-county recycling effort would be most cost-effective for the region. Alpena County could operate their program independent of other counties, however, the more volume of materials the better chances of a break-even operation. Recycling of specific materials continues to be cost-effective for certain businesses and industries.

Composting

Composting is the least costly and energy intensive method of disposing of solid waste, especially in a rural region. Composting provides a reusable resource within economic value, and can be implemented individually or on a county-wide basis.

SELECTED ALTERNATIVE: MONTMORENCY-OSCODA SANITARY LANDFILL SERVING ALPENA, MONTMORENCY AND OSCODA COUNTIES

This alternative utilizes the Montmorency-Oscoda Sanitary Landfill (MOSL) for the next 10 year planning period. This alternative assumes that all residential and commercial solid waste generated in the county will be disposed of at the MOSL and industrial solid waste at MOSL or the Waste Management, Inc Landfill in Waters. The City of Alpena's Transfer Station, an integral component of the system, will continue to provide drop-off services to residents of the city and county. Opportunities will be explored for expanded services and partnerships between the City and County of Alpena. The county, in partnership with the City of Alpena, Townships, Evergreen Recycling, solid waste haulers and the MOSL Authority, will develop and implement a recycling program for use by its residents (See Appendix, page 64, for details of recycling program development and implementation). The program will involve a phased approach, over the five-year planning period to achieve a full-scale multi-county recycling program. Phase One involves the establishment and placement of drop-off sites by June of 1999 in the City of Alpena, and Alpena Township. Funding for the containers will be sought locally, through an "Adopt-A-Container" program and local foundations. Local manufacturing of the containers is being pursued and will involve containers manufactured on trailers for ease of handling. Community Mental Health will also provide consumer assistance at dropoff sites for weekly maintenance and oversight. Processing of the materials from these sites will initially be at the current Evergreen Recycling center. Provisions are currently being assessed for additional onsite storage and equipment. Short and long-term funding plans will be developed and are likely to include a combination of the following: a two-year millage for program start-up costs, a surcharge for long-term support of operation, grant procurement from community foundations and state and federal sources, and local donations. Education will be initially with the assistance of the existing agencies, and the MOSL Authority – Multi-County Recycling Committee known as the Northeast Michigan Recycling Alliance. Phase Two will involve program development into outlying areas of Alpena County and surrounding counties. Additional drop-off sites will be added as funding is procured and sites are selected. As material volume increases, plans will concurrently be made to obtain a facility that will serve the needs and future needs of the four county area. Additionally, as the program grows, the counties will explore staffing requirements. Consulting services as well as a program coordinator may become a necessary component of the program. Local, state, and federal sources of funding will be sought for program implementation. The program may include surrounding counties to increase efficiency and materials volume. Composting facilities operated by the City of Alpena will be upgraded and available for city residents use. Backyard composting programs will be promoted for the rest of the unpopulated portions of the county.

Technical Feasibility

The technical feasibility of sanitary landfilling is well proven and the most utilized system of solid waste management in the U S.

Economic Feasibility

The economic feasibility of selecting this system will require Alpena County to jointly own and operate, along with Montmorency and Oscoda counties, the new landfill cell currently in the process of permit approval (Montmorency and Oscoda counties do not generate enough solid waste on their own to continue to operate the landfill). The new landfill cell is currently in the process of obtaining permit

approval with an estimated construction cost of 2.4 million dollars. Based on projections of a minimum of 145,000 yds³ annually and current conditions the MOSL Authority anticipates the tipping fee to be in the range of \$10 to \$12/yds³ for the next five years (See Attachment F)

Access to Land

The original landfill is situated on a 40 acre site and currently are in their last cell. The counties obtained an additional 40 acres for landfill expansion. The estimated refuse volume of the site is 3,500,000 cubic yards or 20+ years capacity for the three counties.

Access to Transportation

Access to the landfill is via County Road 487. County Road 487 intersects M-32 in Atlanta five miles north of the landfill and County Road 612 two miles south of the landfill. M-32 has recently been undergoing safety and surface improvements over the years. Weight restrictions are in effect, especially during spring, for M-32, County Roads 487 and 612. Weight restrictions can severely limit solid waste transportation to the landfill.

Effects on Energy

Sanitary landfilling is an energy intensive system. The disposal of materials which required energy to produce, also require energy to transport to the site and energy to mechanically cover the materials daily. Some energy is conserved by utilizing transfer stations in the more rural areas.

Environmental Impacts

Since this alternative utilizes an existing site, initial environmental impacts have not been considered. The negative environmental impacts primarily concern the development of leachate within the site and the contamination of groundwater. Methane gas can also be a concern, however, technology exists for utilization of gas for operations.

Public Acceptability

Public acceptability for this alternative is expected to be good as it reduces the dependency on landfills by initiating a recycling program and it will keep choices for solid waste collection available to the general public.

Conservation of Natural Resources

Conservation of natural resources will occur through the initiation of a county recycling program, and increasing the City of Alpena and backyard composting programs.

NON-SELECTED ALTERNATIVE: WASTE MANAGEMENT, INC SANITARY LANDFILLS SERVING ALPENA COUNTY

This alternative utilizes Waste Management, Inc Landfills in Waters, Crawford County and Onaway, Presque Isle County for the next 10 year planning period. This alternative assumes that all solid waste generated in the county will be disposed of at the landfills. Recycling and composting will be an integral component of this system. The county, along with the private sector and concerned public will develop a recycling program for use by its residents. It is anticipated that the program will involve surrounding counties to increase efficiency and materials volume. Composting facilities operated by the City of Alpena will be upgraded and available for city residents use. Backyard composting programs will be promoted for the rest of the unpopulated portions of the county.

Technical Feasibility

The technical feasibility of sanitary landfilling is well proven and the most utilized system of solid waste management in the U.S.

Economic Feasibility

The economic feasibility of selecting this system will involve no financial commitment on the part of Alpena County. However, local haulers currently serving Alpena County would be at an economic disadvantage with Waste Management, Inc's hauling service and landfill business. It is conceivable that local haulers would no longer be able to competitively operate, leaving Waste Management, Inc as the primary hauling service and landfill disposal sites.

Access to Land

Waste Management, Inc Landfill in Waters is situated on a 252 acre site which 79.07 acres are permitted and 9.7 acres in operation.

Access to Transportation

Access to the Waters Landfill in Crawford County is via M-32 to I-75. Distance from Alpena to this landfill is approximately 110 miles. The Elk Run Sanitary Landfill in Onaway is accessed via M-32 to M-33 and is approximately 65 miles from Alpena County. Weight restrictions are in effect, especially during spring, for M-32, M-33, and County Road 612. Weight restrictions can severely limit solid waste transportation to the landfill.

Effects on Energy

Sanitary landfilling is an energy intensive system. The disposal of materials which required energy to produce, also require energy to transport to the site and energy to mechanically cover the materials daily. Some energy is conserved by utilizing transfer stations in the more rural areas.

Environmental Impacts

Since this alternative utilizes an existing site, initial environmental impacts have not been considered. The negative environmental impacts primarily concern the development of leachate within the site and the contamination of groundwater. Methane gas can also be a concern, however, technology exists for utilization of gas for operations.

Public Acceptability

Public acceptability for this alternative would be poor as it is anticipated that collection service options would be reduced and residential and commercial rates would increase.

Conservation of Natural Resources

Conservation of natural resources will occur through initiating a county recycling program, increasing participation in the City of Alpena's composting program and promoting backyard composting programs.

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 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 A. Following is an overall description of the Selected System:

Selection of the solid waste management system was based on the system that would be best for the residents of Alpena County. Considerations included residents maintaining commercial service options and enhancing recycling and composting opportunities. The selected system provides the ability to maintain the current collection services, utilizes the Alpena Transfer Station, initiates a resource recovery program, and utilizes the MOSL as the primary disposal site for residential, commercial, and industrial solid waste, as well as the Waste Management Landfill in Waters, MI for industrial waste, only.

Commercial service providers will provide residential, commercial, and industrial pick up in Alpena County. Collection of solid waste will continue to be through private agreements with customers.

The Alpena Transfer Station, an integral component of the system, will continue to provide drop-off services to residents, contractors, and businesses of the city and county. Though it is underutilized by solid waste haulers, the transfer station provides a valuable service to county residents as a local disposal site. The County, along with the City of Alpena and the Montmorency-Oscoda Landfill Authority will explore options to develop a partnership for future continued use, to increase the utilization of the transfer station by haulers.

The primary solid waste disposal facility will be the Montmorency-Oscoda Sanitary Landfill for residential, commercial and industrial waste. In addition, Waste Management, Inc Landfill in Waters may also be utilized as a primary disposal site for industrial waste only. Contingency disposal will be at the Waste Management, Inc. Landfill in Waters, and the Whitefeather Landfill in Bay County, Michigan. The decision to export Alpena County's solid waste to MOSL was based on a variety of factors including the following: proximity of the landfill to Alpena County, economics, environmental considerations, public health, and siting. An equally important consideration was the fact that MOSL is the landfill utilized by the majority of the haulers. Waste Management, Inc owns and operates its own landfills in Waters and Onaway and provides hauling service throughout northeast Michigan. A primary concern of the majority of the Alpena County Solid Waste Planning Committee was to ensure the existence of a competitive marketplace. Maintaining the MOSL will achieve the goal of maintaining a competitive marketplace for northeast Michigan.

Resource recovery efforts will involve the development and implementation of a recycling program (See Appendix, page 64, for details of recycling program development and implementation) The county, in partnership with the City of Alpena, Townships, Evergreen Recycling, solid waste haulers and the MOSL Authority, will develop and implement a recycling program for use by its residents The program will involve a phased approach, over the five-year planning period to achieve a full-scale multi-county recycling program. Phase One involves the establishment and placement of drop-off sites by June of 1999 in the City of Alpena, and Alpena Township Funding for the containers will be sought locally, through an "Adopt-A-Container" program and local foundations. Local manufacturing of the containers is being pursued and will involve containers manufactured on trailers for ease of handling Community Mental Health will also provide consumer assistance at dropoff sites for weekly maintenance and oversight. Processing of the materials from these sites will initially be at the current Evergreen Recycling center. Provisions are currently being assessed for additional onsite storage and equipment Short and long-term funding plans will be developed and are likely to include a combination of the following: a two-year millage for program start-up costs, a surcharge for long-term support of operation, grant procurement from community foundations and state and federal sources, and local donations. Education will be initially with the assistance of the existing agencies, and the Northeast Michigan Recycling Alliance Phase Two will involve program development into outlying areas of Alpena County and surrounding counties Additional drop-off sites will be added as funding is procured and sites are selected. As material volume increases, plans will concurrently be made to obtain a facility that will serve the needs and future needs of the four county area Additionally, as the program grows, the counties will explore staffing requirements Consulting services as well as a program coordinator may become a necessary component of the program Local, state, and federal sources of funding will be sought for program implementation The program may include surrounding counties to increase efficiency and materials volume

Resource recovery efforts will also involve establishing a household and agricultural hazardous waste collection day to provide a safe disposal option for homeowners and farmers hazardous materials. Additionally, composting efforts will be enhanced through educational efforts and the establishment of additional sites if warranted. The existing composting facility in the City of Alpena will continue to be utilized and improved and educational efforts will emphasize backyard composting techniques for those residing in rural areas of the county

SELECTED SYSTEM

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

Exporting County	Importing County	Facility Name¹	Authorized Quantity/ Daily	Authorized Quantity/ Annual	Authorized Conditions²
Presque Isle	Alpena	Alpena Transfer Station	100%	100%	P
Alcona	Alpena	Alpena Transfer Station	100%	100%	P

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

SELECTED SYSTEM

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

Exporting County	Importing County	Facility Name¹	Authorized Quantity/ Daily	Authorized Quantity/ Annual	Authorized Conditions²
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NOT APPLICABLE IN ALPENA COUNTY WITHIN THE 5 YEAR PLANNING PERIOD

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 Name¹	Authorized Quantity/ Daily	Authorized Quantity/ Annual	Authorized Conditions²
Alpena	Montmorency	MOSL	100% Residential 100% Commercial 100% Industrial	100% Residential 100% Commercial 100% Industrial	P
Alpena	Crawford	Waste Management, Inc	100 %	100%	C
Alpena	Bay	Whitefeather	100 %	100%	C
Alpena	Crawford	Waste Management, Inc.	100% Industrial	100% Industrial	*O

1045 103 N

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 Attachment E

SELECTED SYSTEM

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
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SUFFICIENT CAPACITY EXISTS IN LANDFILLS IN NORTHERN MICHIGAN

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-7-1 through III-7-5 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 II Landfill:

Montmorency-Oscoda Sanitary Landfill
(residential, commercial, industrial)

Waste Management, Inc Landfill in Waters, MI
(Industrial waste only)

Whitefeather Development Co. Landfill

Type III Landfill:

Lafarge Landfill

Type A Transfer Facility:

City of Alpena Transfer Station

Type B Transfer Facility:

Processing Plant:

Evergreen Recycling

Incinerator:

Waste Piles:

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 Attachments Section.

SELECTED SYSTEM

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Montmorency-Oscoda Sanitary Landfill

County: Montmorency

Location: Town: 29N

Range: 3E

Section(s): 6

Map identifying location included in Attachment Section: Yes

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

Owner: Publicly owned by Montmorency and Oscoda Counties

<u>Operating Status (check)</u>	<u>Waste Types Received (check all that apply)</u>
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input checked="" type="checkbox"/> construction permit	contaminated soils
<input type="checkbox"/> open, closure pending	special wastes *
	other:

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

Site Size:

Total area of facility property:	80	acres ¹
Total area sited for use:	80	acres
Total area permitted:	80	acres
Operating:	3-4	acres
Not excavated:	37-40	acres

Current capacity:	3,500,000	yds ³
Estimated lifetime:	30	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	145,000	yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: Will be adding recovery in future

Waste-to-energy incinerators: NA megawatts

¹ Currently in the process of obtaining a construction permit for a new cell
NA -- Not Applicable

FACILITY DESCRIPTIONS -- Contingency Landfill

Facility Type: Type II Sanitary Landfill

Facility Name: Waste Management Inc. of Waters

County: Crawford

Location: Town: 28 N

Range: 8 E

Section(s): 4

Map identifying location included in Attachment Section: Yes

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

Owner:

<u>Operating Status (check)</u>	<u>Waste Types Received (check all that apply)</u>
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, closure pending	<input checked="" type="checkbox"/> special wastes *
	other:

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

Site Size:

Total area of facility property:	252.2	acres
Total area sited for use:	252.2	acres
Total area permitted:	79.07	acres
Operating:	9.7	acres
Not excavated:	64.87	acres
Current capacity:	8.2 million	yds ³
Estimated lifetime:	+ 20	years
Estimated days open per year:	313	days
Estimated yearly disposal volume:	185,000-200,000	yds ³

Annual energy production:

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

NA -- Not Applicable

FACILITY DESCRIPTIONS -- Contingency Landfill

Facility Type: Type II Sanitary Landfill

Facility Name: Whitefeather Development Co. Landfill

County: Bay

Location: Town:

Range:

Section(s):

Map identifying location included in Attachment Section: No

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

Owner:

<u>Operating Status (check)</u>	<u>Waste Types Received (check all that apply)</u>
<input checked="" type="checkbox"/> open	<input checked="" type="checkbox"/> residential
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> commercial
<input checked="" type="checkbox"/> licensed	<input checked="" type="checkbox"/> industrial
<input type="checkbox"/> unlicensed	<input checked="" type="checkbox"/> construction & demolition
<input type="checkbox"/> construction permit	<input checked="" type="checkbox"/> contaminated soils
<input type="checkbox"/> open, closure pending	<input checked="" type="checkbox"/> special wastes *
	other:

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

Site Size:

Total area of facility property:	106	acres
Total area sited for use:	56.5	acres
Total area permitted:	56.5	acres
Operating:	24.5	acres
Not excavated:	32	acres

Current capacity:	4,175,153	yds ³
Estimated lifetime:	18.8	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	380,000	yds ³

Annual energy production:

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

NA -- Not Applicable

SELECTED SYSTEM

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION:

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

Residential, commercial and industrial solid waste will continue to be collected by private haulers. Curbside collection service by private haulers will continue to be the primary means of residential solid waste collection. Commercial and industrial solid waste generators will continue to utilize private haulers for their solid waste collection and disposal needs. The existing Type A Transfer Station is an integral part of the system and will continue to be operated as a drop off site for the general public and for contractor's solid waste. Opportunities will be explored for expanded services at the Transfer Station and possible partnership arrangements between the City, County and MOSL Authority for Transfer Station operations. Existing transportation routes will continue to be utilized to transport solid waste to MOSL. The major roads utilized are M-32 to M-33. Measures to improve the efficiency of the collection system will continue to be explored by the City of Alpena, Alpena Township and Alpena County.

SELECTED SYSTEM

RESOURCE CONSERVATION EFFORTS:

The following describes the selected systems 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		
	<u>Current</u>	<u>5th yr</u>	<u>10th yr</u>
Recycling	12	1139	3184
Education	Negligible	771	1541
Composting	167	467	1027

Alpena County is committed to resource conservation efforts to reduce the overall dependency on the landfill. Resource conservation efforts will involve the implementation of a countywide (possibly multi-county) recycling program, enhancement of the existing composting program, development of a recycled products procurement program, and the initiation of a comprehensive education program.

The county, in partnership with the City of Alpena, Townships, Evergreen Recycling, solid waste haulers and the MOSL Authority, will develop and implement a recycling program for use by its residents. The program will involve a phased approach, over the five-year planning period to achieve a full-scale multi-county recycling program. Phase One involves the establishment and placement of drop-off sites by June of 1999 in the City of Alpena, and Alpena Township. Funding for the containers will be sought locally, through an "Adopt-A-Container" program and local foundations. Local manufacturing of the containers is being pursued and will involve containers manufactured on trailers for ease of handling. Community Mental Health will also provide consumer assistance at dropoff sites for weekly maintenance and oversight. Processing of the materials from these sites will initially be at the current Evergreen Recycling center. Provisions are currently being assessed for additional onsite storage and equipment. Short and long-term funding plans will be developed and are likely to include a combination of the following: a two-year millage for program start-up costs, a surcharge for long-term support of operation, grant procurement from community foundations and state and federal sources, and local donations. Education will be initially with the assistance of the existing agencies, and the Northeast Michigan Recycling Alliance. Phase Two will involve program development into outlying areas of Alpena County and surrounding counties. Additional drop-off sites will be added as funding is procured and sites are selected. As material volume increases, plans will concurrently be made to obtain a facility that will serve the needs and future needs of the four county area. Additionally, as the program grows, the counties will explore staffing requirements. Consulting services as well as a program coordinator may become a necessary component of the program. Local, state, and federal sources of funding will be sought for program implementation.

Composting of municipal yard waste currently is being accomplished through the City of Alpena

Increasing the utilization of the existing finished product will be pursued as well as exploring the feasibility of expanding the current operations. Education of backyard composting methods will be emphasized for the rural component of the county

The use of recycled products is paramount to increasing the demand and resultant markets for recycled products. Alpena County will analyze the feasibility of procurement of recycled products. Joint purchasing between county organizations and departments will be explored as a means of making it locally affordable.

Public Education is a key component of the program. Public education will be accomplished in coordination with Evergreen Recycling, municipalities, MSU Extension, Conservation Districts, Natural Resource Conservation Service, and the Health Department, NEMCOG, and other area organizations. A committee will be established which, along with environmental groups, will be responsible for developing an organizational framework from which educational information will be disseminated to the public.

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		
	<u>Current</u>	<u>5 th yr</u>	<u>10 th yr</u>
Recycling	36	3417	9549
Composting	500	1050	2310

Recycling of materials will be conducted by utilizing a system involving a central processing facility with compartmentalized containers strategically located throughout the county. Alpena County will partner with Evergreen Recycling, a local recycling organization, which partners with Community Mental Health for workers. The majority of the recyclable materials will be dropped off by customers either at the central processing site or at any of the drop-off sites in the county. Limited curbside service will be offered by Evergreen Recycling. The containers will be picked up and brought to the Central Processing facility for processing and shipping. An educational program will be provided to increase the awareness of the program and to encourage participation and procurement of recycled products.

Composting efforts will involve the enhancement of the current City of Alpena program and the promotion of backyard composting techniques. Additional composting will be explored if it is determined a need exists.

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.

Recycling Portion of Wastestream

<u>Material</u>	<u>%</u>	<u>2005</u>	<u>5% Goal</u>	<u>2010</u>	<u>10% Goal</u>
Paper	40	18,698 T/Yr	935 T/Yr	20,550 T/Yr	2,055 T/Yr
Plastics	10	1,866 T/Yr	93 T/Yr	5,137 T/Yr	513 T/Yr
Glass	5	933 T/Yr	46 T/Yr	2,568 T/Yr	256 T/Yr
Metals	6	1,121 T/Yr	56 T/Yr	3,081 T/Yr	308 T/Yr
Aluminum	1	186 T/Yr	9 T/Yr	513 T/Yr	51 T/Yr

Composting:

	<u>2005</u>	<u>25% Goal</u>	<u>2010</u>	<u>50% Goal</u>
4% of Wastestream	1,869 T/Yr	466 T/Yr	2,054 T/Yr	1,026 T/Yr

Education

5 Year Goal = 5% Reduction of solid waste through educational efforts

10 Year Goal = 5% Reduction of solid waste through educational efforts.

The above chart shows the type and volume of material that potentially may be available for recycling and composting. The overall goal of the resource recovery program is to reduce dependency on landfills. Public support for the development and implementation of a resource recovery program in Alpena County is high. It is understood that in order to implement a program, financial support is necessary. However, if the presently good economic conditions change, then support for implementing a program could diminish. However, the benefits of reducing the amount landfilled and the savings derived from the reuse and recycling of materials have direct social, environmental and economic benefits.

Impediments to recycling include the following:

- * Long Distance to Markets
- * Unavailable Markets
- * Local Financial Support

It is anticipated that the above impediments to recycling can be overcome by increasing the volume of materials. This can be accomplished through the development of a multi-county approach. In addition, the program will strive to achieve a high quality, dependable product. This will attract long term relationships with markets dependant on volume and quality recyclable materials.

The City of Alpena currently operates a composting program for its residents. The program involves the collection of leaves in the fall and delivery to the City's Composting site. The product is then sold for \$7.00 per yard. Increased utilization of the product and possible expansion of the program will be the focus of the composting program. Various aspects will be reviewed, such as nursery expansion, operations, efficiency and the development of an education outreach program. The remaining portion of the county is primarily rural. Backyard composting is the best method for leaf and yard waste disposal and will be promoted through educational outreach.

Elimination of household hazardous materials in the solid waste stream is a high priority for Alpena County. In coordination with the recycling program, a battery disposal program will be pursued. A household hazardous waste day will be developed in coordination with the landfill authority and adjacent counties. Funding mechanisms will be explored for program implementation.

Recycling programs within the County are feasible. Details of existing and planned program 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:

TABLE III-2

EXISTING COMPOSTING

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
City of Alpena	City of Alpena	Public	C	w Sp Su Fa	G L W	3	3	3

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 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24)
 3 Identified by c = curbside; d = dropoff; 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 25.

TABLE III-3

EXISTING 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.

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>

NONE

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 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24)
 3 Identified by c = curbside; d = dropoff; 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 and antifreeze; AN = antifreeze; B1 = lead acid batteries; B2 = household batteries; C = cleaners and polishes; 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

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-18, 19, & 20 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-21, 22, & 23 list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

Various recycling programs were reviewed prior to the selection of the selected program. The Solid Waste Planning Committee held several meetings on the development of a recycling program for the county. A meeting was held and advertised in the Alpena News to obtain input from additional interested parties. Two recycling tours were then conducted of the Emmet County Recycling Center.

After reviewing options, it was decided that the county, in partnership with the City of Alpena, Townships, Evergreen Recycling, solid waste haulers and the MOSL Authority, would develop and implement a recycling program based on the Emmet County Recycling Center with drop-off sites and materials taken to a central processing facility (See Appendix, page 64, for details of recycling program development and implementation). Phase One involves the establishment and placement of drop-off sites by June of 1999 in the City of Alpena, and Alpena Township. The drop-off sites will be selected based on convenience for the majority of the people in the county. Compartmentalized containers will be strategically located throughout the county. Collection of the containers will be conducted on a weekly or bi-weekly basis and taken to the central processing site for baling and shipping. Community Mental Health will also provide consumer assistance at dropoff sites for weekly maintenance and oversight. Processing of the materials from these sites will initially be at the current Evergreen Recycling center. Phase Two will involve program development into outlying areas of Alpena County and surrounding counties. Additional drop-off sites will be added as funding is procured and sites are selected. As material volume increases, plans will concurrently be made to obtain a facility that will serve the needs and future needs of the four county area. Additionally, as the program grows, the counties will explore staffing requirements. Consulting services as well as a program coordinator may become a necessary component of the program.

Short and long-term funding plans will be developed and are likely to include a combination of the following: a two-year millage for program start-up costs, a surcharge for long-term support of operation, grant procurement from community foundations and state and federal sources, and local donations. Funding for the containers will be sought locally, through an "Adopt-A-Container" program and local foundations. Grant funding from State and Federal sources will be pursued for equipment purchase. Local, state, and federal sources of funding will be sought for program implementation.

The focus of the composting program will be to increase utilization of the existing program operated by the City of Alpena and to increase the use of the compost product. In the rural portions of the county, backyard composting for leaf and yard waste disposal and will be promoted through educational outreach.

TABLE III-1

EXISTING RECYCLING

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Evergreen Recycling	Alpena County	Private	d		A B E D F	5	5	5

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

1 Identified by where the program will be offered. If throughout the planning area then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county.
 2 Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24)
 3 Identified by c = curbside; d = dropoff; 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 25.

TABLE III-4

PROPOSED RECYCLING

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Development</u>	<u>Responsibilities</u> ² <u>Operation</u>	<u>Evaluation</u>
Alpena County	Alpena County	Private & Public	c d	w	A B C E F	2 5	2 5	2 5

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

1 Identified by where the program will be offered. If throughout the planning area then listed by planning area; if only in specific counties, then listed by county; if only in specific municipalities, then listed by its name and respective county
 2 Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24).
 3 Identified by c = curbside; d = dropoff; 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 25.

TABLE III-5

PROPOSED COMPOSTING

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
Alpena County	City of Alpena	Public	c	Fa	L G W	2 City of Alpena	3	2 City of Alpena

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 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24)
 - 3 Identified by c = curbside; d = dropoff; 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 25.

TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public/ Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Development</u>	<u>Operation</u>	<u>Responsibilities</u> ² <u>Evaluation</u>
Alpena County	Alpena County	Public	d	Su	AR A AN B2 C H P PS PH	2	2	2
					(To be Determined)			

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 24); 5 = Private Owner/Operator; 6 = Other (Identified on page 24).
 3 Identified by c = curbside; d = dropoff; 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 and 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.

SELECTED SYSTEM

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

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

Environmental Groups:

Local environmental groups will be asked to participate in education outreach.

Thunder Bay Watershed Council

Other:

Evergreen Recycling: Recycling Program Operation and Management

City of Alpena: Municipal Composting Program

Health Department: Household Hazardous Waste Program, Education Dissemination

Alpena County: Recycling Program, Funding and Program Development

NRCS: Education Dissemination

MSU Extension: Education Dissemination

Future Farmers of America: Composting

Townships: White Goods Program

Alpena County SCD: Education Dissemination

SELECTED SYSTEM

PROJECTED DIVERSION RATES:

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

<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>			<u>Collected Material:</u>	<u>Projected Annual Tons Diverted</u>		
	Current	5th Yr	10th Yr		Current	5th Yr	10th Yr
A TOTAL PLASTICS:	93	513		G GRASS AND LEAVE			
B NEWSPAPER:	56	123		Total For G & H =	75	466	1026
C CORRUGATED CONTAINERS:	93	205		H. TOTAL WOOD WASTE:			
D TOTAL OTHER PAPER:	736	1727		I. CONSTRUCTION AND DEMOLITION:			
E TOTAL GLASS:	46	256		J FOOD AND FOOD PROCESSING:			
F OTHER MATERIALS:				K TIRES:			
F1				L. TOTAL METALS:			
F2				F3			
				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.

<u>Collected Material:</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>	<u>Collected Material</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>
----------------------------	-------------------------	-----------------------------	---------------------------	-------------------------	-----------------------------

Sufficient markets exist for properly sorted and baled materials: plastics, newspaper, metal, corrugated cardboard and glass.

A TOTAL PLASTICS:	G. GRASS AND LEAVES:
B NEWSPAPER:	H. TOTAL WOOD WASTE:
C CORRUGATED CONTAINERS:	I. CONSTRUCTION AND DEMOLITION:
D. TOTAL OTHER PAPER:	J. FOOD AND FOOD PROCESSING
E TOTAL GLASS:	K TIRES:
F OTHER MATERIALS:	L. TOTAL METALS:
F1	F3
F2	F4

SELECTED SYSTEM

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

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

<u>Program Topic</u> ¹	<u>Delivery Medium</u> ²	<u>Targeted Audience</u> ³	<u>Program Provider</u> ⁴
1	R, T, N, O, F, E	p, b, i, s = K-12	EX, HD, DPA, OO= Evergreen Recycling, EG= Thunder Bay Watershed Council
2	N, O, F, E	p	EX, HD, O=City of Alpena, Alpena SCD, NRCS
3	R, T, N, O, F	p	HD
4	N, O, F, E	p	EX, DPA, HD, OO= Evergreen Recycling, EG= Thunder Bay Watershed Council, O=City of Alpena, Alpena County, Alpena SCD, NRCS
5	N, O, F, E	p	EX, DPA, HD, OO= Evergreen Recycling, EG= Thunder Bay Watershed Council, O=City of Alpena, Alpena County, Alpena SCD, NRCS

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.

SELECTED SYSTEM

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

<u>Management Components</u>	<u>Timeline</u>
Recycling Program	
Program Development	1998-1999
Program Implementation	1998-Ongoing
Resource Conservation Education Program	
Recycling Education Program Development	1998-1999
Recycling Education Program Implementation	1998-Ongoing
Composting Education Program Development	1998-1999
Composting Education Program Implementation	1999-Ongoing
Household Hazardous Waste Education Program Development	1998-1999
Household Hazardous Waste Education Program Implementation	1999-Ongoing
Reduce, Reuse Education Program Development	1998-1999
Reduce, Reuse Education Program Implementation	1999-Ongoing
Household Hazardous Waste Disposal Program	
Program Development	1998-1999
Program Implementation	2000-Ongoing
Composting Program	
Program Development	1998-1999
Program Implementation	2000-Ongoing
Township Clean-up Day Program	
Program Development	1998-1999
Program Implementation	2000-Ongoing

SELECTED SYSTEM

SITING REVIEW PROCEDURES

AUTHORIZED DISPOSAL AREA TYPES

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

Type II Sanitary landfills may not be sited by this plan

Construction of any Type A or Type B Transfer Facility is consistent with this plan

Construction of a Resource Recovery Processing Facility is consistent with this plan

Construction of a Type III Landfill is consistent 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.

1. Proposals for all new disposal areas must be found consistent with the criteria contained in this section before a determination of consistency may be issued. Proposals for a disposal area type not allowed by the Plan are automatically inconsistent with the Plan unless specifically added to the Plan through a properly approved Plan amendment
2. Solid waste facility siting proposals will be reviewed for consistency with the Plan by the designated planning agency (DPA) and approved by the county solid waste planning committee according to the procedures outlined herein. A proposal that is declared to be consistent with the Plan shall become part of the Plan upon issuance of a construction permit by the DEQ
3. To initiate the review under this Plan, the facility developer shall submit the information required below to the county DPA, County Board of Commissioners, Health Department, township and municipality where the siting will occur. A reasonable number of additional copies may be required at the discretion of the DPA.
4. A non-refundable application fee will be established by the Alpena County Board of Commissioners. This fee will be reasonable and based on technical assistance time and travel needed to complete the application review.
5. Upon receipt of the application and the non-refundable application fee, the DPA shall review the application for administrative completeness in accordance with the requirements listed in subparts A to E below. If it is not complete, the developer shall be notified and shall have 30 working days to provide additional information to make the application complete. After all requested information has been submitted by the developer, the DPA will have 30 working days to review the application. If no determination is made within 30 working days, the application shall be considered administratively complete.

A. The application shall include a name, address, and telephone number for: the applicant (including partners and other ownership interests), the property owner(s) of the site, any consulting engineers and geologists that will be involved in the project, a designated contact person for the facility developer (if different than the applicant), and shall specify the type of facility being proposed

B. The application shall contain information on the site location and orientation. This shall include a legal land description of the project area, a site map showing all roadways and principal land features within two miles of the site, a topographic map with contour intervals of no more than 10 feet for the site, a map and description of all access roads showing their location, type of surface material, proposed access point to facility, haul route from access road to nearest state trunkline, a current map showing the proposed site and surrounding zoning, domiciles, and present usage of all property within one mile of the site.

C. The application shall contain a description of the current site use and ground cover, a map showing the locations of all structures within 1,200 feet of the perimeter of the site, the location of all existing utilities, the location of the 100 year floodplain as defined by Rule 323.311 of the administrative rules of Part 31, Water Resource Protection, of Act 451, as amended, within 1,200 feet of the site, location of all wetlands as defined by Part 303, Wetlands Protection, of Act 451 within 1,200 feet of the site, and the site soil types and general geological characteristics.

D. The application shall contain a description of the operations of the facility and shall provide information indicating the planned annual usage, anticipated sources of solid waste and the facility life expectancy.

E. If necessary to satisfy the requirement of criteria N, a signed agreement indicating the willingness of the developer to provide for road improvements and/or maintenance.

6. Upon receipt of the application, the county Board of Commissioners, the Health Department, the township and the municipality shall review the application and send their recommendations and comments to the DPA. Within 90 days from the date the application is determined to be administratively complete, the DPA shall complete the consistency review and make their recommendations to the county solid waste management planning committee who shall send the county's written final determination of consistency for the proposal to the applicant. In the event that the DPA or the county solid waste planning committee does not make a consistency determination within 90 days from the date of application the proposal is automatically found consistent with the plan. To be found consistent with the Plan, a proposed solid waste disposal area must comply with all the siting criteria and requirements describe in subparts A to N below.

A. If Alpena County has 66 months of disposal capacity available for all waste generated in the county, the county may, at its discretion, refuse to allow this siting procedure to be used.

B. The active work area for a new facility or expansion of an existing facility shall not be located closer than 1,000 feet from adjacent property lines, road rights-of-way, lakes, and perennial streams.

C. The active work area for a new facility or expansion of an existing facility shall not be located closer than 1,000 feet from domiciles or public schools existing at the time of

submission of the application.

D. A sanitary landfill shall not be constructed within 10,000 feet of a licensed airport runway

E. A facility shall not be located in a 100 year floodplain as defined by Rule 323.311 of the administrative rules of Part 31, Water Resources Protection, of Act 451.

F. A facility shall not be located in a wetland regulated by Part 303, Wetlands Protection, of Act 451, unless a permit is issued.

G. A facility shall not be constructed in lands enrolled under Part 361, Farmland and Open Space Preservation, of Act 451.

H. A facility shall not be located in a sensitive environmental area (wetlands, steep slopes exceeding 15 %, high risk erosion areas) as defined by Section 32301 of Part 323, Shorelands Protection and Management, of Act 451, or in areas of unique habitat as defined by the Department of Natural Resources, Natural Features Inventory

I. A facility shall not be located in an area of groundwater recharge as defined by the United States Geological Survey or in a designated Wellhead protection area as approved by the DEQ

J. A Facility shall not be located in a designated historic or archaeological area defined by the state historical preservation officer

K. A facility shall not be located or permitted to expand on land owned by the United States of America or the State of Michigan. Disposal areas may be located on State land only if both of the following conditions are met:

a. Thorough investigation and evaluation of the proposed site by the facility developer indicates, to the satisfaction of the DEQ, that the site is suitable for such use.

b. The State determines that the land may be released for landfill purposes and the facility developer acquires the property in fee title from the State in accordance with state requirements for such acquisition.

L. Facilities may only be located on property zoned as agricultural, industrial, or commercial at the time the facility developer applies to the county for a determination of consistency under the Plan. Facilities may be located on unzoned property, but may not be located on property zoned residential.

M. The owner and operator of a facility shall agree to participate with the county on all current and future pollution prevention, recycling and composting activities. The owner and operator will provide a written statement of this agreement.

N. A Facility shall be located on a paved, all weather "class a" road. If a facility is not on such a road, the developer shall agree to provide for upgrading and/or maintenance of the road serving the facility. The developer will provide a written statement of this agreement.

7. If the proposal is found to be inconsistent with the Plan, the facility developer shall have 90 working days to provide additional information to address the identified deficiencies. The DPA will have 60 working days to determine consistency. The DPA may only determine consistency on such a

resubmittal in regards to the criteria originally found deficient. If no consistency determination has been rendered within 60 working days, the developer may request the DEQ to determine consistency of the proposal with the Plan as part of the DEQ review of a construction permit application.

8. In the event that the DPA or the county solid waste planning committee does not make a consistency determination within 60 days for the review of additional information, the proposal is automatically found consistent with the plan.

SOLID WASTE MANAGEMENT COMPONENTS

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.

Alpena County Board of Commissioners

The Alpena County Board of Commissioners shall be responsible for the implementation and enforcement of the Alpena County Solid Waste Management Plan. The Alpena County Board of Commissioners has an established Public Safety committee which will provide overall direction of the implementation process. The committee will provide oversight to ensure initiation of the public education and resource recovery program, and that objectives are met. The Public Safety committee reports to the County Board of Commissioners, with ultimate decision making resting with the Board of Commissioners.

The MOSL Authority will report to the Alpena County Board of Commissioners any potential violations in regards to solid waste disposal. The Public Safety committee will be responsible for reporting any potential violations to the Alpena County Board of Commissioners. The Alpena County Board of Commissioners may direct the Prosecutor to take such legal action as may be necessary to enforce the plan.

The Alpena County Board, with County Board approval shall take such actions as necessary to secure funds to provide for the implementation and enforcement of the plan including, but not limited too, applying for federal, state and foundation grants, or other funding sources that may be available, including the levy of a special millage, or solid waste surcharge.

The Alpena County Board of Commissioners is also responsible for any legislative actions that may be necessary to implement the goals of the plan. This includes such as: flow control, recycling incentives, special hazardous waste collection, and related policy in harmony with the state statute.

Northeast Michigan Council of Governments (NEMCOG)

NEMCOG will continue to provide assistance for solid waste planning and implementation for the Alpena County Board of Commissioners, as funds are available. NEMCOG will assist with grant writing to secure the funds for plan implementation, upon request. NEMCOG will continue to promote regional coordination with recycling and other resource recovery efforts. NEMCOG will seek grant funding to enable further assistance with multi-county recycling efforts. NEMCOG will continue to keep the Board updated on regional and statewide solid waste issues. NEMCOG is the designated planning agency for plan update.

Montmorency-Oscoda Sanitary Landfill Authority

The MOSL Authority will provide reports to the Alpena County Board of Commissioners on the landfill volumes and county origin on a monthly basis. The MOSL Authority will provide the institutional structure for the multi-county recycling effort. Efforts will continue by the landfill authority towards the implementation of resource recovery initiatives and household hazardous waste recovery programs. The Authority will coordinate funding efforts for resource recovery programs with the Alpena County Board of Commissioners

Evergreen Recycling, Inc

Evergreen Recycling, Inc will continue to work with the County and the Northeast Michigan Recycling Alliance to implement a multi-county recycling program. Evergreen Recycling, Inc. in partnership with Community Mental Health will provide consumers and recycling services to assist with material recovery.

Alpena County Soil Conservation District

The Alpena County Soil Conservation District will continue to provide a program for recycling of plastic pesticide containers. In addition, the District will provide technical assistance for public education, recycling, composting and natural resource conservation

District #4 Health Department

The Health Department will continue to play a significant role in education, recycling and enforcement. The Health Department will respond to requests and complaints regarding possible threats to the public health and safety from solid waste collection, processing and disposal facilities. They will also be involved in the development of a household hazardous waste collection program and will be a primary means of education dissemination to the public.

Natural Resource Conservation Service

The Natural Resource Conservation Service will assist with dissemination of information and literature regarding recycling, composting and household hazardous waste collection programs

MSU Extension

MSU Extension will assist with public educational and promotional programs necessary for implementing various components of the plan, including recycling, composting and household hazardous waste collection programs. MSU Extension will assist with dissemination of information and literature designed to inform the public on matters related to recycling, resource recovery, and conservation

*** Involvement is not limited to these groups.**

SELECTED SYSTEM

IDENTIFICATION OF RESPONSIBLE PARTIES

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

Resource Conservation: Will achieve through educational activities in partnership with local organizations, as previously mentioned.

Source or Waste Reduction -

Product Reuse -

Reduced Material Volume -

Increased Product Lifetime -

Decreased Consumption -

Resource Recovery Programs:

Composting –
City of Alpena
Alpena County

Recycling -
City of Alpena
Alpena County
Townships

Energy Production -
None

Volume Reduction Techniques:

MOSL
Alpena County

Collection Processes:

Alpena County
Municipalities

SELECTED SYSTEM

Transportation:

None

Disposal Areas:

Processing Plants –

Alpena County

Evergreen Recycling

City of Alpena

Townships

Landfill Authority

Incineration -

None

Transfer Stations -

City of Alpena

Alpena County

Sanitary Landfills -

Alpena County Board of Commissioners

Ultimate Disposal Area Uses:

Recreational uses

Local Responsibility for Plan Update Monitoring & Enforcement:

Alpena County Board of Commissioners

Solid Waste Planning Committee

MOSL Authority

Educational and Informational Programs:

NRCS

Alpena County Health Department

MSU Extension

Townships

Municipalities

Alpena County

Documentation of acceptance of responsibilities is contained in Appendix D

LOCAL ORDINANCES AND REGULATIONS AFFECTING SOLID WASTE DISPOSAL

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

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

Alpena County Solid Waste Flow Control Ordinance to restrict disposal of refuse generated in the County of Alpena. All residential and commercial solid waste in Alpena County will be disposed of at the MOSL. Industrial waste can be disposed of at either the MOSL or the Waste Management, Inc Landfill in Waters, MI.

Health Department: District #4 Sanitary Code

City of Alpena: No Burn ordinance, yard wastes must be composted.

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

A Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

B Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

C. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

D. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

E. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

X 3 This Plan authorizes adoption and implementation of local regulations governing the following subjects by the indicated units of government without further authorization from or amendment to the Plan

Regulations meeting these qualifications may be adopted and implemented by the appropriate governmental unit without additional authorization from, or formal amendment to, the Solid Waste Management Plan. Allowable areas of local regulation include:

- 1 Certain ancillary construction details, such as landscaping and screening
- 2 Hours of operation
- 3 Noise, litter, odor and dust control
- 4 Operation records and reports
- 5 Facility security
- 6 Composting and recycling (ie volume based pricing ordinance, no burn ordinance)
- 7 Local Franchising

CAPACITY CERTIFICATIONS

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

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

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

APPENDIX A

ADDITIONAL INFORMATION

REGARDING THE

SELECTED

SYSTEM

DETAILS OF RECYCLING PROGRAM DEVELOPMENT AND IMPLEMENTATION:

A. Establish a recyclable material collection drop-off system which is convenient for the general public by June, 1999. The materials to be recycled initially include: newspaper, office paper, corrugated, metal cans, plastic milk jugs, plastics #2, and glass.

Task 1: Determine the location of convenient drop-off sites for compartmentalized containers.

- a. Determine initial locations in the City of Alpena, and Alpena Township - Glen's, Neimann's, Wal-Mart, schools, industries
- b. Determine sites for outlying areas
- c. Obtain agreements to establish drop-off sites.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, and Evergreen Recycling

Assisting Agency: NEMCOG, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance

Timeframe: October 1998

Task 2: Develop a local funding mechanism for purchase of containers.

- a. Surcharge at Landfill
- b. Adopt-A-Container
- c. Submit grant to local foundations

Lead Agency: City of Alpena, Alpena County

Assisting Agency: NEMCOG, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance

Timeframe: October 1998 - March 1999

Task 3: Establish drop-off collection sites at five key locations.

- a. Place containers at key locations.
- b. Initiate a volunteer monitoring program to oversee drop-off sites.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance, Evergreen Recycling

Assisting Agency: NEMCOG

Timeframe: June, 1999

Task 4: Continue to procure funds to purchase and establish drop-off sites in outlying areas in Alpena County and in partnering counties, with all sites in place by the year 2000.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance, Evergreen Recycling

Assisting Agency: NEMCOG

Timeframe: June 1999 - December 2000

B. Hire the necessary personnel to oversee the development and operations of the recycling program.

Task 1. Determine the need for hiring a consultant on a part-time basis to assist with Systems Development.

- a Contact Emmet County for input on consultant needs.
- b Determine tasks for Consultant.

Lead Agency: City of Alpena, Alpena County, Townships, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance, Evergreen Recycling.

Assisting Agency:

Timeframe: October 1998 - November 1998

Task 2. Procure funding to hire a consultant if determined necessary.

- a Submit grant to Rural Development.
- b Meet with Landfill Authority on possible funding opportunities

Lead Agency: City of Alpena, Alpena County, Townships, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance, Evergreen Recycling

Assisting Agency:

Timeframe: December 1998

Task 3. Determine need/funding source for Recycling Coordinator position.

- a Meet to determine scope of work program and tasks associated with possible position.
- b Determine single or multi-county position
- c Explore possible funding sources, i.e. surcharge, millage.

Lead Agency: City of Alpena, Alpena County, MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance, Evergreen Recycling.

Assisting Agency:

Timeframe: January 1998

C. Establish a Central Processing Facility to serve the short-term and long-term needs of the County of Alpena and interested adjacent counties.

Phase One

Task 1: Upgrade the existing Evergreen Recycling Building to enable processing of Alpena County's recyclable materials by June, 1999.

- a. Determine equipment needs/costs.
 1. Baler
 2. Forklift
 3. Storage
 4. Storage containers
 5. Truck for Container Pick-up.
- b. Determine operational and maintenance needs/costs.
- c. Transportation needs for material marketing

Lead Agency: Evergreen Recycling

Assisting Agency: City of Alpena, Alpena County, Landfill Authority

Timeframe: October 1998 - June 1999

Task 2: Explore funding mechanisms for program start-up.

- a. Research grant opportunities
- b. Research local opportunities
- c. Meet with local officials and Landfill Authority to determine surcharge opportunities.

Lead Agency: City of Alpena, Alpena County, Landfill Authority, Evergreen Recycling

Assisting Agency: NEMCOG

Timeframe: October 1998 - January 1999

Task 3. Purchase equipment and make any necessary changes to building for program start-up.

Lead Agency: Evergreen Recycling

Assisting Agency: City of Alpena, Alpena County, Landfill Authority

Timeframe: October 1998 - June 1999

Phase Two

Task 4. Determine long-term building needs and explore possible building locations to include considerations of best site for multi-county program, marketing, transportation, workers.

Lead Agency: Evergreen Recycling, City of Alpena, (Consultant), Alpena County, Townships

Assisting Agency: MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance

Timeframe: January 1999 - September 1999

D. Secure the financial resources to operate and maintain a Central Processing Facility and drop-off sites on a multi-county level.

Task 1: Establish a surcharge on solid waste for the purpose of funding a multi-county recycling program.

- a. Meet with the MOSL Authority to establish surcharge rates and to develop guidelines for funds distribution
- b. Meet with Waste Management to establish mechanism for retrieving surcharge on industrial waste disposed at Waste Management's Landfill in Waters, MI

Lead Agency: MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance

Assisting Agency: Evergreen Recycling, NEMCOG

Timeframe: December 1998

Task 2: Pursue local, state, and federal funding for equipment and building costs.

- a. Develop and submit grants to local, state and federal funding sources
- b. Explore possibilities of two year start-up millage

Lead Agency: MOSL Authority – Multi-County Subcommittee: Northeast Michigan Recycling Alliance

Assisting Agency: NEMCOG, Consultant

Timeframe: January 1999 - Ongoing

EVALUATION OF RECYCLING

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

Recycling and composting rate high public acceptability. Volume reduction through recycling and composting can be achieved in Alpena County, however, with the current markets, subsidy for program success will be necessary. A multi-county recycling effort would be most cost-effective for the region. Alpena County could operate their program independent of other counties, however, the more volume of materials the better the chance of a break-even operation. Public support for the development and implementation of a resource recovery program in Alpena County is high. It is understood that in order to implement a program, financial support is necessary. However, if the presently good economic conditions change, then support for implementing a program could diminish. However, the benefits of reducing the amount landfilled and the savings derived from the reuse and recycling of materials have direct social, environmental and economic benefits.

Impediments to recycling include the long distance required to transport goods to markets, sometimes unavailable markets, and lack of local financial support. Recycling opportunities in the county are limited and lack county-wide coordination. Currently, Evergreen Recycling is providing recycling for paper, some plastics, and metals. BFI did provide drop-off of recyclables at the Transfer Facility, but this service is no longer available. Several difficulties exist in starting a recycling program in Alpena, such as low volume, especially in rural areas, high costs of transporting materials to the market, lack of a large centralized collection/storage site, and lack of recycling equipment. It is anticipated that the above impediments to recycling can be overcome by increasing the volume of materials. This can be accomplished through the development of a multi-county approach. In addition, the program will strive to achieve a high quality, dependable product. This will attract long term relationships with markets dependant on volume and quality recyclable materials.

The technical feasibility of recycling is well proven. Public health concerns in regards to groundwater contamination and methane gas production will be reduced with increasing recycling as less material will be landfilled. Recycling reduces the dependency on landfills, the environmental impacts associated with landfilling and the overall energy needed to produce products from raw materials.

Composting is a well proven means of disposing of yard wastes. Composting is the least costly and least energy intensive method of disposing of solid waste, especially in a rural region. Composting provides a reusable resource with economic value and can be implemented individually or on a county-wide basis. Public health impacts are minimized due to a reduction in the amount of solid waste being landfilled. Due to the reduction of solid wastes being landfilled, environmental health impacts at the landfill, such as leachate formation and potential ground water contamination, are minimized. Composting reduces the amount of energy required to transport and landfill yard wastes.

APPENDIX A

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

Recyclable component of solid waste stream (1980 NEMCOG Solid Waste Stream Assessment)

Material	% of waste stream	Amount of waste stream (tons/day)	Amount recycled 25% participation (tons/day)	Amount recycled 10 % participation (tons/day)
Paper	48%	35	8.7	3.5
Plastics	9.2%	7	1.7	0.7
Metals	6.6%	5	1.6	0.2
Glass	3.3%	2.5	0.6	0.2

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:

Evergreen Recycling, along with the Alpena County Solid Waste Committee have been conducting site visits of rural recycling programs. Equipment needs are being assessed and costs are being investigated.

Proposed Programs:

As discussed in previous sections, the preferred recycling program currently being explored involves the placement of compartmentalized containers in key locations throughout the county. The containers will then be picked up and taken to a central processing facility in the City of Alpena for sorting and baling. The central processing facility is likely to be a public/private partnership venture.

Site Availability & Selection

Existing Programs:

Currently Evergreen Recycling utilizes a large building in the City of Alpena. Needs are being assessed and additional storage has been obtained for Phase One of the Recycling Program implementation.

The City of Alpena owns and operates a composting site

Proposed Programs:

In Phase One of the recycling program, drop-off sites will be established in the City of Alpena and Alpena Township. Processing of the materials from these sites will be at the current Evergreen Recycling center. Phase Two will involve program development into outlying areas of Alpena County and surrounding counties. Additional drop-off sites will be added. As material volume increases, plans will concurrently be made to obtain a facility that will serve the needs and future needs of the four county area.

The City of Alpena will continue to utilize the existing composting site. The size and location of the site are adequate to handle the needs of the City of Alpena and it is not anticipated that a new site will be needed in the near future.

APPENDIX A

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:

<u>Program Name:</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
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City of Alpena does not currently monitor for these parameters

Proposed Programs:

<u>Program Name</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
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None proposed at this time

COORDINATION EFFORTS:

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

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

The Alpena County Board of Commissioners is ultimately responsible for implementing the Solid Waste Management Plan, as part of its duties as general governance. The Board of Commissioners and its personnel will coordinate the solid waste implementation activities with local municipalities, agencies, organizations, and planning commissions. The Board of Commissioners has charged the township and City of Alpena Planning Commissions to be aware of any pertinent ordinances or approved land use plans within the county, and any pertinent restrictions or requirements contained in plans for air quality, water quality, or waste management which may be required to meet state or federal standards. Any county-level decisions affecting current or anticipated programs for solid waste management air quality, water quality or land use planning will be made only after thorough consultation with the townships and City of Alpena planning commissions.

APPENDIX A

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	Estimated Costs	Potential Funding Sources
<u>Resource Conservation Efforts</u>	\$20,000	User Fees Surcharge Two year Millage Community Foundations State Grant Programs Federal Grant Programs
<u>Resource Recovery Programs</u>	\$50,000-\$500,000	Inkind Sources Community Foundations State Grant Programs Federal Grant Programs
<u>Volume Reduction Techniques</u>	\$5000	Inkind Sources Community Foundations State Grant Programs Federal Grant Programs
<u>Collection Processes</u>	none	
<u>Transportation</u>	none	
<u>Disposal Areas</u>	none-MOSL Authority	Tipping Fees
<u>Future Disposal Area Uses</u>	unknown	
<u>Management Arrangements</u>	will be determined	
<u>Educational & Informational Programs</u>	\$5,000-\$30,000	Inkind Sources Community Foundations State Grant Programs Federal Grant Programs

Costs and funding sources for the recycling program are currently in the development stage. The composting program is currently funded through the City of Alpena and by sale of the end product. Additional needs and their associated costs will be determined.

Local agencies such as: Alpena County Soil Conservation District, District #4 Health Department, Natural Resource Conservation Service, MSU Extension, and the Thunder Bay Watershed Council will provide outreach activities through existing work activities. Material will be available at these various offices, and disseminated through various newsletters. Funding will be sought through local foundations to assist with the costs of development and printing of educational materials.

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:

MOSL Alternative

This alternative utilizes the Montmorency-Oscoda Sanitary Landfill for the next 10 year planning period and assumes all solid waste generated in the county will be disposed of at MOSL. This system includes recycling, composting, waste reduction, and household hazardous waste components. The county, along with the private sector will develop a recycling program for use by its residents. Composting facilities operated by the City of Alpena will be upgraded and available for city residents. Backyard composting programs will be promoted for the rural portions of the county. Waste reduction will be encouraged through an educational campaign. A household hazardous waste collection program will be developed in coordination with adjacent counties. To address the increasing problem of dumping solid waste in the woods, townships will develop and sponsor clean up days.

I. Expansion/Sanitary Landfill

A. Technical Feasibility: The technical feasibility of sanitary landfilling is well proven and is the most utilized system of solid waste management in the United States. Present landfill sites exist and the public is accustomed to their location and costs. The MOSL is situated on a 40 acre site and currently it is in its last cell. Montmorency and Oscoda Counties obtained an additional 40 acres for landfill expansion. The estimated refuse volume of the site is 3,500,000 cubic yards or 20+ years capacity for the Montmorency, Oscoda and Alpena counties.

B. Economics: Sanitary landfilling is a cost-effective system in northern Michigan when implemented on a multi-county basis. The economic feasibility of selecting this system will require Alpena County to jointly own and operate MOSL, along with Montmorency and Oscoda counties. (Montmorency and Oscoda counties do not generate enough solid waste on their own to continue to operate the landfill). The new landfill cell is currently in the process of obtaining permit approval with an estimated construction cost of 2.4 million dollars. Based on projections of a minimum of 145,000 yds³ annually and current conditions the MOSL Authority anticipates the tipping fee to be in the range of \$10 to \$12/yds³ for the next five years. (See Attachment F)

C. Transportation Costs: Access to the landfill is via County Road 487. County Road 487 intersects M-32 in Atlanta five miles north of the landfill and County Road 612 two miles south of the landfill. M-32 has recently been undergoing safety and surface improvements. Weight restrictions are in effect, especially during spring, for M-32, County Road 487 and 612. Weight restrictions can severely limit solid waste transportation to the landfill.

D. Public Health: Public health concerns are primarily with groundwater contamination and methane gas. A ground water monitoring system is in place for detection of contamination.

E. Environmental Impacts: Since this alternative utilizes an existing site, initial environmental impacts have not been considered. The negative environmental impacts primarily concern the development of leachate within the site and the contamination of groundwater. Methane gas can also be a concern, however, technology exists for utilization of gas for operations.

F. Siting: The new cell construction utilizes the existing site.

G. Energy Impacts: Sanitary landfilling is an energy intensive system as it disposes of materials which requires energy to produce. Also, it requires energy to transport solid waste to the site and energy to mechanically cover the material daily. Some energy is conserved by utilizing transfer stations in more rural areas.

II. Resource Conservation/Reduction Program

A. Technical Feasibility: The technical feasibility of solid waste reduction and pollution prevention has been well established and is being practiced by industry.

B. Economics: The program will involve dissemination of educational material through workshops and informational handouts. Education costs will primarily involve workshop organizational time, printings and mailings.

C. Public Health: Reduces overall emissions and solid waste being disposed, reducing overall public health impacts.

D. Environmental Impacts: Reduction of solid waste being disposed reduces dependency on the landfill and associated ground water impacts.

E. Siting: NA

F. Energy Impacts: Pollution prevention and solid waste reduction can reduce the overall energy costs of solid waste disposal. Minimizing the amount of solid waste produced results in energy savings in solid waste transportation and disposal costs.

III. Resource Recovery Program: Recycling

A. Technical Feasibility: The technical feasibility of recycling is well proven.

B. Economics: The recycling program best suited to meet the needs of Alpena County involves a central processing facility with drop off containers in strategic locations in the county. Volume reduction through recycling and composting can be achieved in Alpena County, however, with the current markets, subsidy will be necessary for program success. A multi-county recycling effort would be most cost-effective for the region. Alpena County could operate their program independent of other counties, however, the more volume of materials the better chances of a break-even operation. Recycling of specific materials continues to be cost-effective for certain businesses and industries.

C. Public Health: Public health concerns in regards to groundwater contamination and methane gas production will be reduced as less material will be disposed.

D. Environmental Impacts: Recycling reduces the overall dependency on landfills and reduces the environmental impacts associated with landfilling.

E. Siting: A recycling facility is likely to be located in the City of Alpena.

G. Energy Impacts: Recycling reduces the overall energy needed to produce products from raw materials.

IV. Resource Recovery Program: Composting

A. Technical Feasibility: Composting is a well proven means of disposing of yard wastes

B. Economics: Utilize existing City of Alpena and Future Farmers of America site Promote backyard composting in rural areas Composting is the least costly method of disposing of solid waste, especially in a rural region. Composting provides a reusable resource with economic value and can be implemented individually or on a county-wide basis

C. Public Health: Public health impacts are minimized due to reduced wastes being landfilled

D. Environmental Impacts: Environmental health impacts at the landfill are minimized due to the reduction of wastes landfilled, therefore reducing leachate formation and potential for ground water contamination

E. Siting: No new sites are anticipated

H. Energy Impacts: Reduces the amount of energy required to transport and landfill yard wastes. Composting is the least energy intensive method of disposing of solid waste, especially in a rural region.

V. Resource Recovery Program: Household Hazardous Waste Disposal Program

A. Technical Feasibility: Household hazardous waste disposal programs are a proven means of safely and effectively disposing of household hazardous materials.

B. Economics: Conduct a joint disposal day in coordination with adjacent counties
Approximately \$10,000/day

C. Public Health: Eliminating household hazardous materials from the waste stream reduces the potential for ground water contamination and drinking water impacts.

D. Environmental Impacts: Eliminating household hazardous waste from the waste stream reduces the risks of ground water contamination.

E. Siting: A temporary drop off site will be established in the City of Alpena

I. Energy Impacts: Transportation and landfill energy costs will be reduced.

VI. Resource Recovery Program: White Goods/ Reduce Trash in Woods

A. Technical Feasibility: NA

B. Economics: Clean up day sponsored by township with goal of reducing trash dumped in the woods Freon removal: \$30/refrigerator

C. Public Health: Reduces ground water and surface water contamination potential

D. Environmental Impacts: Ground water and surface water contamination will be reduced by reducing dumping in the woods

E. Siting: Strategic locations in townships.

J. Energy Impacts: NA

Public Support

Public acceptability for this alternative is expected to be good since it will keep choices for solid waste collection available to the general public. Without the option of MOSL, local haulers may go out of business, increasing costs to the customers. Sanitary landfilling is publicly acceptable and the public is accustomed to present landfill locations and costs. Recycling also rates high public acceptability.

Selection Process

The selected system was chosen by a majority vote of the Solid Waste Planning Committee.

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. Keeps a solid waste disposal option open for the general public of Alpena County and the Northeast Region.
2. Advantages of government owned solid waste facility:
 - Not for profit, operates in the public's interest
 - Able to operate publicly supported programs, i.e. recycling
 - Records are open to the public
 - More control over rates.
 - More control over types of solid waste accepted at landfill.
 - More control over accepting solid waste from outside areas.
3. MOSL has been a self-sustaining landfill.
4. MOSL Committee has run a good operation resulting in minimal groundwater contamination.
5. MOSL has land to expand.
6. Some believe that, philosophically, solid waste disposal is a service government ought to provide.
7. Reduces costs to local haulers due to proximity of MOSL, in comparison to City Environmental, Inc.
8. Provides the general public with a disposal facility within reasonable driving distance.
9. Competition is needed in the solid waste business. Keeping MOSL open will provide for competition.
10. Government is charged with protecting the Public's welfare, private companies are not.
11. Local haulers want the MOSL open for disposal.

DISADVANTAGES:

1. Financial risk is extremely high, if there is not sufficient volume to the landfill.
2. Legislature has been attempting to eliminate Flow Control for the past five years. Flow control may be eliminated.
3. Costs to run landfill continue to increase: financial assurance, construction costs, license increase.
4. Currently there is sufficient landfill capacity excluding MOSL. There are two privately owned landfills, in region, which could take care of all solid waste:
 - Waste Management, Inc. has 20-25 years capacity
 - Elk Run Landfill has 20+ years capacity.
5. MOSL does not own hauling a business, therefore does not provide any guarantees (to landfill). The volume of solid waste received at the landfill is based on independent haulers.
6. Alpena County will have to enforce flow control.
7. Will increase liability to Alpena County, if Alpena County becomes a co-owner.
8. Future costs to upgrade road into landfill (\$55,000/mile; 5 1/2 miles to complete).
9. No control over rates with private companies.
10. If local haulers sell, landfill would be negatively impacted.

APPENDIX B

NON-SELECTED SYSTEMS

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

APPENDIX B

SYSTEM COMPONENTS:

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

RESOURCE CONSERVATION EFFORTS:

Alpena County is committed to resource conservation efforts to reduce the overall dependency on the landfill. Resource conservation efforts would involve the implementation of a county wide (possibly multi-county) recycling program, enhancement of the existing composting program, development of a recycled products procurement program, and the initiation of a comprehensive education program.

VOLUME REDUCTION TECHNIQUES:

Solid waste reduction would be encouraged through an educational campaign and would include implementing a county wide or multi-county recycling program and enhancing the existing composting program.

RESOURCE RECOVERY PROGRAMS:

The county, along with the private sector would develop a recycling program for use by its residents. Composting facilities run by the City of Alpena would be upgraded and available for city residents. Backyard composting programs would be promoted for the rural portions of the county. The county would conduct a household hazardous waste collection day in coordination with adjacent counties. The townships would sponsor a clean up day to reduce trash dumped in the woods.

COLLECTION PROCESSES:

Collection would be carried out by private haulers. However, local haulers currently serving Alpena County would be at an economic disadvantage with Waste Management, Inc owning both a hauling service and the landfill sites. It is conceivable that local haulers would no longer be able to competitively operate, leaving Waste Management, Inc as the primary hauling service.

TRANSPORTATION:

Access to the Waters Landfill in Crawford County is via M-32 to I-75. Distance from Alpena to this landfill is about 110 miles. Solid waste going to the Elk Run Sanitary Landfill in Onaway would be transported via M-32 to M-33, which is about 65 miles from Alpena County. Weight restrictions are in effect, especially during spring, for M-32 and M-33. Weight restrictions can severely limit solid waste transportation to the landfills.

DISPOSAL AREAS:

This alternative utilizes Waste Management, Inc Landfills in Waters, Crawford County and Onaway, Presque Isle County for the next 10 year planning period. This alternative assumes that all solid waste generated in the county will be disposed of at these landfills.

INSTITUTIONAL ARRANGEMENTS:

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Education and information programs would include programs covering recycling, composting, household hazardous waste, resource conservation and volume reduction. Information would be delivered through newspapers, flyers, organizational newsletters and exhibits. Generally the information would be targeted to the general public and to elementary school children.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Collection and landfilling of solid waste would be done with no cost to the county. Other costs associated with this alternative would come from producing and disseminating educational material, starting and running a recycling program jointly with the private sector, continuing to run the City of Alpena composting site, producing educational materials to encourage back yard composting, holding a household hazardous waste collection day and sponsoring a clean up day to reduce trash in the woods (see the evaluation summary of non-selected system for more details on costs associated with each component of this alternative)

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.

Waste Management, Inc Disposal Alternative

This alternative utilizes Waste Management, Inc Landfills in Waters, Crawford County and Onaway, Presque Isle County for the next 10 year planning period. This alternative assumes that all solid waste generated in the county will be disposed of at these landfills. This system would also include recycling, composting, waste reduction, and household hazardous waste components. The county, along with the private sector would develop a recycling program for use by its residents. Composting facilities run by the City of Alpena would be upgraded and available for city residents. Backyard composting programs would be promoted for the rural portions of the county. Waste reduction would be encouraged through an educational campaign. The county would conduct a household hazardous waste collection day in coordination with adjacent counties. The townships would sponsor a clean up day to reduce trash dumped in the woods.

I. Sanitary Landfill: Waters Site

A. Technical Feasibility: The technical feasibility of sanitary landfilling is well proven and is the most utilized system of solid waste management in the United States

B. Economics: The economic feasibility of selecting this system will involve no financial commitment on the part of Alpena County. However, local haulers currently serving Alpena County would be at an economic disadvantage with Waste Management, Inc's hauling service and landfill business. It is conceivable that local haulers would no longer be able to competitively operate, leaving Waste Management, Inc as the primary hauling service and disposal sites.

C. Transportation Costs: Access to the Waters Landfill in Crawford County is via M-32 to I-75. Distance from Alpena to this landfill is about 110 miles. Solid waste going to the Elk Run Sanitary Landfill in Oneway would be transported via M-32 to M-33, which is about 65 miles from Alpena County. Weight restrictions are in effect, especially during spring, for M-32 and M-33. Weight restrictions can severely limit solid waste transportation to the landfill.

D. Public Health: Public health concerns are primarily with groundwater contamination and methane gas. A ground water monitoring system is in place for detection of contamination.

E. Environmental Impacts: Since this alternative utilizes an existing site, initial environmental impacts have not been considered. The negative environmental impacts primarily concern the development of leachate within the site and the contamination of groundwater. Methane gas can also be a concern, however, technology exists for utilization of gas for operations.

F. Siting: Waste Management, Inc Landfill in Waters is situated on a 252 acre site, of which 79.07 acres are permitted and 9.7 acres are in operation.

G. Energy Impacts: Sanitary landfilling is an energy intensive system as it disposed of materials which requires energy to produce. Also it requires energy to transport solid waste to the site and energy to mechanically cover the material daily. Some energy is conserved by utilizing transfer stations in more rural areas.

II. Resource Conservation/Reduction Program

A. Technical Feasibility: The technical feasibility of solid waste reduction and pollution prevention has been well established and is being practiced by industry.

B. Economics: The program will involve dissemination of educational material through workshops and informational handouts. Education costs will primarily involve workshop organizational time, printings and mailings.

C. Public Health: Reduces overall emissions and solid waste being disposed, reducing overall public health impacts.

D. Environmental Impacts: Reduction of solid waste being disposed reduces dependency on the landfill and reduces associated ground water impacts.

E. Siting: NA

F. Energy Impacts: Pollution prevention and solid waste reduction can reduce the overall energy costs of solid waste disposal. Minimizing the amount of solid waste produced results in energy savings in solid waste transportation and disposal costs.

III. Resource Recovery Program: Recycling

A. Technical Feasibility: The technical feasibility of recycling is well proven.

B. Economics: The recycling program best suited to meet the needs of Alpena County involves a central processing facility with drop off containers in strategic locations in the county. Volume reduction through recycling and composting can be achieved in Alpena County, however, with the current markets, subsidy will be necessary for program success. A

multi-county recycling effort would be most cost-effective for the region. Alpena County could operate their program independent of other counties, however, the more volume of materials the better chances of a break-even operation. Recycling of specific materials continues to be cost-effective for certain businesses and industries.

C. Public Health: Public health concerns in regards to groundwater contamination and methane gas production will be reduced as less material will be disposed.

D. Environmental Impacts: Recycling reduces the overall dependency on landfills and reduces the environmental impacts associated with landfilling.

E. Siting: A recycling facility will be located in the City of Alpena.

F. Energy Impacts: Recycling reduces the overall energy needed to produce products from raw materials.

IV. Resource Recovery Program: Composting

A. Technical Feasibility: Composting is a well proven means of disposing of yard wastes.

B. Economics: Utilize existing City of Alpena and Future Farmers of America site. Promote backyard composting in rural areas. Composting is the least costly method of disposing of solid waste, especially in a rural region. Composting provides a reusable resource with economic value and can be implemented individually or on a county-wide basis.

C. Public Health: Public health impacts are minimized due to reduced solid wastes being landfilled.

D. Environmental Impacts: Environmental health impacts at the landfill are minimized due to the reduction of solid wastes landfilled, therefore reducing leachate formation and potential for ground water contamination.

E. Siting: No new sites are anticipated.

K. Energy Impacts: Reduces the amount of energy required to transport and landfill yard wastes. Composting is the least energy intensive method of disposing of solid waste, especially in a rural region.

V. Resource Recovery Program: Household Hazardous Waste Disposal Program

A. Technical Feasibility: Household hazardous waste disposal programs are a proven means of safely and effectively disposing of household hazardous materials.

B. Economics: Conduct a joint disposal day in coordination with adjacent counties. Approximately \$10,000/day.

C. Public Health: Eliminating household hazardous materials from the waste stream reduces the potential for ground water contamination and drinking water impacts.

D. Environmental Impacts: Eliminating household hazardous waste from the waste stream reduces the risks of ground water contamination.

E. Siting: A temporary drop off site will be established in the City of Alpena.

F. Energy Impacts: Transportation and landfill energy costs will be reduced.

VI. Resource Recovery Program: White Goods/ Reduce Trash in Woods

A. Technical Feasibility: NA

B. Economics: Clean up day sponsored by township with goal of reducing trash dumped in the woods. Freon removal: \$30/refrigerator.

C. Public Health: Reduces ground water and surface water contamination potential.

D. Environmental Impacts: Ground water and surface water contamination will be reduced by reducing dumping in the woods.

E. Siting: Strategic locations in townships.

F. Energy Impacts: NA

Public Support

Sanitary landfilling is publicly acceptable and the public is accustomed to present landfill locations and costs. However, public acceptability may be poor as this alternative may hinder competitive pricing and result in local haulers going out of business. Public acceptability may also be poor as under this alternative it is likely that rates would increase.

Why this System Was Not Selected

The Solid Waste Planning Committee did not select this alternative because the majority of the members felt it was not in the best interest for the people of Alpena County. This alternative, could possibly eliminate all solid waste collection service competition in the Alpena county area, other than what is owned by Waste Management, Inc. Choosing this alternative would eliminate the option of keeping open the Montmorency- Oscoda Sanitary Landfill.

APPENDIX B

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. Potentially increase collection service efficiency
2. Large business has the financial capability of cover increasing costs due to new requirements

DISADVANTAGES:

1. Eliminates the option of MOSL as a disposal site
2. Potentially eliminates local hauling services (all but Waste Management, Inc)
3. Increases liability if Elk Run Sanitary Landfill is utilized
4. Increased transportation costs.
5. Potential increases in collection and disposal costs
6. Does not operate in the best interest of the public
7. Records are not open to the public
8. Less control over types of solid waste accepted at landfill
9. Little control over rates
10. Little incentive to support recycling and resource recovery, because profit is based on landfilling solid waste
11. Landfills are not easily accessible to Alpena County residents

APPENDIX C

PUBLIC PARTICIPATION AND APPROVAL

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

The process for establishing the Alpena County Solid Waste Planning Committee involved advertisement in the Alpena Newspaper. After responses from the advertisement were received, the Alpena County Board of Commissioners requested committee appointments and solicited potential members for the various categories. Once the committee positions were filled, the Alpena County Board of Commissioners voted on and approved the committee.

Committee meetings were then held to obtain input into the overall plan. The following provides an overview of the meetings and accomplishments

APPENDIX C PUBLIC PARTICIPATION

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 See Attachment G for documentation of the Public Involvement Process

Meeting #1 January 13, 1998

- I. Solid Waste Overview
- II Election of Chair
- III Procedures for Meetings
- IV Develop Solid Waste Goals & Objectives
- V Identification of issues/problems/deficiencies
- VI Determine alternatives (disposal options) to be reviewed
- VII Development of Resource Recovery Options

Working Session January 22, 1998

- A. Composting
- B Household Hazardous Waste
- C Incineration
- D Recycling
- E Information /Education Program
- F Funding

Meeting #2 February 17, 1998

- VIII Discussion/determination of resource recovery options
- IX Discussion on site review procedures
- X Discussion of local ordinances

Meeting #3 April 1, 1998

- XI Review of draft Plan
- XII. Review and rank selected solid waste management alternatives

Meeting #4 June 9, 1998

- XIII Review of draft Plan
- XIV Authorize plan for 90 day Public Comment/Review period

Public Input June – August, 1998

- XV Conduct Public Hearing
- XVI. Write up comments

Meeting #5 October 7, 1998

- XVII Review comments, and make any necessary changes to Plan
- XVIII Approve Plan, send to County for action

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

The process for establishing the Alpena County Solid Waste Planning Committee involved advertisement in the Alpena Newspaper. After responses from the advertisement were received, the Alpena County Board of Commissioners requested committee appointments and solicited potential members for the various categories. Once the committee positions were filled, the Alpena County Board of Commissioners voted on and approved the committee.

APPENDIX C PUBLIC PARTICIPATION

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. Bill Dashner, Evergreen Recycling
2. Dave Herberholz, Waste Management, Inc
3. Linda Jewell, Jewell's Disposal
4. Gerald Steinke, Thunder Bay Sanitation

One representative from an industrial waste generator:

1. Al Nadeau, ABTco Inc

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

1. Grant Sork, Soil Conservation District
2. Scott Smith, District Health Department #4

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

1. Ken Hubbard

One representative from township government:

1. Mary Ann Wikaryasz, Long Rapids Township Supervisor

One representative from city government:

- Dave Karschnick, Alpena City Council
Alternate: Alan Bakalarski, Alpena City Manager

One representative from the regional solid waste planning agency:

1. Bud Wegmeyer, NEMCOG Board

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

1. Jerry Newhouse
2. Dolores Baker
3. Lynn Wallace

APPENDIX D

PLAN IMPLEMENTATION STRATEGY

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 Alpena County Board of Commissioners is ultimately responsible for implementing the Solid Waste Management Plan, as part of its duties as general governance. The Board of Commissioners will coordinate the solid waste implementation activities with local municipalities, agencies, organizations, and planning commissions.

The County will work with the Solid Waste Planning Committee to implement the Solid Waste Plan. It is likely that money to fund plan implementation will be limited, so the county will try to utilize existing agencies. Evergreen Recycling will help with the recycling program operation and management. The City of Alpena will continue to run the municipal composting program. NRCS, MSU Extension, Alpena County SCD and the Alpena County Health Department will be involved in Education Dissemination. The Health Department will also be involved in the household hazardous waste program. The townships will be involved in developing a township clean up day and a white goods program. Alpena County will help with the recycling program and will be responsible for funding and final program development.

Subcommittees will be established to help with implementation of the Selected Solid Waste Management System. Subcommittees will address implementing the recycling program, resource conservation education program, household hazardous waste disposal program, composting program, and township clean-up day program. A recycling subcommittee will meet with other counties in the region to discuss the possibility of a multi-county recycling program and will work to develop the recycling program. An education subcommittee will be established to assemble educational materials dealing with recycling, composting, household hazardous waste collection, resource conservation, and volume reduction. The education subcommittee will also assess what new types of educational materials are needed and develop an effective dissemination strategy. Existing agencies within the county will be utilized to disseminate the information to the general public.

A partnership agreement will be developed to outline the responsibilities of each entity involved in implementing the plan. The partnership agreement will aid in plan implementation by providing a means for local agencies to work together. Until a partnership agreement can be developed, the following letters provide documentation of acceptance of responsibilities from all entities involved in implementing the Solid Waste Plan, as required by the plan.

The Alpena County Board of Commissioners is responsible for enforcing the Solid Waste Management Plan



City of Alpena

CITY HALL • 208 NORTH FIRST AVENUE • ALPENA MICHIGAN 49707 2885

October 14, 1998

Ms. Diane Rekowski
Executive Director
NEMCOG
PO Box 457
Gaylord, MI 49735

RE: Alpena County Solid Waste Management Plan - Recycling Program

Dear Diane:

The purpose of this letter is to indicate that the City has reviewed the draft Alpena County Solid Waste Management Plan and those sections dealing with the proposed recycling program for the county.

I would like to inform you that we support and will participate in the efforts outlined in the plan toward accomplishing a recycling program for Alpena County.

If additional information or assistance from the City is needed, please feel free to contact me.

Sincerely,


Alan L. Bakalarski
City Manager

ALB/JC

Copy: Mayor and Municipal Council Members
David S. Nordquist, Public Works Director

JanC\City Manager\NEMCOG.doc

District Health Department No. 4



Alpena County

100 Woods Circle
Alpena, MI 49707
(517) 356-4507
Fax (517) 356-9080

Cheboygan County

Doris E. Reid Center
825 S. Huron St.
Cheboygan, MI 49721
(616) 627-8850
Fax (616) 627-9466

Montmorency County

P.O. Box 183
Elkland Center
Lower Level
Atlanta, MI 49709
(517) 785-4428
Fax (517) 785-2217

Presque Isle County

151 E. Huron St.
Rogers City, MI 49779
(517) 734-4723
Fax (517) 734-3866

September 21, 1998

Diane Rekowski
NEMCOG
PO Box 457
121 E. Mitchell
Gaylord, MI 49735

RE: Alpena County Proposed Solid Waste Plan

Dear Ms. Rekowski:

District Health Department No. 4 does and will continue to play a significant role in all aspects of solid waste development in all of our counties.

As we proceed with this plan in Alpena County, we anticipate continuing our leadership in education, recycling, and enforcement. Our scope, goals and objective are driven by the availability of funds which directly correlates the extent which a comprehensive plan can be carried out.

Zero waste production and disposal would be in the best interest for the health of our citizens, but this is not possible. We at District Health Department No. 4 will educate citizens extensively and make certain that all solid waste is properly directed in the waste system and properly disposed of when final disposal is necessary.

Resource conservation efforts and household hazardous waste programs of this plan are of significant public health importance.

Sincerely,

A handwritten signature in black ink that reads "Scott Smith".

Scott Smith, R.S.
Environmental Health Director

SS/amt

ER *Evergreen Recycling*

606 Campbell
Alpena, MI 49707

Date: September 27, 1998
To: Alpena Solid Waste Planning Committee
From: Evergreen Recycling
RE: Alpena County Proposed Solid Waste Plan

The members of Evergreen Recycling are pleased to be included as partners in the Alpena County Solid Waste Plan. We look forward to working cooperatively with Alpena County, and surrounding counties, in developing a comprehensive recycling cooperative that will benefit the citizens of our area.

Respectfully Submitted,



William Dashner
Supervisor Evergreen Recycling

ALPENA SOIL CONSERVATION DISTRICT

1900 M-32 West
Alpena, Michigan 49707
(517)354-6038

September 21, 1998

To: Northeast Michigan Council of Governments

From: Alpena Conservation District

Re: Alpena County Proposed Solid Waste Plan

The Alpena Conservation District is writing in support of the Alpena County Proposed Solid Waste Plan and efforts to implement the plan.

Among other programs, the District has a Groundwater Stewardship program that provides information and technical assistance to help landowners identify risks to groundwater associated with their pesticide and nitrogen fertilizer use practices. In fact, we already provide for recycling of plastic pesticide containers (2 ½ gallon).

We would be happy to participate in public education, recycling, composting and resource conservation.

We look forward to providing assistance in order to obtain the goals and objectives.



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Alpena Field Office
1900 M-32 West
Alpena, MI 49707
Phone: (517) 356-6038

September 22, 1998

Dear Ms. Rekowski,

After reviewing the proposed Alpena Solid Waste Plan, I feel that we will be able to assist in the requested areas.

Please keep us advised as to the assistance you need and we will be glad to help

Sincerely

A handwritten signature in black ink, appearing to read "Grant Sork", written over a horizontal line.

Grant Sork
Resource Conservationist

Montmorency/Oscoda Joint Sanitary Landfill

Post Office Box 4
Courthouse Ann
Atlanta, MI 497
Ph (517) 785-33

July 16, 1998

Ms. Diane Rekowski
NEMCOG
121 East Mitchell
Gaylord, MI 49735

Dear Diane:

The Landfill Authority Board, at their meeting held on 7/15/98, has authorized that the Multi-County Recycling Committee may fall under the auspices of the Landfill Authority Board. It is my understanding that this request was made for the purpose of obtaining grant and/or other funds for the development of a multi-county recycling operation. This Committee was developed as a sub-committee of the Montmorency/Oscoda Solid Waste Planning Committee, and includes representatives of Alpena, Montmorency and Oscoda Counties. As such it is considered a governmental entity.

Please be advised that any funds afforded to the Recycling Committee must come through the Treasurer of Montmorency County, who will establish a Trust and Agency account for these funds for the administration and monitoring of same.

If you have any questions please contact me.

Sincerely,


Sandy Cunningham
Executive Secretary

cc: Landfill Authority Board
Jim Cotant, Attorney
Wanda Teets, Treasurer, Montmorency County

ATTACHMENTS

ATTACHEMENTS

ATTACHMENT A: Resolutions

Resolution 97-32: Alpena County's resolution to join in ownership and operation of the Montmorency-Oscoda Sanitary Landfill.

Resolution providing for the disposal of solid waste in Alpena County

ATTACHMENT B: Listed Capacity

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

ATTACHMENT C: Maps

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

Map of percent change in population density from 1970 to 1990 in Northeast Michigan

Map of percent change in population from 1970 to 1990 in Northeast Michigan

ATTACHMENT D: Inter-County Agreements

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

ATTACHMENT E: Special Conditions

Special conditions affecting import or export of solid waste.

ATTACHMENT F: Tipping Fee Projections

Tipping fee projections for the Montmorency-Oscoda Sanitary Landfill

ATTACHMENT G: Public Involvement Process

Documentation of the Public Involvement Process

ATTACHMENT A

Resolutions

Resolution 97-32: Alpena County's resolution to join in ownership and operation of the Montmorency-Oscoda Sanitary Landfill.

Resolution providing for the disposal of solid waste in Alpena County.

RESOLUTION 97-32

WHEREAS, the County of Alpena has examined the alternative means of disposal of solid waste pursuant to P.A. 451 of 1994 and;

WHEREAS, the Counties of Montmorency and Oscoda own and operate a municipal solid waste disposal facility located in Montmorency County and;

WHEREAS, the Counties of Montmorency and Oscoda have offered the County of Alpena an opportunity to join as a partner in the ownership and operation of their solid waste disposal facility and;

WHEREAS, the County of Alpena, to secure the health, safety and general welfare of the citizens of Alpena County and the continued availability of competitively priced solid waste disposal and;

WHEREAS, the member local units of government who have formed the Landfill have agreed that a county ordinance providing for the disposal of Alpena County solid waste at the Montmorency/Oscoda Landfill is desirable;

WHEREAS, it is the belief of Alpena County that the ownership and operation of the Montmorency/Oscoda Landfill in handling of waste generated within the County of Alpena by the Montmorency/Oscoda Landfill is in the best interest of the citizens of Alpena County;

WHEREAS, the Montmorency/Oscoda Landfill Committee will agree to dismiss its lawsuit against Alpena County, entitled *Montmorency/Oscoda County Joint Sanitary Landfill Committee v. The County of Alpena, et al., Alpena County Case No. 94-001072-CZ*, and further to hold Alpena County harmless and defend Alpena County from any liability resulting from the enactment of this resolution, and with the further representation that there will be no up-front costs to Alpena County and that this resolution will become effective only when such agreement is reached and reduced to writing and the lawsuit dismissed with prejudice;

NOW THEREFORE, Alpena County, by and through its Board of Commissioners, resolves to join with the Counties of Montmorency and Oscoda in the ownership and operation of the Montmorency/Oscoda Landfill and to pass a Flow Control Ordinance directing that all of the

Type II Solid Waste generated in Alpena County be disposed of at the Montmorency/Oscoda Sanitary Landfill and further resolves that its attorney be directed to prepare a written Agreement reflecting the content of this resolution and any other agreements reached between the Counties of Montmorency, Oscoda and Alpena to implement this resolution as well as an ordinance as set forth above which directs the disposal of Alpena County's solid waste in accordance herewith.

This Resolution shall only be effective upon receiving a written Agreement from the Montmorency/Oscoda Landfill Committee holding Alpena County harmless and defending Alpena County from any liability resulting from the enactment of this resolution, upon receiving a written agreement that there will be no up-front costs to Alpena County, and upon dismissal with prejudice of the above-captioned lawsuit.

PROVIDING FOR THE DISPOSAL OF SOLID WASTE
IN ALPENA COUNTY

AN ORDINANCE to restrict disposal of refuse generated within the County of Alpena:

WHEREAS, the State of Michigan has, through Act 451, Public Acts of Michigan, 1994, mandated that cities, townships, villages, and counties shall assure that all Solid Waste is delivered to licensed solid waste disposal areas or otherwise legally disposed of; and

WHEREAS, Alpena County has an approved solid waste management plan as required by Act 451; and

WHEREAS, the County, in order to comply with the mandate of Act 451 and the provisions of the Plan, and to secure the health, safety, and general welfare of citizens of the County, has joined with certain municipalities located outside the County to form the Montmorency-Oscoda Landfill Committee for the purpose of, among other things, providing the landfill for the use of municipalities forming the landfill and their citizens; and

WHEREAS, the member local units of governments who have formed the Landfill have by resolution agreed that a County Ordinance providing for the disposal of solid waste at the Montmorency-Oscoda Landfill is desirable; and

WHEREAS, it is the belief of the County that the operation of the Montmorency-Oscoda Landfill and handling of wastes generated within the County by the Montmorency-Alpena landfill is in the best interests of the citizens of Alpena County.

NOW, THEREFORE, IT IS HEREBY ORDAINED BY THE PEOPLE OF THE COUNTY:

Section 1. Definitions:

"Committee" means the Montmorency-Oscoda Landfill Committee or its successors or assigns

"County" means the County of Alpena.

"Montmorency-Oscoda Landfill" means the solid waste processing facility/sanitary landfill located in the county of Montmorency; and owned by the counties of Montmorency and Oscoda; and operated by Montmorency-Oscoda Landfill Committee.

"Department" means Michigan Department of Environmental Quality

"Effective Date" means the effective date of this Ordinance

"Hazardous Waste" means hazardous waste as defined in Act No. 451 of the Public Acts of Michigan, 1994, as amended from time to time, and as identified in administrative rules promulgated from time to time pursuant to said Act by the Director of the Department

"Municipal Waste" means street cleaning, municipal sludges, demolished building material, trees, brush, leaves, stumps, asphalt, concrete, industrial ash from municipal facilities and other inert materials collected by employees or agents of a municipality.

"Person" means any individual, proprietorship, firm, public or private corporation, partnership, trust, public or private agency or any other entity, or group of such persons.

"Site-Separated Materials" means recyclable materials (including, but not limited to, bottles, cans, newspaper, corrugated containers, grass, leaves, brush, yard trimmings, and metals) that are separated from solid waste after collection from a site of generation by a waste hauler or by the operators of the Montmorency-Oscoda Landfill to which it is delivered.

"Solid Waste" means garbage, rubbish, ashes, incinerator ash, incinerator residue, and industrial sludges, solid commercial and solid industrial waste, and animal waste provided, however, that this definition shall not include hazardous waste, municipal waste, non-acceptable landfill items, site-separate materials, source separated materials, human body waste, liquid or other waste regulated by statute, ferrous or nonferrous scrap directed to a scrap metal processor or to a reuser of ferrous or nonferrous products, and slag or slag products directed to a slag processor or to a reuser of slag or slag products.

"Source-Separated Materials" means recyclable materials (including, but not limited to, bottles, cans, newspapers, plastics, corrugated containers, metals, grass, leaves, brush, and yard trimmings) that are separated from solid waste prior to the collection of solid waste from a site of generation by a waste hauler.

"Unacceptable Landfill Items" means materials detrimental to the operation of the Landfill, including but not limited to burning or smoldering materials or ash, tires, batteries, and cars.

Section 2. All Solid Waste generated in the County shall be disposed of frequently enough to protect the public health.

Section 3. After the Effective Date, it shall be unlawful for any person residing in Alpena County to dispose of Solid Waste, other than by delivering or causing the delivery of Solid Waste to the Montmorency-Oscoda Landfill. This Section shall not apply to Hazardous Waste, Unacceptable Landfill Items, waste generated by any person that is disposed of at its own sanitary landfill licensed pursuant to Act 451, Public Acts of Michigan, 1994, or waste which is permitted under state law or rules promulgated by the Department to be disposed of at the site of generation. Delivery of Hazardous Waste to the Montmorency-Oscoda Landfill shall be deemed a violation of this Ordinance.

Section 4. Upon a violation of any provision of this Ordinance, the County may seek criminal prosecution and may seek legal and/or equitable relief in a court of competent jurisdiction.

Section 5. Any person who shall violate a provision of this Ordinance shall be guilty of a misdemeanor, punishable by a fine not to exceed \$500.00, or by imprisonment not exceeding 90 days, or both such fine and imprisonment. Each day that a violation occurs or continues shall be deemed a separate offense.

Section 6. If any section, subsection, sentence, clause or phrase of within this Ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Ordinance. The Board of Commissioners of the County hereby declares that it would have passed this Ordinance, section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional. Future amendments to this Ordinance may exempt from the effect hereof types of Solid Waste or Solid Waste generators on the recommendation of the governing body of the Montmorency-Oscoda Landfill by category or classification of Solid Waste or Solid Waste generators.

Section 7. All Ordinances or parts of Ordinances in conflict with the provisions of this are hereby repealed.

Section 8. This Ordinance shall be effective upon inclusion in the Alpena County Solid Waste Management Plan of the Flow Control mechanisms contemplated by this Ordinance and publication once in a newspaper of general circulation in Alpena County

PROVIDING FOR THE DISPOSAL OF SOLID WASTE
IN ALPENA COUNTY

DRAFT

AN ORDINANCE to restrict disposal of refuse generated within the County of Alpena:

WHEREAS, the State of Michigan has, through Act 451, Public Acts of Michigan, 1994, mandated that cities, townships, villages, and counties shall assure that all Solid Waste is delivered to licensed solid waste disposal areas or otherwise legally disposed of; and

WHEREAS, Alpena County has an approved solid waste management plan as required by Act 451; and

WHEREAS, the County, in order to comply with the mandate of Act 451 and the provisions of the Plan, and to secure the health, safety, and general welfare of citizens of the County, has joined with certain municipalities located outside the County to form the Montmorency-Oscoda Landfill Committee for the purpose of, among other things, providing the landfill for the use of municipalities forming the landfill and their citizens; and

WHEREAS, the member local units of governments who have formed the Landfill have by resolution agreed that a County Ordinance providing for the disposal of solid waste at the Montmorency-Oscoda Landfill is desirable; and

WHEREAS, it is the belief of the County that the operation of the Montmorency-Oscoda Landfill and handling of wastes generated within the County by the Montmorency-Alpena landfill is in the best interests of the citizens of Alpena County.

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"Municipal Waste" means street cleaning, municipal sludges, demolished building material, trees, brush, leaves, stumps, asphalt, concrete, industrial ash from municipal facilities and other inert materials collected by employees or agents of a municipality.

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"Solid Waste" means garbage, rubbish, ashes, incinerator ash, incinerator residue, and industrial sludges, solid commercial and solid industrial waste, and animal waste provided, however, that this definition shall not include hazardous waste, municipal waste, non-acceptable landfill items, site-separate materials, source separated materials, human body waste, liquid or other waste regulated by statute, ferrous or nonferrous scrap directed to a scrap metal processor or to a reuser of ferrous or nonferrous products, and slag or slag products directed to a slag processor or to a reuser of slag or slag products.

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solid industrial waste as defined in Act 451, Public Acts of Michigan, 1994, Part 115 as amended. Delivery of Hazardous Waste to the Montmorency-Oscoda Landfill shall be deemed a violation of this Ordinance.

Section 4. Upon a violation of any provision of this Ordinance, the County may seek criminal prosecution and may seek legal and/or equitable relief in a court of competent jurisdiction.

Section 5. Any person who shall violate a provision of this Ordinance shall be guilty of a misdemeanor, punishable by a fine not to exceed \$100.00, or by imprisonment not exceeding 90 days, or both such fine and imprisonment. Each day that a violation occurs or continues shall be deemed a separate offense.

Section 6. If any section, subsection, sentence, clause or phrase of within this Ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Ordinance. The Board of Commissioners of the County hereby declares that it would have passed this Ordinance, section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional. Future amendments to this Ordinance may exempt from the effect hereof types of Solid Waste or Solid Waste generators on the recommendation of the governing body of the Montmorency-Oscoda Landfill by category or classification of Solid Waste or Solid Waste generators.

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Section 8. This Ordinance shall be effective upon inclusion in the Alpena County Solid Waste Management Plan of the Flow Control mechanisms contemplated by this Ordinance and publication once in a newspaper of general circulation in Alpena County.

	Aye	Nay	Absent
Jere L. Standen	_____	_____	_____
Kenneth C. Hubbard	_____	_____	_____
Andrew W. Neumann	_____	_____	_____
Joyce McLain	_____	_____	_____
Jere L. Gagnon	_____	_____	_____
Howard Male	_____	_____	_____
Raymond Wegmeyer	_____	_____	_____
Bonnie Krajniak	_____	_____	_____

I, Blondine Smolinski, Alpena County Clerk and Clerk of the Alpena County Board of Commissioners, do hereby certify this to be a true and exact copy from the minutes of the Alpena County Board of Commissioners held on _____, 1997.

I, Blondine Smolinski, Alpena County Clerk do hereby set my hand and seal this _____ day of _____, 1997.

 BLONDINE SMOLINSKI
 Alpena County Clerk

 JOYCE McLAIN, Chairperson
 Alpena County Board of Commissioners

ATTACHMENT B

Listed Capacity

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

Montmorency/Oscoda Joint Sanitary Landfill

Post Office Box 4
Courthouse Annex
Atlanta, MI 497
Ph. (517) 785-33

May 28, 1998

Ms. Diane Rekowski
NEMCOG
121 East Mitchell
Gaylord, MI 49735

Dear Diane:

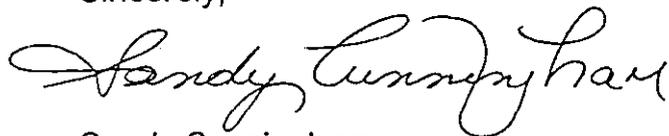
In confirmation of our telephone conversation regarding solid waste disposal at our Landfill, Alpena County is authorized to dispose of up to one hundred percent (100%) of the waste generated in Alpena to our Landfill.

Alpena County has joined membership in the formation of the Landfill Authority. In addition, Alpena has approved a flow control ordinance designating waste generated in that County be disposed of in our Landfill. The flow control ordinance will become effective upon inclusion in the Alpena County Solid Waste Management Plan.

The Landfill Authority is currently preparing application to the State of Michigan for a vertical expansion on the existing cell which will provide 150,000 cubic yards of additional air space. Construction of a new 5.4 acre cell will commence in the Spring of 1999. Beyond the 1999 construction, the Authority plans to construct annually to ensure adequate air space is available.

If you require additional information, please let me know.

Sincerely,



Sandy Cunningham
Executive Secretary

cc: Landfill Authority

October 7, 1998

Diane Rewkowski
Alpena County Solid Waste Management Planning Committee
PO Box 457
Gaylord, Michigan 49735

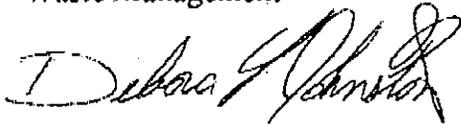
**RE: Disposal Capacity
Waste Management - Waters Landfill**

Dear Ms. Rewkowski,

The purpose of this letter is to certify that Waters Landfill located in Crawford County has sufficient disposal capacity to accept Alpena County's waste. Waters Landfill has a total permitted capacity of 6,968,000 bank cubic yards. Therefore, more than 66 months of capacity is available to Alpena County.

Alpena County can rely on Waters Landfill for its future disposal needs. Please feel free to contact me if I can provide any further information.

Sincerely,
Waste Management



Debora L. Johnston
Divisional Engineer

c: Chad Crawford, WM - Waters



ATTACHMENT C

Maps

Map showing locations of solid waste disposal facilities used by the County

Map of percent change in population density from 1970 to 1990 in Northeast Michigan

Map of percent change in population from 1970 to 1990 in Northeast Michigan

% Change 1970 - 1990

Population Density

Legend

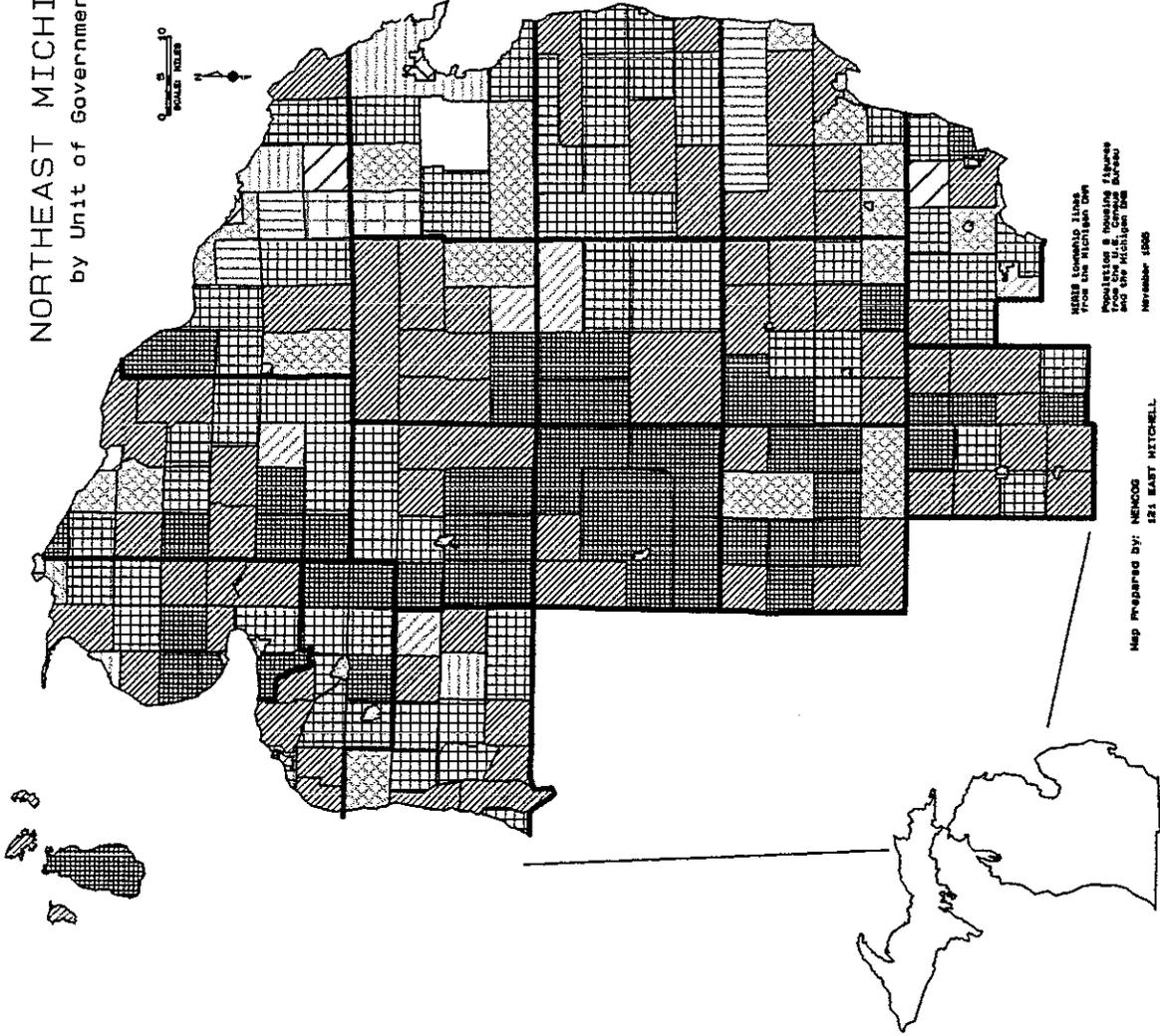
-  -16.01% & Less
-  -9.01% to -16.00%
-  -6.01% to -9.00%
-  -4.01% to -6.00%
-  -1.01% to -4.00%
-  -1.00% to 1.00%
-  1.01% to 4.00%
-  4.01% to 6.00%
-  6.01% to 9.00%
-  9.01% to 16.00%
-  16.01% to 25.00%
-  25.01% to 75.00%
-  50.01% to 100.0%
-  100.01% & Greater

Change in Persons
Per Square Mile

NEMCOG GIS Program

NORTHEAST MICHIGAN

by Unit of Government



1988 MEMPHIS DATA
FROM THE MICHIGAN DEPT.
OF NATURAL RESOURCES
AND THE MICHIGAN DEPT.
OF CORRECTIONS
NOVEMBER 1988

MAP PREPARED BY: NEMCOG
1241 EAST MITCHELL
BAYLORD, MICHIGAN

POPULATION

% CHANGE: 1970-1990

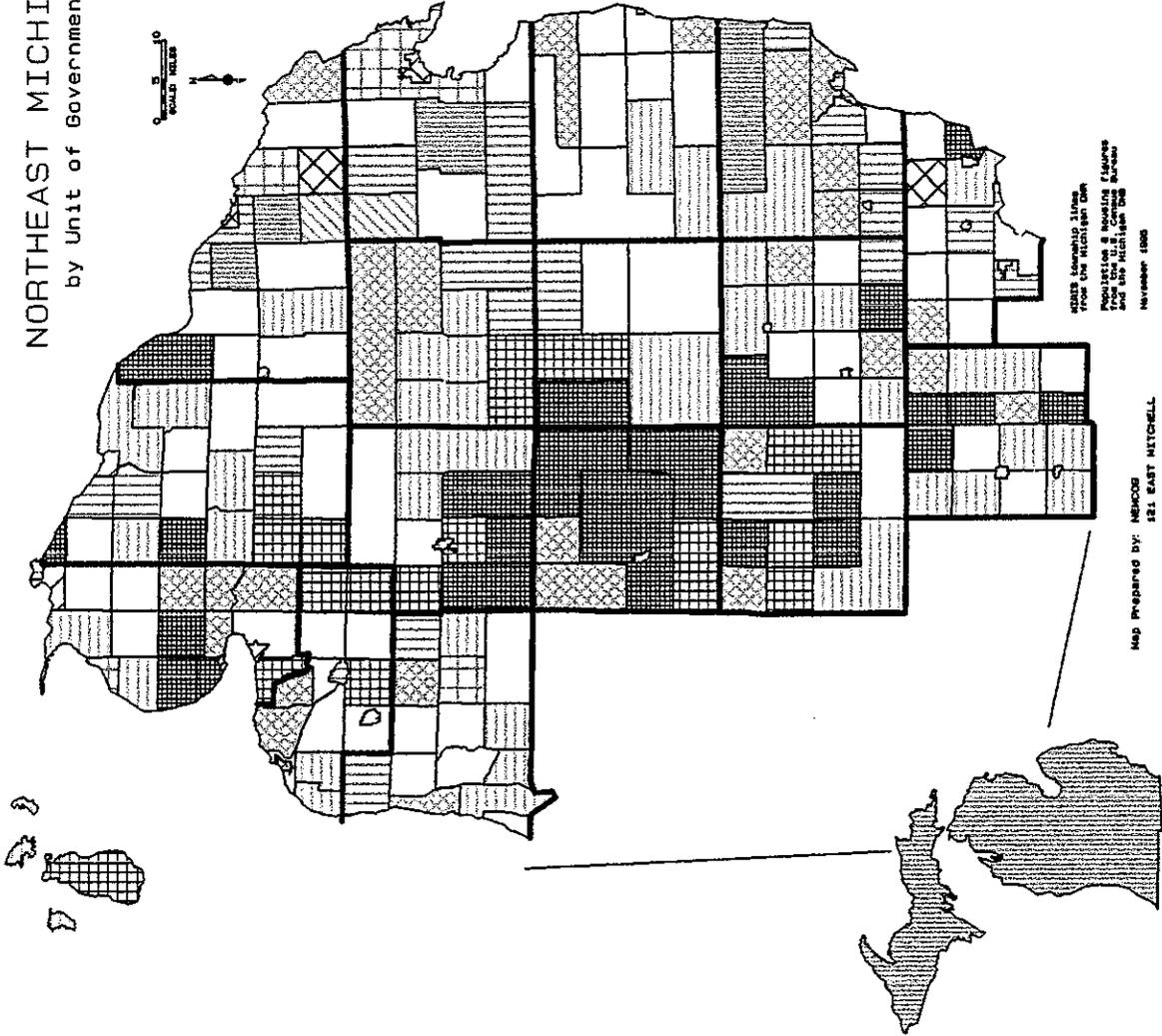
Legend

- ☒ -10.00% & Less
- ▧ -9.99% to -1.01%
- ▨ -1.00% to 1.00%
- ▩ 1.01% to 5.00%
- 5.01% to 10.00%
- 10.01% to 25.00%
- 25.01% to 50.00%
- ▬ 50.01% to 75.00%
- ▭ 75.01% to 100.00%
- ▮ 100.01% to 125.0%
- ▯ 125.01% & Greater

Northeast Michigan
16 Counties by MCD

NEMCOG GIS Program

NORTHEAST MICHIGAN
by Unit of Government



DATA SOURCES: 1970
FROM THE MICHIGAN DEPT.
POPULATION & HOUSING SURVEY
FROM THE U.S. CENSUS BUREAU
AND THE MICHIGAN DEPT.
NOVEMBER 1990

Map Prepared by: NEMCOG
121 EAST MITCHELL
BAYLORD, MICHIGAN

ATTACHMENT D

Inter-County Agreements

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

NONE

ATTACHMENT E

Special Conditions

Special conditions affecting import or export of solid waste

*O = Other conditions for current export volume authorization of solid waste. 100 % of Alpena County's Industrial Waste, as defined by the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), Part 115, Solid Waste Management, and its Administrative Rules, may be exported on a primary basis to the Waste Management, Inc Landfill located in Waters, Michigan

Industrial waste is defined in the Act as follows: "Industrial waste" means solid waste which is generated by manufacturing or industrial processes or originates from an industrial site and which is not a hazardous waste regulated pursuant to the provisions of act 64.

ATTACHMENT F

Tipping Fee Projections

Tipping fee projections for the Montmorency-Oscoda Sanitary Landfill

MONTMORENCY/OSCODA LANDFILL PROJECTION
145,000 CYD/YR @\$10/CYD; 10 YR BOND PAYBACK

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
EXPENSES CAPITAL										
Cell Construction Area (Acres)	-	5.4	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
Cell Construction	\$0	\$2,400,000	\$800,000	\$800,000	\$800,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Financial Assurance			A	A	A	B	B	B	B	B
Cash	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Financial Test	\$579,828	\$0	\$684,720	\$253,600	\$253,600	\$253,600	\$126,800	\$126,800	\$126,800	\$126,800
Bonding Required	\$0	\$2,400,000	\$735,472	\$655,229	\$748,520	\$455,094	\$465,491	\$531,767	\$607,480	\$693,973
EXPENSES ANNUAL										
Financial Assurance (Cash)	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Operations and Capping	\$651,200	\$671,900	\$750,000	\$750,000	\$750,000	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000
Bond Payment	\$128,800	\$128,100	\$341,712	\$446,429	\$539,720	\$646,294	\$711,091	\$777,367	\$853,080	\$939,573
Total	\$780,000	\$800,000	\$1,385,472	\$1,305,229	\$1,398,520	\$1,555,094	\$1,565,491	\$1,631,767	\$1,707,480	\$1,793,973
REVENUE ANNUAL										
Total Potential CYD/Yr	85,000	145,000	145,000	145,000	145,000	150,000	150,000	150,000	150,000	150,000
Tipping Fee - Gate	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
Tipping Fee - Average	\$9.30	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
Total	\$790,500	\$1,450,000	\$1,450,000	\$1,450,000	\$1,450,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
BALANCE (Not including cell construction)	\$10,500	\$650,000	\$64,528	\$144,771	\$51,480	(\$55,094)	(\$65,491)	(\$131,767)	(\$207,480)	(\$293,973)
NET CASH	\$10,500	\$650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: This spreadsheet utilizes many assumptions and estimates to allow an indication of future financing of the Landfill expansion. Capital Consultants Engineers is NOT an accounting firm and this spreadsheet does not represent a business plan.

The principle assumptions utilized for these calculations are as follows:

Bond payments are for prior year bonding required for cell construction with a TEN year payback at SEVEN % interest

Financial assurance "Cash" is 30% of the overall financial assurance required

Financial assurance "Financial Test" is 70% of the overall financial assurance required

The refuse volume is 145,000 CYD/Yr, the maximum anticipated with Montmorency, Oscoda, and Alpena counties refuse

The tipping fee for the new landfill will be \$10/CYD

**MONTMORENCY/OSCODA LANDFILL PROJECTION
145,000 CYD/YR @\$11/CYD; 10 YR BOND PAYBACK**

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
EXPENSES CAPITAL										
Cell Construction Area (Acres)	-	5.4	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
Cell Construction	\$0	\$2,400,000	\$800,000	\$800,000	\$800,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Financial Assurance			A	A	A	B	B	B	B	B
Cash	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Financial Test	\$579,828	\$0	\$684,720	\$253,600	\$253,600	\$253,600	\$126,800	\$126,800	\$126,800	\$126,800
Bonding Required	\$0	\$2,400,000	\$590,472	\$489,583	\$559,290	\$233,922	\$212,828	\$243,130	\$277,747	\$317,293
EXPENSES ANNUAL										
Financial Assurance (Cash)	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Operations and Capping	\$651,200	\$671,900	\$750,000	\$750,000	\$750,000	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000
Bond Payment	\$128,800	\$128,100	\$341,712	\$425,783	\$495,490	\$575,122	\$608,428	\$638,730	\$673,347	\$712,893
Total	\$780,000	\$800,000	\$1,385,472	\$1,284,583	\$1,354,290	\$1,483,922	\$1,462,828	\$1,493,130	\$1,527,747	\$1,567,293
REVENUE ANNUAL										
Total Potential CYD/Yr	85,000	145,000	145,000	145,000	145,000	150,000	150,000	150,000	150,000	150,000
Tipping Fee - Gate	\$10	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11
Tipping Fee - Average	\$9.30	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11
Total	\$790,500	\$1,595,000	\$1,595,000	\$1,595,000	\$1,595,000	\$1,650,000	\$1,650,000	\$1,650,000	\$1,650,000	\$1,650,000
BALANCE (Not including cell construction)	\$10,500	\$795,000	\$209,528	\$310,417	\$240,710	\$166,078	\$187,172	\$156,870	\$122,253	\$82,707
NET CASH	\$10,500	\$795,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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Financial assurance "Financial Test" is 70% of the overall financial assurance required

The refuse volume is 145,000 CYD/Yr, the maximum anticipated with Montmorency, Oscoda, and Alpena counties refuse

The tipping fee for the new landfill will be \$11/CYD

**MONTMORENCY/OSCODA LANDFILL PROJECTION
145,000 CYD/YR @\$12/CYD; 10 YR BOND PAYBACK**

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
EXPENSES CAPITAL										
Cell Construction Area (Acres)	-	5.4	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
Cell Construction	\$0	\$2,400,000	\$800,000	\$800,000	\$800,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Financial Assurance			A	A	A	B	B	B	B	B
Cash	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Financial Test	\$579,828	\$0	\$684,720	\$253,600	\$253,600	\$253,600	\$126,800	\$126,800	\$126,800	\$126,800
Bonding Required	\$0	\$2,400,000	\$445,472	\$323,938	\$370,061	\$12,750	\$0	\$0	\$0	\$0
EXPENSES ANNUAL										
Financial Assurance (Cash)	\$0	\$0	\$293,760	\$108,800	\$108,800	\$108,800	\$54,400	\$54,400	\$54,400	\$54,400
Operations and Capping	\$651,200	\$671,900	\$750,000	\$750,000	\$750,000	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000
Bond Payment	\$128,800	\$128,100	\$341,712	\$405,138	\$451,261	\$503,950	\$505,765	\$505,765	\$505,765	\$505,765
Total	\$780,000	\$800,000	\$1,385,472	\$1,263,938	\$1,310,061	\$1,412,750	\$1,360,165	\$1,360,165	\$1,360,165	\$1,360,165
REVENUE ANNUAL										
Total Potential CYD/Yr	85,000	145,000	145,000	145,000	145,000	150,000	150,000	150,000	150,000	150,000
Tipping Fee - Gate	\$10	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12
Tipping Fee - Average	\$9.30	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12
Total	\$790,500	\$1,740,000	\$1,740,000	\$1,740,000	\$1,740,000	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000
BALANCE (Not including cell construction)	\$10,500	\$940,000	\$354,528	\$476,062	\$429,939	\$387,250	\$439,835	\$439,835	\$439,835	\$439,835
NET CASH	\$10,500	\$940,000	\$0	\$0	\$0	\$0	\$39,835	\$39,835	\$39,835	\$39,835

NOTE: This spreadsheet utilizes many assumptions and estimates to allow an indication of future financing of the Landfill expansion. Capital Consultants Engineers is NOT an accounting firm and this spreadsheet does not represent a business plan.

The principle assumptions utilized for these calculations are as follows:

Bond payments are for prior year bonding required for cell construction with a TEN year payback at SEVEN % interest

Financial assurance "Cash" is 30% of the overall financial assurance required

Financial assurance "Financial Test" is 70% of the overall financial assurance required

The refuse volume is 145,000 CYD/Yr, the maximum anticipated with Montmorency, Oscoda, and Alpena counties refuse

The tipping fee for the new landfill will be \$12/CYD

ATTACHMENT G

Public Involvement Process

Documentation of the Public Involvement Process

**SOLID WASTE
PLANNING COMMITTEE**

**SW MANAGEMENT
INDUSTRY**

Bill Dashner
Evergreen Recycling
6355 Bear Springs
Hubbard Lake MI 49747
hm: 517-727-3190
wk: 517-3562161 ext. 246

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City Envir. Services, Inc
11375 Sherman Road
Frederic MI 49733
ph: 517-732-3553

Linda Jewell
Jewell's Disposal
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Posen MI 49776
ph: 517-379-4771

Gerald Steinke
Thunder Bay Sanitation
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Hillman MI 49746
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INTEREST
GROUPS**

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ph: 517-356-1817

Lynn Wallace
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ph: 517-379-4415

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GENERATORS**

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ext. 2213

**COUNTY
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Bob Fornier
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Connie Stafford
Alpena News
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Alpena MI 49707-0367

Jim Johnson
MDEQ/Waste Mgt. Div.
PO Box 30241
Lansing, MI 48909

MEETING NOTICE

Alpena County Solid Waste Planning Committee

January 13, 1998

6:30 p.m.

Alpena Community College

CTR 106

Alpena, MI 49707

Agenda

I. Introductions

II. Solid Waste Plan Overview

III. Purpose of Solid Waste Planning Committee

IV. Election of Chair

V. Development of Goals and Objectives

VI. Discussion of Solid Waste Management Alternatives

A. Collection System

B. Recycling

C. Reduction

D. Disposal

E. Costs

VII. Next Meeting

VIII. Adjournment

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P.O. Box 367, Alpena, MI 49707

MEETING NOTICES

MEETING NOTICE

Alpena County Solid Waste Planning Committee
January 13, 1998
6:30p.m.
Alpena Community College
CTR 106
Alpena, MI 49707.

AUTOMOTIVE (CARS)

AUDI 100 Sedan 1991. Fully loaded, excellent condition. Looking to sell for \$9,500 or best offer. 354-8959.

DODGE DAYTONA. 1989. 1-owner. 4 cylinder. 5-speed. Runs & drives good. Sporty. \$1,850. 727-8007.

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GEO METRO LSI. 1995. 45mpg. Good condition. \$4,500. 724-6952.

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AUSTANG. 1988 4 cylinder, 5-speed. \$600. 354-8135.

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resume and cover letter Shelter Inc., P.O. Box 797, Alpena, Michigan 49707 by January 15th. Shelter is an EO
BABYSITTER FOR my 4 old son, occasional even (after 4:30p.m.-?). Transportation preferred. My home yours. Must be energetic & lovable. 358-1173, leave message.

BABYSITTER NEEDED, shift only, occasional weekends. Must be 18. 354-51

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CLASS STARTS JANUARY 19TH!!!!

Tendercare Alpena is now accepting applications for individuals interested in becoming Competency Evaluated NAs (CENA's). This class is free of charge and leads to a staff position here at Tendercare. No experience necessary except a warm, caring, compassionate attitude. Feel free to inquire about this newly created Unit Service Aide position. Please apply either in person at Long Rapids Road, Alpena

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2-BEDROOM UPSTAIRS, \$385 plus security deposit, all utilities included. 595-3056.

2-BEDROOM, SOUTHSIDE, \$425 a month plus security. Includes heat, water, and trash removal. No pets. 358-0141 or 356-1677.

AVAILABLE MID-JANUARY, 2 bedroom, includes heat, water, trash removal. \$375 monthly. Call between 8a.m.-3p.m., 356-3434, ask for Moe - WBKB TV.

CLEAN, 2-BEDROOM, 1-1/2 bath apartment at Birch Acres. Appliances, drapes, and all utilities included except lights. No pets. 1 year lease. \$425 monthly. Call 471-5238.

CLEAN, QUIET, lower 1 bedroom northside apartment. \$300 monthly, includes utilities. \$300 deposit. 471-8534.

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#2002- QUALITY BUILT 3 bedroom ranch at 3080 Lakeview Circle in Lincoln - 1 & 3/4 baths, 1,456 sq.ft. FULL basement features 13x32 family room, sauna room, store room, snack bar, laundry & work area. Property is 200x200 (2 lots). Super deck with hot tub. Fireplace. Shed. Nicely landscaped. Ample closets & storage. \$99,900.

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- 12:00 Noon Friday
- * **SHOPPER'S EXPRESS DEADLINE** *
- 5:00 p.m. Tuesday
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THE ALPENA NEWS
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**Minutes
of the
Alpena County Solid Waste Planning Committee Meeting**
January 13, 1998
6:30 PM
Alpena Community College CTR 106

Call To Order

The meeting was called to order at 6:35 pm by Diane Rekowski, Director of Northeast Michigan Council of Governments, the Designated Planning Agency (DPA).

Introductions

Introduction of committee members in attendance. Committee members present: Dolores Baker, Mary Ann Wikaryasz, Al Bakalarski (alternate), Al Nadeau, Bill Dashner, Dave Herberholz, Scott Smith, Dave Karschnick, Bud Wegmeyer, Dolores Baker, Lynn Wallace, Ken Hubbard.

NEMCOG Staff Present: Diane Rekowski, Sarah Zorn.

General Public Present: Ken Lobert, Connie Stafford, Monica McKay, Heidi Royer, Amy Zbytowski, Michelle Syzmanski, Nozomi Komoda, Michael Beaubien, Chrissy Bagnieski, Sandra Kapala, and students from a local high school government class sat in on the meeting to fulfill a class requirement.

Solid Waste Plan Update Review

Diane Rekowski reviewed the process required for updating the Alpena Solid Waste Management Plan. She passed out a flow chart that explains the plan approval process and reviewed steps necessary for getting the plan approved.

Purpose of Solid Waste Planning Committee

Diane Rekowski explained the purpose of the Solid Waste Planning Committee and explained their responsibilities. She passed out a handout describing the Committees responsibilities including assisting in Plan development (particularly developing goals and objectives, solid waste management alternatives and selected system, resource recovery program and implementation), identifying local policies and priorities, insuring coordination and public participation, advising counties and municipalities, reviewing work elements and approving the plan and sending it to the County. Responsibilities also include authorizing the plan for public comment and review,

holding a public hearing and reviewing public comments and making any necessary changes to the Plan.

Election of Chair

Dolores Baker moved, seconded by Bill Dashner to elect Scott Smith as Committee Chair. Ayes all, motion carried. Bud Wegmeyer agreed to act as chair if Scott Smith is unable to attend a meeting.

Discussion followed on meeting procedures. It was decided that meeting procedure would follow the Revised Roberts Rule of Orders.

Review of Alpena County Solid Waste Management System

Diane Rekowski reviewed the present Alpena Solid Waste Management System, which included information on collection of solid waste, solid waste haulers currently operating within the county, where they haul to, location of landfills in the region and where transfer stations and composting currently exist.

The Committee then reviewed the Update Plan Format, and discussed what the DPA had developed so far in the Database section of the Plan Update. —

Identification of Problems

Discussion then took place on problems, deficiencies, and issues committee members see in the present solid waste management system. Following are the concerns that were discussed:

Committee members discussed concern with household hazardous waste and the need to get this type of waste out of the waste stream. Household hazardous waste is not something easy to deal with but it is important for the environment that this be disposed of properly. It was mentioned that Alcona County in Lincoln collects household hazardous wastes and maybe Alpena County could start a program modeled after them or join them in an annual collection day. Having an annual collection day would create enough volume to be viable to work with. Education is needed; people don't know what to do with their household hazardous waste. Education for children is especially important.

There was concern over people dumping in the woods. Committee members feel the main reason people do this is because it is free. They see all kinds of things dumped in the woods like tables, chairs and white goods. It was felt that when the City Dump closed, which was free, more dumping in the woods started because the poorer families can't afford the dumping fees.

Development of Goals and Objectives

Sarah Zorn distributed a handout that reviewed goals and objectives. Discussed what the state goals are for reducing amounts of waste going to landfills. Reviewed DEQ example goals and objectives and then reviewed goals and objectives from the 1989 Alpena Solid Waste Plan. It was felt that the objectives in the old plan were not very action oriented but were more mini-goals and that objectives need to be more specific.

It was agreed that the DPA should write a rough draft of goals and objectives based on the issues and problems discussed in this meeting. The DPA will then send out the goals and objectives to all the committee members who will review them and write their own comments and then mail them back to the DPA. The DPA will write a second draft based on committee member comments and bring that draft to the next Planning Committee meeting. At the next meeting the committee will finalize the goals and objectives, breaking into groups to discuss and rewrite them if necessary.

The question was raised if it is known where Alpena County stands in relation to state waste reduction goals. This was suggested as something valuable to look into.

Discussion of Solid Waste Management Alternatives

Scott Smith, the committee chair, opened the discussion to methods of solid waste management. Many of the ideas touched on in this discussion were discussed or mentioned earlier in the meeting. Discussion included:

Recycling-- How to make it work, many problems because such a rural community, associated costs, where could the money come from- a millage or dumping fees. Roger Fry, general public and Montmorency County Board of Commissioners, suggested a possible 3 county processing facility that would have a central area of waste collection and would use prison labor to sort recyclables from waste or have source separation.

Collection-- make it more efficient with less overlap, look in the possibility of franchising, add transfer stations instead of taking them away because they are needed and local residents really rely on them.

Reduction-- reuse, educate to create less waste and less packaging in products

Composting-- yard wastes need to be addressed

City Transfer Station-- How should this fit in, is it best run by the City or as part of Montmorency Oscoda Sanitary Landfill, how can this best be used, trucks are not using it very much now.

Other suggestions included: best recycling is where you separate it yourself, need to include education because many people don't know where to take their waste or how to get rid of it, could tipping fees be used for education, use touch screen as education tool, collect information so we know how much waste Alpena is generating

Lack of recycling is a problem. One of the biggest difficulties with getting recycling going in Alpena is the volume. With a low volume the program is not very viable and it would be hard to break even. There is a problem in getting it from collection to the market. The market for recycled goods has dried up(costs are too high). Costs of transporting materials are too high. Wisconsin has a good recycling program because they mandate recycling. Like pop cans in Michigan with a ten cent deposit, there needs to be some sort of initiative for people to do something. Might need funding to get recycling going and grant funding is scarce. Would it be possible to get a millage to pay for recycling or raise dumping fees to cover recycling costs. There is need for a large space to collect things for recycling. It is necessary to have a storage cite and manpower to run a recycling program. There has to be a steady inflow before you can sell it to a market. There is a market for recycled goods but part of the problem is getting it there. A problem for recycling in Alpena County is there is no centralized storage facility so it would be hard to start or to keep a program going. Transportation costs are higher for rural areas. Equipment is needed for recycling and Alpena doesn't have any right now.

Concern was expressed that people don't know what to do with their white goods. General feeling that they are not handled very well. Need for some education on what to do with white goods. Interest in having semi- annual or annual collection days but unsure about what to do about costs associated with that.

The solid waste haulers are not very efficient in their routes and they are not well coordinated. Currently there are several different haulers collecting on one street. People do like having a choice between companies. Alan Bakalarski suggested looking into franchising the haulers to eliminate some of the overlap and make the collection system more efficient.

There was concern over the future of the transfer station. The city owns it now but contracts it out for 2 year contracts. Not many haulers use the transfer station but local residents do use it. Concern over what local residents would do if it closes down. How to get more haulers to use it?

Members discussed the possibility of an ordinance to regulate what goes into the waste stream. If it is mandated that it can't go to landfill then people will be forced to learn to recycle or properly dispose of their household hazardous waste.

Concern was also generated over the possibility of the Montmorency- Oscoda Sanitary Landfill closing. They do not want to lose that option for disposal.

multi-county recycling
7/21/98

Scott Smith
District Health Dept. #4
100 Woods Circle
Alpena MI 49707

Mary Bray
Alpena News
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Mikado MI 48745

Kerry Sanford
Resource Recycling Systems
416 Longshore Drive
Ann Arbor MI 48105

Tom Edison
MSU Ex - Montmorency
PO Box 415
Atlanta MI 49709

Date: January 14, 1998

To: All Solid Waste Committee Members

From: Diane Rekowski, Director

This is to notify you that the Planning Committee meeting regarding recycling options, will be held on January 22, 1998 at the Alpena County Health Department. This meeting is open to the public.

A copy of the meeting notice is enclosed.

Alpena County Proposed Recycling Program
District #4 Health Department
1/22/98

I. Introductions: Dolores Baker, Ted Cavin, Dick Silver, Lynn Harvey, Al Nadeau, Bill Dasher, Bud Wegmeyer, Al Bakalarski, Diane Rekowski.

II. Discussion on Overall Program

Overall Guiding Principle: Must make program convenient for working families.

A. Collection:

1. Convenient Dropoff sites: Compartmentalized Containers
Possible locations: Glen's, Carter's, schools, hospital, industries.
2. Curbside: Possible in densely developed areas. Could contract out for pick up. Evergreen is currently picking up at some homes, could expand program. To provide homeowner incentive, the City could franchise and require volume based pricing
3. Equipment Needs: Forklift Truck for container pickup.

B. Processing Facility:

1. Possibilities: City Transfer Station, expansion of Current Evergreen Recycling Center, Multi-county at Montmorency - Oscoda Sanitary Landfill.
2. Equipment Needs: Balers, conveyor system, glass crusher. May be able to obtain good used equipment.
3. Labor: Evergreen Client's wages are currently subsidized by Community Mental Health.

C. Marketing

1. Direct from processing site.

Public Comment

Wayne Vermilya encouraged regional cooperation especially because areas here don't have enough solid waste or recyclables to make it on their own very well, pooling waste provides good volumes and will provide the whole region with more options, warned that if one entity controls it we all will lose control so it is important to keep regional cooperation open.

Schedule Next Meetings

A recycling discussion will be held January 22 at 10 am at the Health Department. Any one interested in discussing recycling can attend. A meeting notice will be sent and a notice will be placed in the paper for anyone interested in participating in the discussion.

The next Planning Committee meeting will be held February 17 6:pm at Alpena Community College.

Notices for these meetings will be sent out the Planning Committee members and will also appear in the newspaper.

Meeting adjourned at 8:pm.

MEETING NOTICE

Open Meeting Of The Alpena County Solid Waste Planning Committee
To Discuss **Recycling** Options In Alpena County

PUBLIC INVITED

January 22, 1998

10:00 a.m.

Alpena County Health Department (District No. 4)
100 Woods Circle, Alpena, MI 49707

Date: 1/26/98

To: Alpena County Solid Waste Committee Members

From: Diane Rekowski *DR*

RE: Goals and Objectives

I have enclosed a draft of possible goals and objectives for Alpena County's Solid Waste Plan Update. Please review and send back any comments, changes, or additions to me, and I will revise the draft goals and objectives prior to the February 17th meeting. Thank you for your assistance.

Alpena County Solid Waste Planning Committee
February 17, 1998
6:30 p.m.
Alpena Community College
CTR 106
Alpena, MI 49707

Agenda

- I. Introductions
- II. Review of Goals and Objectives
- III. Review and discussion of County Recycling Program
- IV. Review of Solid waste Management Alternatives
- V. Public Comment
- VI. Next Meeting Date
- VII. Adjournment

**Minutes
of the
Alpena County Solid Waste Planning Committee
February 17, 1998
Alpena Community College
Alpena, MI**

Call To Order

The meeting was called to order by Chair Scott Smith at 6:30 p.m.

Members Present

Scott Smith, Bud Wegmeyer, Dolores Baker, Lynn Wallace, Bill Dashner, Grant Sork, Dave Herberholz, Dave Karschnick, Al Bakalarski (alternate), Kevin Steinke. Others Present: Terry Dickinson, William Domke, Marie Twite, Ronald Lucas, Michael Meharg, Carol Shafto, Connie Stafford, Mike Markowski. DPA: Diane Rekowski

Review of Goals and Objectives

A draft copy of the goals and objectives were sent to all committee members prior to the meeting. Discussion then followed on each of the goals and objectives. Changes will be made to the draft goals and objectives and sent prior to the next meeting.

Review and Discussion of County Recycling Program

Dolores reported to the committee that she had contacted Emmet County in regards to their county-wide recycling program. The program is a model for other rural communities and could be used as a model for Alpena County.

Diane informed the committee that a meeting was held on January 22, 1998 at District #4 Health Department to discuss a county-wide recycling program. The meeting was advertised in the paper with the public invited to attend. An outline was distributed of the results of the discussion. Those in attendance at the recycling meeting felt that it was extremely important to develop a recycling program which is convenient for working families. They envisioned a drop-off system utilizing compartmentalized containers conveniently located near grocery stores, schools, industries. The processing facility, coordinated perhaps with Evergreen, Inc. could be either at Evergreen's current site (would have to be expanded) or possibly at the transfer station. Education, was discussed as a key component of the overall program. Funding possibilities include grant procurement, donations (containers), and landfill surcharges.

Discussion then took place on recycling. It was decided that a field trip to the Emmet County Recycling Center would be very beneficial. A tentative date of Wednesday March 18, 1998 at 11:00 a.m. was set. Diane will call and set up tour. All those interested in attending should meet at the District Health Department at 8:30 a.m. Bill Dashner agreed to be local contact for tour. Diane will send a memo to committee members when meeting date and time is established.

**Alpena County Solid Waste Planning Committee
Wednesday, April 1, 1998
6:00 p.m.
Alpena Community College
CTR 106
Alpena, MI 49707**

Agenda

- I. Call to Order
- II. Recycling Center Tour Update
- III. Solid Waste Management Data Base Review
- IV. Review/Selection of Solid Waste Management System
- V. Public Comment
- VI. Next Meeting Date
- VII. Adjournment

**Minutes of the
Alpena County Solid Waste Planning Committee Meeting**

Wednesday April 1, 1998
Alpena Community College
Alpena, MI

Call to Order

The meeting was called to order by chair Scott Smith at 6:10 PM

Members Present

Scott Smith, Bud Wegmeyer, Alfred Nadeau, Mary Ann Wikaryasz, Dolores Baker, Dave Herberholz, Gerald Steinke, Bill Dashner, Lynn Wallace, Linda Jewell Others Present: Mark Hunter, Bob Fournie, Bill Gilmey, Kenneth Gauthier, Roger Frye, Terry Dickinson, Link Hibernig, Ken Paquet, Chad Chapman, Wayne Vermilya DPA: Diane Rekowski, Sarah Zorn

Minutes of Previous Meeting

Reviewed minutes and motion carried to approve the Minutes of February 17th meeting.

Recycling Center Tour Update

Scott Smith gave a review of the tour of Emmet County Recycling Center on March 18th. Due to bad weather many people were unable to attend. The Committee expressed interest in seeing the recycling center so another tour was tentatively set for April 29th at 10:30AM. People from Alpena can meet at the Health Department at 8:30 AM to carpool. Diane will call Elisa Seltzer to set up the tour. Montmorency County will be told of the tour to see if anyone from that county would like to come.

Solid Waste Management Database Review

Diane announced the potential merger of Waste Management and USA Waste. This merger will not be finalized until the fall. Discussion followed.

Diane reviewed the draft of the Goals and Objectives. Changes suggested at the last meeting had been incorporated. It was suggested to add a third goal of ensuring competitive pricing for residents. There was positive response to having this as a goal. If committee members have ideas for objectives under this goal they will write them down and send them to the DPA.

Diane reviewed the waste generation rates that had been calculated for Alpena County. In calculating the generation rates an industrial survey had been conducted to get an idea of the amount of industrial waste. The results of the industrial survey were distributed and it was noted that many of the industries already recycle a lot of their wastes. Diane reviewed the waste projections from the Solid Waste Stream Assessment, the 1996 DEQ Report and the 1997 DEQ Report. She also discussed the recycling component of the waste stream and there is a good portion of the waste stream available to recycle.

Review/Selection of Solid Waste Management System

Outline of the two solid waste management alternative were passed out along with a sheet on resource conservation efforts that the committee had expressed an interest in pursuing. Diane reviewed the Resource Conservation Efforts sheet. The ideas on the sheet were based on issues the committee had indicated a strong interest in instituting such as recycling, composting, and purchasing recycled goods. It was suggested to add the importance of buying goods that reduce waste (for example those with less

MEETING NOTICE

Alpena County Solid Waste Planning Committee

May 27, 1998

6:00 p.m.

Alpena Community College

CTR 106

Alpena, MI 49707

Agenda

I. Members Present

II. Review and discussion of Recycling Tour and Program

III. Review of Draft Solid Waste Management Plan

IV. Public Comment

V. Authorization for Plan to go out for Public Review

VI. Establish Public Hearing Date and next Planning Committee Meeting Date

VII. Adjournment

Date: 5/13/98

To: Alpena County Solid Waste Planning Committee

From: Diane Rekowski

RE: Multicounty Recycling Meeting

A meeting has been scheduled with representatives from the Montmorency-Oscoda Solid Waste Planning Committee, on June 9, 1998; 10:00 a.m. at the VFW Hall in Hillman to discuss the concept of developing a multicounty recycling program. Please feel free to invite anyone else that may be interested in assisting in this effort.

Multi-County Recycling Meeting

10:00a.m.

June 9, 1998

VFW Hall

Hillman, MI

Agenda

I. Introductions

II. Regional Solid Waste Overview

A. Solid Waste Disposal

B. Resource Recovery Plans

III. Recycling Opportunities Discussion

IV. Next Steps

V. Adjournment

Multi-County Recycling Meeting

Combined Solid Waste Generation (Alcona, Alpena, Montmorency, Oscoda)

County	1997	SW GEN I/Yr	2005	SW GEN I/Yr	2010	SW GEN I/Yr
Alcona	10,980	4007	12,230	4464	12,372	4,515
Alpena	31,664	22,273	33,622	23,602	34,567	25,228
Montmorency	9980	5464	11,948	6542	13,224	7240
Oscoda	8844	4842	10306	5643	11,166	6113
TOTAL	61,468	36,586	68,106	40,251	71,329	43,096

Recycling Portion of Combined Wastestream

<u>Material</u>	<u>%</u>	<u>2005</u>	<u>10%</u>	<u>2010</u>	<u>15%</u>
Paper	40	16,100 T/Yr	1610 T/Yr	17,238 T/Yr	2,585 T/Yr
Plastics	10	4025 T/Yr	402 T/Yr	4,309 T/Yr	646 T/Yr
Glass	5	2012 T/Yr	201 T/Yr	2,155 T/Yr	323 T/Yr
Metals	6	2415 T/Yr	241 T/Yr	2,585 T/Yr	388 T/Yr
Aluminum	1	402 T/Yr	40 T/Yr	431 T/Yr	65 T/Yr

Composting:

	<u>2005</u>	<u>25% Goal</u>	<u>2010</u>	<u>50% Goal</u>
4% of Wastestream	1610 T/Yr	402 T/Yr	1723 T/Yr	862 T/Yr

MEETING NOTICE

Alpena County Solid Waste Planning Committee

June 9, 1998

5:00 p.m.

NOTE TIME CHANGE

Alpena Community College

CTR 106

Alpena, MI 49707

Agenda

- I. Members Present
- II. Recycling Tour and Program Update
- III. Review of Draft Solid Waste Management Plan
- IV. Public Comment
- V. Authorization for Plan to go out for Public Review
- VI. Establish Public Hearing Date and Next Planning Committee Meeting
- VII. Adjournment

*****NOTE:** This meeting has been rescheduled from May 27th to June 9th. Please return the enclosed postcard as to whether you can attend this meeting. A quorum is needed to move this plan forward to the Public Review Phase.

**Minutes
of the
Alpena Solid Waste Planning Committee
June 9, 1998
6:00p.m.
Alpena community College
CTR 106
Alpena, MI**

Call To Order:

The meeting was called to order by Chair Scott Smith at 6:00pm.

Members Present:

Mary Ann Wikaryasz, Allan Bakalarski (Alternate), Dave Karschnick, Scott Smith, Gerald Steinke, Bill Dashner, Dave Herberholtz, Dolores Baker, Bud Wegmeyer, Kenneth Hubbard, Lyn Wallace, Linda Jewell, Diane Rekowski, DPA. Others: Michael Meharg, William Domke, Joyce McClain, Bob Fournier, Lillian Suchey, Marie Twite

Minutes of Previous Meeting:

Moved by Bud Wegmeyer, seconded by Mary Ann Wikaryasz to approve the minutes of the previous meeting as presented. Ayes all, motion carried.

Recycling Program Update:

Scott Smith and Diane R. updated the committee on the tour of the Emmet County Recycling Center and the multi-county recycling meeting which took place today at 10:00 a.m. in Hillman. The tour of the Emmet County Recycling Facility was impressive and is a model for other rural areas. The multi-county recycling meeting was well attended. Representatives from Presque Isle County, Montmorency County, Oscoda County, Alcona County, Alpena County, USA Waste, and Resource Recycling Systems, were present. A lot of support was generated to pursue recycling on a multi-county basis. Diane will be attending the June 17th, MOSL Authority meeting to discuss the possibility of having the recycling program fall under the umbrella of the Authority. Anyone interested is invited to attend meetings.

Review of Draft Alpena County Solid Waste Plan:

Diane R. reviewed the changes to the solid waste plan. A meeting was held on 5/27/98, and discussion was held regarding the changes, however, a quorum was not present. Changes included import authorizations, contingency sites, and siting criteria. Scott Smith then opened the meeting for discussion on the plan. Issues raised were: not enough language on the transfer station, flow control, lack of City and Township input on joining the Landfill, population projections, contaminated waste, and government ownership of landfills. After much discussion of the Plan, Scott Smith asked for any Public Comments on the Plan. Joyce McClain informed the committee

Date: June 15, 1998

To: Local Municipalities

From: Diane Rekowski, NEMCOG-Designated Planning Agency *DR*

RE: Update of Alpena County's Solid Waste Management Plan

Please consider this notification that the 1998 Update to the Alpena County Solid Waste Management Plan is proceeding through the public comment phase.

The plan proposed by the Alpena County Solid Waste Planning Committee emphasizes the development of a resource recovery program with particular emphasis on initiating a county/multi-county recycling program. Primary disposal of Alpena County's solid waste will be the Montmorency-Oscoda-Alpena Sanitary Landfill in Montmorency County, with the USA Waste Landfill in Waters, and the Whitefeather Landfill in Bay County as contingency sites.

The Alpena County Solid Waste Planning Committee on June 9, 1998 moved the plan to the public comment phase. The 90 day public comment period will end September 15, 1998. Any written comments should be addressed to NEMCOG, the designated solid waste planning agency for Alpena County, and received before this date. These comments will be reviewed by the solid waste planning committee and considered in making the final amendment language recommendation to the Alpena County Board of Commissioners.

A public hearing will be held at the Alpena Community College, CTR 106 at 6:30 p.m. on July 29, 1998. No further notice will be sent concerning the public comment or public hearing. If you wish to comment on this proposed plan, please submit a written comment before the end of the 90 comment period.

Also, please note under the plan procedures that final approval of the plan rests in the hands of the county and local municipalities.

If you have any questions or would like to discuss the above, please don't hesitate to call me at (517) 732- 3551, ext. 12.

MEMORANDUM

DATE: 6/16/98

TO: Alpena County Townships

FROM: Diane Rekowski *DR*

RE: Solid Waste Plan

Enclosed please find a copy of the proposed 1998 update of the Alpena County Solid Waste Management Plan for public review. The 90 day public comment period began on June 15, 1998 and will end September 15, 1998. A public hearing will be held on July 29, 1998; 6:30 p.m. at Alpena Community College. Any comments on the Plan can be sent to NEMCOG at the above address.

We would appreciate this copy of the Alpena County Solid Waste Management Plan to be made available at your Township Hall for Public Review. Notification will be provided in the Alpena News as to the Public Hearing date and where the solid waste plans are available for review.

Please do not hesitate to contact me if you should have any questions or concerns.

MEMORANDUM

DATE: 6/16/98

TO: Alpena County Solid Waste Planning Committee

FROM: Diane Rekowski

RE: Public Hearing

I was notified that the date we picked for the public hearing, July 22, 1998 would not be good due to the Brown Trout Festival. We have therefore changed the date to the alternate date of Wednesday, July 29, 1998 at 6:30 p.m.. The location will be Alpena Community College, CTR 106.

Hope to see you there!



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 MACHINERY TOOLS & INDUSTRY
 CAMERAS & ACCESSORIES
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 ANTIQUES
 HOUSEHOLD GOODS
 BUSINESS EQUIPMENT
 MUSICAL MERCHANDISE
 WEARING APPAREL
 GIFT SUGGESTIONS
 MISCELLANEOUS WANTED
 SPORTING GOODS
 CHRISTMAS CORNER
 CAMPING & TRAVEL
 BOATING & FISHING
 SKIS & EQUIPMENT
 HUNTING EQUIPMENT
 SNOWMOBILES
 CYCLES & TRAIL BIKES
 COTTAGES, CAMPS FOR RENT
 ROOMS FOR RENT
 APARTMENTS FOR RENT
 COMMERCIAL RENTAL SPACE
 OFFICE SPACE RENTAL
 STORAGE SPACE RENTAL
 MOBILE HOMES FOR RENT
 HOMES FOR RENT
 HUNTING & FARM LAND RENT
 WANTED TO RENT
 CONDOMINIUMS FOR SALE
 CONDOS FOR RENT

CITY HOMES FOR SALE
 SUBURBAN - RURAL HOME SALE
 LOTS & HOMESITES
 INCOME PROPERTY FOR SALE
 COMMERCIAL PROPERTY SALE
 LAKE & RIVER PROPERTY
 ACREAGE FOR SALE
 FARMS FOR SALE
 HUNTING PROPERTY FOR SALE
 MOBILE HOMES FOR SALE
 REAL ESTATE WANTED
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 OUT OF STATE PROPERTY SALE
 LAND CONTRACTS & MORTGAGE
 MINERAL RIGHTS
 STORAGE PROPERTY FOR SALE
 FORECLOSURE LISTINGS

 SERVICE DIRECTORY
 ADVERTISING
 APPLIANCE REPAIR
 AUTO & TRUCK REPAIR
 AWNINGS
 BUILDING MAINTENANCE
 BUSINESS SERVICE
 BOOKKEEPING - TAX
 BUILDING CONTRACTORS
 CATERING
 CHIMNEYS
 CARE HOMES
 CARPET CLEANING
 CLEANING SERVICES
 CONSULTING
 COMPUTER SERVICES
 DECORATING
 DEER PROCESSING
 DRYWALL
 DRY CLEANERS
 ELECTRICAL

EXCAVATING CONTRACTORS
 GARAGE DOORS
 HEALTH
 HEATING/AIR CONTRACTORS
 HOME IMPROVEMENT
 HOME REPAIR
 INSULATION
 INSURANCE
 LANDSCAPE CONTRACTORS
 LAWN MAINTENANCE
 LEGAL SERVICES
 MASONRY
 MONEY TO LOAN
 MOVERS
 PAINTING
 PAVING CONTRACTORS
 PHOTOGRAPHY
 PLUMBING & HEATING
 REFRIGERATION & AIR CONDITIO
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 RENTAL
 REPAIR
 RESUME/TYPING
 ROOFING/SIDING
 SATELLITE SERVICES
 SECRETARIAL SERVICES
 SEPTIC TANK CLEANING
 SERVICES
 SEWING & ALTERATIONS
 SMALL ENGINE REPAIR
 SNOW REMOVAL
 TRANSPORTATION
 TREE REMOVAL
 TV & RADIO SERVICE
 UPHOLSTERERS
 VACUUM CLEANERS
 WELDERS
 WOODWORKING

PUBLIC NOTICES
 A PUBLIC HEARING on the proposed 1998 Update to the Alpena County Solid Waste Management Plan will be held at 6:30p.m. on Wednesday, July 29, 1998 at Alpena Community College, CTR 106. The plan proposed by the Alpena County Solid Waste Planning Committee emphasizes the development of a resource recovery program with particular emphasis on initiating a county/multi-county recycling program. Primary disposal of Alpena County's solid waste will be the Montmorency-Oscoda-Alpena Sanitary Landfill in Montmorency County, with the USA Waste Landfill in Waters, and the Whitefeather Landfill in Bay County as contingency sites. The plan can be reviewed at the following locations: Alpena County Board of Commissioner's Office, Alpena City Hall, Township Halls, Alpena County Library, and District #4 Department. Written comments will be accepted until September 15, 1998, and can be sent to NEMCOG, P.O. Box 457, Gaylord, MI 49734
ALPENA TOWNSHIP BOARD OF TRUSTEES NOTICE OF PUBLIC HEARING ON

PUBLIC NOTICES
 not less than 51% of the landowners owning land along North Pointe Shores Drive, a private road, approximately 3.5 miles in length lying in Sections 20 and 29, and 28 and 33 in Alpena Township, Alpena County, Michigan and the Township proposes to conduct an annual snow removal, grading, and maintenance improvement program and to create a special assessment district for a period of five (5) years for the recovery of the cost thereof by special assessment against the Lake front property lot owners benefited therein.
 PLEASE TAKE FURTHER NOTICE that the proposed Special Assessment District within which the foregoing annual private road snow removal, grading, and maintenance improvement program would be conducted and within which the cost thereof is proposed to be assessed has boundaries of, or the parcels therein are described, as follows:
 The 96 lake front lots fronting on North Pointe Shores Drive and Lake Huron, located in Sections 28, 29, and 33 Town 31 North

PUBLIC NOTICES
 the Township Clerk, and has passed a Resolution tentatively declaring its intention to conduct the program and to create the aforementioned Special Assessment District and has tentatively found the Petition to be in compliance with statutory requirements.
 PLEASE TAKE FURTHER NOTICE that a description of the annual program, estimated costs, proposed Special Assessment District, and Petition may be examined at the office of the Township Clerk from the date of this Notice until and including the date of the public hearing hereon and may further be examined at the public hearing.
 PLEASE TAKE FURTHER NOTICE that a public hearing upon such Petition, Annual Program, Estimate of Costs, and Proposed Special Assessment District will be held by the Alpena Township Board at the Alpena Township Hall at 4385 US-23 North, Alpena, Michigan within the Township, at 7:15p.m. on July 6, 1998
 PLEASE TAKE FURTHER NOTICE that the boundaries

PUBLIC NOTICES
 who appear to protest at the hearing.
 PLEASE TAKE FURTHER NOTICE that an owner or party in interest in the real property may file a written appeal of the special assessment with the state tax tribunal within thirty (30) days after the confirmation of the special assessment roll if that special assessment was protested at the hearing held for the purpose of confirming roll.
 Dated: June 12, 1998
 Christine Dubey
 Alpena Township clerk
 4385 US-23 North
 Alpena, MI 49707
 DUE TO a vacancy on the Maple Ridge Township Board the Board of Trustees is looking for interested township residents to serve as trustee on the Maple Ridge Township Board Interested residents should submit a written letter of application to Supervisor Mike Meharg, 6803 LaComb Rd., Alpena, MI 49707, no later June 30, 1998.
 Tammy Schultz
 Township Clerk
NOTICE OF BIDS WANTED

GARAGE SALES
 10206 OSSINEKE Road, Friday, 9a.m.-8p.m. & Saturday, 10a.m.-3p.m. Van, boards, bikes, computer, Craftsman plow, fire sirt, hand pump, Jeep, puzzles, baby items, fish
 10615 GRAND LAKE Road, Friday & Sunday, 9a.m.-5p.m. Riding lawn mower, antique tables and lamp, baby items, clothes, misc
 110 ARIZONA, Friday, 4p.m. & Saturday 9a.m.-5p.m. Arts and craft materials, silk flowers, baskets, children's, and some w/clothes, baby accessories
 119 BARRINGTON, 9a.m.-4p.m. & Saturday, 2p.m. Ladies & children's clothing, children's books, skates, shoes, pictures
 11953 ALPHONSE, Ossin behind Ace Hardware, Friday, 9a.m.-5p.m. & Saturday, 10a.m.-2p.m. Misc. kitchen household, furniture, highchair, and toys.
 12303 BEHNING, mile from US-23 off Hill, Ossinake, Friday & day, 9a.m.-5p.m. Lots of
 128 2ND ST., Hubbard I

ALPENA COUNTY SOLID WASTE PLANNING COMMITTEE
PUBLIC HEARING

July 29, 1998

6:30 p.m.

Alpena Community College, Room CTR 106
Alpena, Michigan

Chair Scott Smith opened the Public Hearing at 6:35 p.m.

Committee Members Present: Scott Smith, Dave Herberholz, Al Nadeau, Ken Hubbard, Dolores Baker, Mary Ann Wikaryasz, Lynn Wallace, Bud Wegmeyer, Bill Dashner, Al Bakalarski, Gerald Steinke. Diane Rekowski - DPA.

Others Present: William England, Jesse Volentire, Connie Stafford, Marie Twite, Lou Baker, Ken Paquet, Wayne Vermilya, Al Grzesikowski, Ken Lobert, Joyce McLain, Michael Hunt, James Zavislak, Phil Lindle.

Chair Scott Smith:

Welcome to the public meeting on the solid waste plan. Tonight, what we are going to do is accept public comment on the solid waste plan that has been available for review. What I'm going to do is call your names out and you can make comments. What we would like you to do is sit down here so that we can get your comments on tape and then transcribe them. NEMCOG will be accepting written comments until September 15, 1998 and we will review those. I'm going to call your name so that we can get it on record.

Al Grzesikowski, 20481 Hwy, Onaway, MI 49765, 517-733-2343.

Deferred to Wayne Vermilya

Wayne Vermilya, 20515 6 Mile Hwy., Onaway, MI 49765, 517-733-2462.

We actually have a little presentation we would like to make, it takes about 15 minutes, is that okay? Answer from Scott Smith: We don't have a time limit on speakers. You actually combining the two of you?

Answer from Wayne Vermilya: He's helping me. This is actually a similar presentation that we have made to many of the townships before when BFI proposed an amendment to the Alpena plan. We have made this presentation to nearly every township board in northern Michigan and to any groups, environmental groups and any other groups that would have us. This solid waste issue as you people have grappled with over the last several months, we break it down into three areas: political, economic and environmental. You have been discussing in great detail the political and economic aspects of this and what we would like to bring out tonight are some of the environmental concerns that brought this issue to the center stage back in 1991. And going through that we will be able to tie the environmental and economical to the political to where we are today. We would like to start, we have an 8 minute video tape, the video tape was shot

on August 21st, 1991 at a sinkhole lake, two and one half miles from the Presque Isle landfill. The video was shot at the campground at Shoepac Lake which is on the southern shore of Shoepac Lake. And the landfill is located in this red X, right up here. This photo is from the equalization office of Presque Isle County. For those of you who are not familiar with aerial photos, the light areas are high ground, like farmland, the dark areas are water or swamps or wetlands. Shoepac Lake, the lakes show up right away. And as you can see right off the bat, that you've got a landfill that is surrounded on three sides by swamp land, that in and of itself is significant. However, the swamp land here is the Kinney Island Bog, not just any ordinary wetland, it is the Kinney Island Bog. This is Kinney Island. And this is hydraulic conductivity to the sinkhole chain that runs all the way across and empties into Alcona Bay off Alpena. There is a continuous line, a lot of geology stuff and all that, but to just kind of locate that for you and I usually point out the sinkholes. That sinkhole there is 45 feet deep and there is Shoepac Lake with 5 dry sinkholes to the east of it and there is Francis Lake which is a sinkhole, here is a sinkhole, there is a sinkhole and Loon Lake that is a sinkhole and Hackett lake that is a sinkhole. As you can see, this water that surrounds Kinney Bog is directly connected to those areas. That's kind of a enough of that, to kind of index you to where they are. Is the video ready to go? Can everybody see that? This was edited out of about two hours of film that was shot that day (shows video). Okay, so that kind of boils the environmental issue down to the most serious, long term aspects. When that video tape was made, the State of Michigan almost immediately issued Montmorency the deed for their additional 40 acres which we are now discussing expanding into. Up until that time, they were holding out and throwing all kinds of obstacles in their way because we were going to privatize waste collection in the State of Michigan. At the same time, Allis Township and SAFE were as you all are aware, were aggressively attempting to bring some kind of reason into this landfill siting process. And you have discussed all the changes that have been made about 20 year capacity verse 66 months and you're all familiar with that. But Allis Township and SAFE jointly commissioned a site suitability study to be included in our plan, after our plan had been rejected by the municipalities for being prepared to allow for a landfill to be constructed in Presque Isle County. And that site suitability study, which I have the results of here, I should start with this and save the best page for last, was conducted by Williams and Works, they evaluated, actually first they eliminated the wetland areas, because the wetland areas have to have a 300 foot isolation distance, so the wetland areas were eliminated. They took into consideration the glacial drift thickness, which is the over burden that the glacier left when it was here and the depth of the soils that were left on top of the bedrock. And then the bedrock geology and the unprotected aquifers were taken out - places where the bedrock is known to be fractured and where for example near Ocqueoc River where there is a place called the underground, there is a place where the Little Ocqueoc disappears for several hundred feet and then reemerges into a spring before it enters into the Ocqueoc River. Those kinds of places were eliminated. State forest land was eliminated because at the time the State of Michigan wasn't going to allow the public to use the land for waste disposal. And what we ended up with were six areas of Presque Isle County that were ranked by order of priority, meaning that the number one areas would be the best areas, the numbers two, three and four you would have to go in there and do your agri geo work and that sort of stuff, but the Allis Landfill, the Presque Isle Landfill was built outside of the number three area. So there were clearly two areas of Presque Isle County so that if we needed a capacity of site,

that were scientifically much better areas to look at to construct a landfill. When we showed this in Cheboygan County, when they went ahead and amended their plan to approve sending their waste to Presque Isle County, the Vice-President of BFI came up to me afterward and asked me where we got this. BFI was not aware that this was done and about a week later, it was announced that Waste Management had purchased all of BFI's northern Michigan holdings. That's a very significant piece of this puzzle. None the less, they got a permit to construct the landfill and they began construction. They completely denuded the site, removed all the stumps and started digging and about a month later, everything was quiet. What happened? So I called my DNR contact, they had a water problem. The site is undergoing a complete engineering redesign. The result of that engineering redesign was an under drain system. Now I don't want to spend a lot of time talking about the under drain system, because we have talked about this before, but basically what they did was they built this landfill fifteen feet below the level of water in the Kinney Island Bog and the water of Kinney Island Bog was filling the hole as they were excavating the hole so they had to put a tile system underneath to pump the water out. Now one of our engineers, Dan Walen from Williams and Works, said that's a violation of the regs as you can't pump water to control ground water level. So we set up a meeting in Senator Pridnia's office with the DEQ and our engineers in a closed door session down in Lansing and laid out the scenario. We testified before ICAR (Joint Committee on Administrative Rules), saying 'look, are you people aware that your rules allow landfills to be built 15 feet under water?' If you are not, you are now, and if you don't think that's a good idea, then you should change the law, because the law will allow that to happen. What's the problem with it? We have a little demonstration that we showed. That if the landfill is down below the level of the water and there is a hole in the liner, then Tom Polasek says that's fine, because the water trying to get in will keep the contaminants from going out, which is right, as long as you are pumping the leachate out and the landfill is in operation, you create a low pressure inside the landfill, the water from outside is leaking in, but when the landfill is closed and capped off so no precipitation can get in from the top, it is going to fill up with water from the bottom. And the contaminants that are in the landfill are going to go in to solution and seep into the least saturated zone, which is outside the liner. So it is just a matter of time and this landfill will have to have water removed from it forever and that is just a layman's way of looking at what they did here. How does that all tie together? Liability. Subtitle D says that if you sent waste to Presque Isle landfill, you are in it - financially - forever. Cradle to grave. Subtitle D took effect eight days after the operating license was issued for this facility. So this facility was grandfathered from those more stringent requirements and regulations. The liability is there for those municipalities that have legitimized using this landfill. Good news for Alpena County, you rejected the amendment that BFI tried to get your county board and townships to do a few years ago, a couple of years ago. Many of you have seen this presentation and heard this, so you are familiar with all of that. The only reason Al (Grzesikowski) gave me a hard time on the way over, we don't need to go through all this again, you all are aware of all that, but there have been two elections since then and there are some new elected people and some new faces that aren't quite up to speed on this. And there has been a turnover in some of the press. So we needed to back up and touch on that. What's the connection at this time? Because your proposal, your proposed update to your plan doesn't name Presque Isle County - good for you. That's a wise move in my opinion. But the connection here is that there is a concern about flow control in your plan. The

solution is to resolve the Presque Isle Landfill issue and there are some things that can be done there. With the Presque Isle Landfill out of the picture, okay, the need for flow control, the need to flow control Alpena Counties waste to Montmorency, to make sure that facility is viable, and to selling bonds and everything to expand that facility go away, because we don't have over sited disposal capacity any more. The market can level out the crisis and you don't need the flow control. But to solve your problem you've eliminated the over sited disposal capacity so that you are in good shape. Now, developments in the last week or so, or several months - you all are aware that USA Waste has made a move to acquire Waste Management Inc. and as of last week, the Justice Department or whoever reviews anti-trust things for the federal government said that merger can go through if USA Waste, I don't know the exact term they used, but if they cut up their assets in Northeast Michigan and some others. But for our sake of discussion, Northeast Michigan, which means the Allis landfill must now be sold for something - who would buy it? There are all kinds of liability concerns associated with it. There is no waste available to go there. And it's a problem, a big problem. We can't abandon it because BFI, how do I want to say, can't say miss managed, that's not, maybe not fair. BFI built 2 half cells of a 5 cell permitted site and as they build a base, they can build higher. But they built 2 half cells and they put two whole cells worth of trash in it so the side slopes are one on two, final closure is one on four. Which means for someone to close it, they will have to put about twice as much dirt in there as they have waste to properly close and maintain the site or manage the site - that's a problem. I sit on the environmental affairs committee with MAC and we had an emergency meeting about a month ago in Lansing. The industry has been pushing for several years about eliminating the flow control provisions with Michigan's Act 641, they want free market forces across the board, the free flow of waste. At this meeting it was industries have been talking with the county associations and the township associations, what can we do, what can we do to sit down and talk to get a bill that everybody can support and MAC's line is nothing. The county planning process has begun, if industry would like input in the planning process, they have four seats on the committee, there is a public comment period and three quarters of the states plans are already drafted. You have had lots of opportunity for input into the plans. And we are going to let the planning process go through. But in that discussion it kind of jumped out that the industry feels that in Northeast Michigan, they were lured into making a bad business decision. And they now have long term liability concerns and they have money that has been invested that they are not recovering - not recouping their investment. Well Allis Township didn't lure them in and if I as an individual, make a bad business decision, I'm the one that loses. But in this case, and Montmorency didn't lure them in by the way either, Montmorency was doing business like they always had. Industry feels, and this is all my opinion now, this is my view based on all the discussions I've had, industry needs relief from long term liability, and they would like to get out of that, not only would they like to get out of it, USA Waste has to get out of it because their merger with Waste Management can't go through if they don't, - okay? From Allis Townships perspective, and this doesn't really have anything to do with you people because you haven't sent waste there, again good for you. I hope you continue down that road, legally Allis Township can't let them abandon the site because of the one on two side slopes and the under drain system and all those kinds of problems something has to be done at the Allis Landfill, we can't just walk away from it now. Because there is too much trash there. Needs to be properly closed. And there is a simple, simple solution that we can do right now. And it is in everyone's

best interest, and that is for them to sell the landfill to the State of Michigan. And then the State of Michigan would relieve them of their liability and remove as much waste as needs to be taken out of there so that it can be properly closed. Industry gets what they want, Montmorency gets what they want and Allis Township and the citizens of PI County get what they want and nobody loses. And the money to pay for this can come from the oil and gas trust fund. These counties up here have sent millions and millions of dollars to Lansing and not gotten any of it back. The State of Michigan made a big mistake in luring the private sector up here to do this and now is the opportunity or now is the time to take advantage of it. Thank you all very much for your time and I appreciate the response Alpena County has made in addressing this issue.

Ken Paquet, 6037 Mullett Wds Shore Dr., Cheboygan, MI 616-627-4652.

Thanks for allowing me this time, my name is Ken Paquet, I'm currently a market developer and sales rep for Waste Management Inc., with the new merger with USA Waste, I have been involved with removal and collection of trash within Alpena County for over 18 years. From the time prior to the closure of the city landfill to today I've been involved with the flow of trash within Alpena County. I started out with one roll off truck in Alpena County and within a matter of several weeks, I had eight industrial accounts asking me to haul their trash. Which I went out and did and have been involved with it for the past 18 years. The rapport with Montmorency over the years has been good at times, poor at other times. As Al knows, with the city we have had problems from time to time with Montmorency. But I think we got to put that behind us. But I would like to go on record as being opposed to the new Alpena County solid waste plan as it has been presented. The removal of the private landfill from the Alpena County plan would be a discredit and a mistake and actually create a monopoly for the Montmorency Oscoda Landfill. Over the past 18 years the county has had competition with two landfills competing for the Alpena County waste. This has kept prices down and in one case forced Montmorency County to lower their rate. This competition would be lost if the plan is approved as presented. I'm a little upset that some of the letters that have come in as public comment are not being read tonight. Because I think a lot of the industry who are not here have sent letters. And with the same concerns I have. I know Thunder Bay Manufacturing has wrote a letter opposing the plan as presented. And they have a representative here from Fletcher Paper and we have several other people here from the industry. And I'm a little upset that those letters are not read here tonight. Because I think the townships and the cities that will be voting on this issue in the upcoming months, need to know where that industry is. And if this is public comment, those comments should be sent out to every one of these persons that will be voting on this issue. Some of the concerns I have in going ahead and questions I have is over the years, Montmorency County has never taken the industrial waste or the special waste from the Alpena County area. And this represents 40 to 50% of the waste generated in Alpena County. End of tape. Discussion on Montmorency Landfill liner. New tape. So I know the reasoning behind it. But we have a time frame here of a plan being approved say in the first part of the year. And although they are looking for a vertical expansion, it is still going to be over a PVC liner. Folks, this is still going to be very susceptible to deterioration over a period of time. And they're looking for this expansion to last them 2 to 3 years, so are we going to extend this plan 2 to 3 years before it is

finally implemented? I question how that is going to be handled. And I also question the fact that Montmorency County has never got into the handling of special waste. The documentation, the testing these are things we have always handled over the years and this waste has always gone to the Waters Landfill. Are they going to get into this business? And if so, are they going to assume the liability then at that point in time? Waste Management, I doubt, my own personal opinion, will offer to be a back up landfill for Alpena County. Your asking a company to invest with the hopes that they are going to get some waste - I don't think any industry will go out and build a product with the hopes that they are going to sell it. Folks, you got to realize that if you are asking a company to be a backup facility that they should be listed as a primary disposal site not a backup facility. You are eliminating a potential primary disposal site if this plan is approved as it is wrote. And for that reason, I strongly urge the City and the townships to turn it down as presented. Because, folks if you have one landfill to handle Alpena Counties waste there is going to be problems. Thank you.

Scott Smith - Folks, let me clarify that the public comments will be distributed to the committee members at the end of the public comment period.

Joanne Jorae, President, Jorae Enterprises, Inc., PO Box 340, St. Helen, MI 48656-0340, 517-389-2783.

At this particular time, I don't think I have anything to say. I would like to speak later.

Michael Hunt, HCR & Ruth #246E-2, Lewiston, MI 49756, 517-786-3609.

My name is Michael Hunt, I'm from Montmorency, Alpena, Oscoda Landfill Authority. I was not going to speak until I heard some comments, so I decided to come forth. We encourage you to join the Landfill. Mr. Wegmeyer is also a member of that Authority, we have two members from each of the three counties. Now some comments that were made here this evening are not quite correct. We are currently looking for Alpena County to bring it's waste to us. We are a well qualified landfill, a clean operation. And in the past, we have not taken industrial waste, we have not taken appliances. But our intentions are, it was discussed at our last meeting with our engineer we are going to meet with industry, primarily in Alpena County and we will anticipate taking industrial waste, tires, after some processing, appliances and the only thing we do not want to take is hazardous, toxic waste from industry. The liner that was referred to, of course if we do attempt to take industrial waste we have to put a much heavier PVC liner and that is planned on. Presently we have a license requested of DEQ and it includes going vertically with our cell that we have in place now. Expanding the 40 acres and eventually building it up to a height of about 35 feet and we are looking at 30 to 35 years of use. Now, Wayne mentioned about the House Bill on flow control. Mr. Wegmeyer and myself were at that meeting and as been pointed out, nobody from industry came to that meeting, nobody seemed to be concerned. We do have a lame duck legislation now, and we feel that in this session, they would address this but it is in sub committee and the feeling is that they are not going to do anything about it. They are just going to let it die. So that's good news for us as because we can direct all of Alpena County to our landfill. And I think that is good news for Alpena County because, you need a safe

environment to put your garbage in and out in Presque Isle County, as Wayne point out, it is not exactly that way. So we are making plans to expand. Now if Alpena County does not pass its solid waste plan, then we are looking at a different approach. We have to change our licensing. Our licensing covers both a vertical expansion and expansion to that new 40. But I hope you don't decide not to join us, I hope you do decide to come in with us, but if that would happen, and there is always that possibility, that we would have to change our license. We could go vertical with the 2 counties for a few years, but at that time we would close. Now, we feel, and somebody made a comment here that landfill rates were being forced to be changed. Yes, before I got to be a landfill and a county commissioner for Oscoda County, there were rates that were charged, I was told, for in the area and out of the area. That was dispensed with some years ago. Right now our fees are, I think, are \$10.00 per cubic yard now we are in the process of expanding and getting scales and if we do go that way, we will probably charge by the ton. All that is going to take some time. We are planning ahead. We do need Alpena County's input, we do need your support and I think you do need a safe place to bring your garbage. We do have a back up, we have Waters as a back up. Now, we do feel, with us in the area as a municipally owned landfill, that we are helping to keep the rates down. And I think that if we go out of business, you are going to be at the hands and at the mercy of your private industry, you'll have no choice but to pay what ever rates they dictate. We are not in the business to make a profit, we're in the business to offer a service to the citizens of the three counties. We are going to name the three counties as primary and the other surrounding counties, like Alcona, maybe Presque Isle, whatever others are on the fringes that currently bring garbage in to us from some of the haulers that are bringing them in from other than those three counties, we are still allow them to come in, but we are going to limit the amount of refuse they can bring in. Primarily it is going to be Montmorency, Oscoda, Alpena, we are going to offer industry, we are going to set up meetings, we are in the planning stage of setting up meetings with Lafarge, ABTco and we do know that you have a concern about your industrial waste. We just do not want to take toxic waste, we are not equipped for that but we are making preparations, we want to take all your needs into consideration. We do not want to hide anything from you, we need your rubbish, most definitely, but you are walking into a well established business. We have great assets and unbeknown to some rumors, there was no cost to Alpena County to come in to this organization. At this point we are just starting out with the three counties as an Authority. And we have formed that Authority and we are going ahead with the bond process. We are now going to prepare for bond sales and we are in hopes that this will work. And also in a joint venture in Montmorency and Oscoda county they have their solid waste plan that is in progress now, they haven't come to the public hearing as yet, but I sure we will. But we need a place to put our rubbish and we hope that you need a place to put your rubbish and we are not hiding anything from you. We are being up front with you. We always have and I have been a member of this landfill since I've been a county commissioner, which is going on two years and it has been a learning process, especially since we decided we wanted to expand. Some people in this room have a lot more knowledge of the landfill sites that were in Presque Isle and Alpena than I do, but I feel like I have a good handle on the operation of Montmorency, and I would highly recommend it. Flow control, is not going to happen. You can designate your flow of garbage to go into our landfill and you will have a backup designated. I really don't know what more to tell you except to say that I'm responding to some discussion that took place earlier and

I was here just as a resource, just in case somebody would want to ask me questions that I might be able to answer for you. I would encourage you to think very strongly, to consider making and voting out of your 9 municipalities. We need, I don't know if you are aware of it, 67%, so that probably includes 7 of your 9 municipalities which includes all your townships and the city of Alpena. And we are making arrangements for our transfer sites for recycling, I know it is a concern for Alpena City for sure. I'm not sure if there is anything else that I can remember right off hand, but if there is anything that anybody would like to ask me, if I can answer your questions, I would be happy to. Thank you.

Dave Herberholz, Marketing Director, Waste Management, 1311 N. Niagara, Saginaw, MI 48602, 517-752-7273.

I am here to voice opposition to the plan update. This is consistent with my vote when we took it in committee. I was one of two opposition votes. Alpena County currently has a solid waste management system that currently consists of two primary landfills. This system has worked well for quite some time by providing disposal options for the residents and businesses of Alpena County. To give a little history on prior doings before the planning update. I really feel the Alpena County Commissioners did the wrong thing when they agreed to partner with the Montmorency/Oscoda Landfill. This was a decision that was made even after 5 of the 9 municipalities within Alpena County, by resolution, wanted the issue addressed through the planning process. I think it skewed the planning process once we developed the committee and went into committee. Subsequently, that planning committee followed the Commissioners lead and in this plan update, it limited the disposal options to one, the Montmorency/Oscoda Landfill. I really don't think the Alpena County Commissioners and some of the planning committee members realize the financial jeopardy they have exposed Alpena County taxpayers to. And that's where, contrary to what Ken talked about, as far as the history here, I want to talk a little bit about liability. Soon millions of dollars will be spent to construct landfill expansion and Alpena County assumes it's share of financial obligation. Mike previously talked about flow control, it may be down right now, but it is an issue that's going to continue through out the state and could very well be eliminated in the future. Once this elimination happens and some financial suffering takes place at many landfills throughout the state, Montmorency/Oscoda could be one of them. Alpena County will remain financially liable for it's share of the costs. God forbid any environmental problems happen at that landfill, because Alpena County will also assume its share of remediation costs. Contrary to what has been said previously, Montmorency/Oscoda Landfill, they didn't approach Alpena County out of the goodness of their hearts. They needed financial commitment from Alpena to be able to float the bonds for landfill construction costs. Proper landfill planning and management would have eliminated this need to come to Alpena County. You either have to be consistent with why to remain in business, think they had a desire to close. If you know anything about landfill management, you know that besides having money to be able to operate and construct, you also have to accrue dollars for 30 year post closure costs and for future liability. I don't think they did this. As Ken stated, I think it is very important to listen to industry and that is something we really haven't done, I think, throughout the planning process. They do generate the majority of the trash

within Alpena County. They've got a large stake and they can't be ignored. Limiting their disposal options to one, presents exceptionable risk, especially since the Montmorency/Oscoda Landfill has not taken any industrial waste in the past. I started trying to think of an analogy I could make for what Alpena County is doing as far as financial obligation. I liken it to myself co-signing on a half million dollar home loan. And then taking that and magnifying it by have all my friends and everybody that I know sign it. I don't have any business doing it and neither does Alpena County. Hard work went into the plan update, that can't be ignored. I think the committee members did a good job of discussing many of the alternatives to landfill disposal. Those are very good points within the plan. However, I think, we missed the boat and made a mistake by limiting the disposal options to one landfill. I think the plan has worked in the past, and we ought to include two primary landfills within Alpena County, as it has been for years. I hope it comes back to committee, I feel that the municipalities within Alpena County are better served by two primary landfills. So I urge them to oppose the plan in it's current state. I just thank you for your time.

Philip Lindle, 6859 French Road, Alpena, MI 49707, 517-356-4096.

As a small hauler, I'm really concerned about Alpena County and the City dragging their feet and not going with Montmorency. What's going to happen, and I've been in the business, the garbage business for 20 some years, in and out of it, what's going to happen is you guys are paying \$10.00 or \$15.00 a month now for house stops. If you don't go with Montmorency, and you let a private guy own the landfill, they're going to own you. It is as simple as that. If there is not money in the garbage business, I wouldn't be in it. With Montmorency we can put a cap on the charges. I'm just saying that you guys are going to be in trouble if you don't go with Montmorency. I think 5 years down the road, you guys are going to wish you did and then it will be too late. And really don't feel like spending more money on trucks, if I don't have to. Ken over here is from City, and I used to be their salesman, so I know what City is up to and I know how BFI tried to flood Montmorency. To shut it down, so if there wasn't money in the landfill business, they wouldn't be up here trying to get you to go with their landfill. That's all I've got to say.

James Zavislak, 1350 N. County Road 459, Hillman, MI 49746, 517-742-3520.

I'm Jim Zavislak, from Montmorency County, Hillman. I'm currently the chairman of the Montmorency/Oscoda Solid Waste Planning Committee for that particular landfill. I listen to Dave talk and I find, sometimes that I relate big business, like our big government sometimes, that they got a lot answers and a lot of things to say but not necessarily can I go along with and believe it. The Montmorency Landfill has been there for I don't know how many years exactly. It's pretty much stayed solvent, it is there today. It's had it's financial problems and it has had other problems. As far as being safe, environmentally safe, it's there, it's regulated by the DEQ and the DNR, it has those things going for it for being a safe place to haul. So, as far as liability to anybody that comes on board into that particular program, you know they are going to be going with a state of the art type operation. What Mr. Lindle said is another good factor - the economics. I think everybody is concerned about the taxpayers pocketbook. In the long run,

I think the Montmorency/Oscoda Landfill will give a reasonable service to the community. I strongly support that Alpena think real strong about some of those things, about the small haulers that are involved, the big business, the people like BFI, could still be in business here, that's not a problem. To keep this landfill going, to have you on board would really make a difference, it would help. I think it could probably survive without it, but it is a crucial thing if you were a partner, we are looking to expand beyond, into recycling. There is a lot of good opportunities there to bring the counties together.

Joanne Jorare, President, Jorae Enterprises, Inc., PO Box 340, St. Helen, MI 48656-0340, 517-389-2783.

I came up here tonight to listen to the problems and your concerns and that. And also to hear your comments before I chose to speak. I am from out of Roscommon County, Richfield Township. I don't have choices as to where my waste goes. And I can tell you that I was to bid, by invitation, a community project down there for their trash. It is a very, very small township. I could not get a pricing tip for a gate fee out of Northern Oaks, which is Waste Management, out of Harrison. I did, however, after calling County Commissioners and that, get a gate rate. This was a week ago. The bids were due July 1st. I called the Township Supervisor back to find out who had bid the project. The project was bid by Waste Management and City Environmental Services which is USA Waste. Those were the two bidders on the job. I was told that the bids were rejected. That they are hoping for a better price structure and that if there was anything I could do for them to please submit a proposal to them. The problem that I had was that under a current contract that I have that is being honored by USA Waste, that was not going to be honored, I signed a contract on renewal on November 1st, of 1997 with City Environmental Services. Learning of the merger there with USA Waste and their take over of City Environmental Services, I called and questioned whether or not my contract would be honored. I was assured, I was called back, that my contract would be honored. The end of March, the 1st of April, in trying to enter into the landfill down at Whitefeather, my driver was stopped, we were held up and we were told that the rate that we had was not being honored. So that not only delayed us, there were numerous phone calls to be made. I then had to fax them a copy of the contract, because they said they didn't have it, and which to enter at the gate rate that had been honored to me, that I was told would be honored to me. Since that time, I know that the other haulers have experienced a \$2.70 increase since January. The gate fee down there now, I believe, is \$12.70 a yard. The problems that I am experiencing in the area that I am in, is that, on the projects that I'm also on, their sales/marketing personnel come up without giving a price to a contractor and that where my containers are and tell them that whatever rates you've got here, we'll take 8% off. Now, to me, that is an inability to compete and it is a monopoly. And furthermore, what I have in writing from the landfill is heavily underlined, telling me that they will not accept compacted waste at their facility. When they haul compacted waste, they bid the jobs to the Townships on compacted waste and this is one problem that I have with the township that asked me if I would submit a proposal to them is that this has been done on compacted waste. And yet, the contract that I have says they will not accept any compacted waste at any facility. You have mentioned this evening, several valid points as to your decisions, I see on different parties where there are valid concerns for everyone, but I wanted you to know

that I'm farther south of you where I am dealing with the merger, the people and the merger and their landfill. And these are the problems that I have experienced. I have spoken with the Attorney General's office, or they have called me and that regarding the issues, I know that they were. Mr. Novac is who I spoke with out of the Attorney General's office, and Paul, seemed to be at the time we spoke, more concerned about the garbage. Well, I'm into rolloff, I'm not into garbage because of the situation, the inability to compete there. But for him not to be concerned about the other waste there, that is like trying to separate the brain and say that one side doesn't control the other or say that it doesn't matter if the left side works or the right side. Because this is all a major concern to each of us. Also down in my area, for the people that have called, that are looking for other choices and questioning whether or not we do pick up house to house, and that they commented that they have had raises, for example, their trash was being picked up for \$34 to \$35.00 and since the merger, they are now paying \$56.00 to \$58.00. So there has been a horrific increase to those people also. We are referring to the Standish, Pinconning area where these calls are coming from. So, I just wanted to address the concerns that my company is faced with in dealing with both of these companies and that it may be something you want to consider when you are making your decisions up here as to the choices that you have. I appreciate your time and being allowed to speak to you.

Marie Twite, 4165 Truckey Rd., Alpena, MI 49707, 517-356-9328.

I want to address the plan a little bit. The plan identified several areas of deficiency, and one of them that I have a real concern with is the access to the landfill, which has to do with the road. It normally, in the spring of the year, carries weight restriction, has a weight restriction on it. Is there going to be any thing done?

Discussion then followed on future plans for upgrading the road.

Ken Lobert, 10615 Nicholson Hill, Hubbard Lake, MI 49747, 517-727-2771.

I've just got one comment, and our board will be meeting on 11th of August. Is the 15th of September the date you can take comments, written ones? Comment (speaker unknown): yes. I think the board's concern is going to be only one designated landfill. That has been a problem before and I know it is going to be again. Anyway, I know it is going to be a concern, and you will get some kind of written comment from the board when we meet next month. That's all I can tell you. That's all I can see that there would be any questions at all about.

Al Nadeau (not on tape): Discussed the trend in industrial waste, for example ABTco, has reduced 12,000 cubic yards of waste to landfill. Questioned reasoning why anybody would go into landfill business, due to liability. Will send comments.

Discussion then followed.

Public Hearing was closed at 8:30 by Chair Scott Smith.

PUBLIC COMMENTS RECEIVED BY NEMCOG

Alpena County Board of Commissioners

720 CHISHOLM STREET
ALPENa, MICHIGAN 49707
TELEPHONE: (517) 356-0930



July 13, 1998



Mr. James Kelley
Vice President, Operations
FLETCHER PAPER CO.
318 W. Fletcher Street
Alpena, MI 49707

Dear Mr. Kelley:

Thank you for your correspondence in regards to the Alpena County Solid Waste Management Plan.

Your concerns are being forwarded to the Alpena-Montmorency-Oscoda Landfill Authority for a response. Your letter will also be forwarded to the Solid Waste Planning Committee for their review and comment.

Sincerely,

Joyce D. McLain, Chairperson
Alpena County Board of Commissioners

JDM:bmt

chair98\34



Paper Company

Phone: (517) 354-2131
Fax: (517) 356-5288

318 W FLETCHER ST. ALPENA MICHIGAN 49707-0307

July 15, 1998

RECEIVED

JUL 21 1998

ALPENA COUNTY COMMISSIONERS

Ms. Joyce McLennan, Chairman
Alpena County Board of Commissioners
720 W. Chisholm St.
Alpena, Michigan 49707

Dear Ms. McLennan:

It is our understanding that while the Alpena County Waste Management Plan has been approved by committee, it is currently open for public comment before final approval by the units of government and formal acceptance by the County of Alpena.

That being the case, and as a member of the industrial base of the county, Fletcher Paper Company is submitting this letter as a matter of record for your consideration on the Alpena-Montmorency-Oscoda Landfill decision currently under review by your board.

The following concerns should be addressed before Alpena County enters into the Alpena-Montmorency-Oscoda Landfill Agreement:

1. Will the county hold harmless the contributors of the waste stream to the landfill in the event of a liner failure or violation of waste classification by a contributor(s)?
2. Will the management of the operation be bonded to cover malfeasance and/or mismanagement (negligence or gross negligence)?
3. What reserve is there within the county budget to cover litigation against the landfill operation and/or county on matters directly related to the landfill?
4. What funding will be available to cover waste cleanup in the event the site is eventually deemed to be contaminated by some hazardous waste material?

FLETCHER



Paper Company

318 W. FLETCHER ST. ALPENA, MICHIGAN 49707-0307

Phone (517) 354-2131

Fax (517) 356-6327

July 20, 1998

Diane Rekowski
Northeast Michigan Council of Governments
121 E. Mitchell
P.O. Box 457
Gaylord, Michigan 48735

Dear Dianne:

Enclosed is copy of our letter to the Alpena County Board of Commissioners concerning issues they have not satisfactorily addressed as of this date. Hopefully, they will reconsider their proposed involvement in the landfill business.

They would do well to concentrate on legitimate government issues.

If I can be of help, please give me a call at 517 354 2131 X 203. Good luck in your efforts.

Sincerely yours,


William J. England
Purchasing Manager

cc: J. Kelley



Paper Company

Phone: (517) 354-2131
Fax: (517) 356-5288

318 W. FLETCHER ST., ALPENA, MICHIGAN 49707-0307

July 15, 1998

Ms. Joyce McLennan, Chairman
Alpena County Board of Commissioners
720 W. Chisholm St.
Alpena, Michigan 49707

Dear Ms. McLennan:

It is our understanding that while the Alpena County Waste Management Plan has been approved by committee, it is currently open for public comment before final approval by the units of government and formal acceptance by the County of Alpena.

That being the case, and as a member of the industrial base of the county, Fletcher Paper Company is submitting this letter as a matter of record for your consideration on the Alpena-Montmorency-Oscoda Landfill decision currently under review by your board.

The following concerns should be addressed before Alpena County enters into the Alpena-Montmorency-Oscoda Landfill Agreement:

1. Will the county hold harmless the contributors of the waste stream to the landfill in the event of a liner failure or violation of waste classification by a contributor(s)?
2. Will the management of the operation be bonded to cover malfeasance and/or mismanagement (negligence or gross negligence)?
3. What reserve is there within the county budget to cover litigation against the landfill operation and/or county on matters directly related to the landfill?
4. What funding will be available to cover waste cleanup in the event the site is eventually deemed to be contaminated by some hazardous waste material?

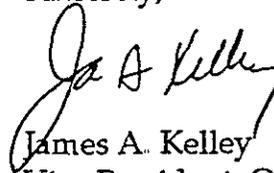
5. What input will industrial participants have regarding fees and management of the site?
6. What assurance will there be that the fees charged will be competitive with other sites?
7. What alternate site will be available in the event of a catastrophic event that would deem the Alpena-Montmorency-Oscoda site inaccessible or unusable?

To ensure continuity of industrial operations within the county, it would be imperative that a backup or second site be accessible. This is even more important if the waste stream classification is limited to non-toxic.

As for our concerns from both a legal and cleanup standpoint, the final liabilities of the Fivensen Iron operation of \$2.4MM is a case in point which the county should fully appreciate before entering the landfill business.

While it may be that your board has addressed the issues above, we have not observed any extensive public discussion. If these issues have been addressed in written form, we would appreciate receiving a copy.

Sincerely,



James A. Kelley
Vice President, Operations

JAK:bab

July 29, 1998

Diane Rekowski
Northeastern Michigan Council of Governments
121 E. Mitchell
PO Box 457
Gaylord, MI 49735

Dear Diane:

This letter is to voice the Chamber's opposition to the county's new draft solid waste management plan.

Competition has always been the byword of American business. We think it has merits for government too. This draft plan eliminates competition for disposal of our waste. We believe that our county deserves the opportunity to obtain the lowest waste disposal costs possible. This means an open door to other disposal options.

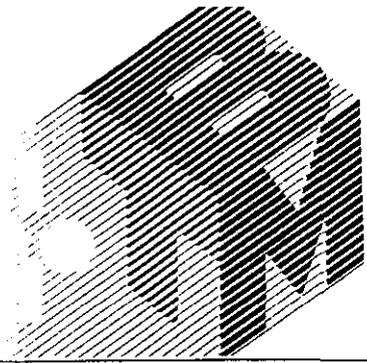
We encourage you to put competition back into the solid waste management plan.

Cordially,



Richard P. McElroy, Executive Director
Alpena Area Chamber of Commerce

RekowskiJULY98



THUNDER BAY MANUFACTURING

Producers of GRAY, ALLOY, DUCTILE IRON & MACHINERY CASTINGS

666 McKinley Street
P.O. Box 366
Alpena, Michigan 49707

Fax: (517) 356-1729
Phone: (517) 354-3181
Detroit: (248) 643-4442

July 23, 1998

Ms. Diane Rekowski
NEMCOG
P.O. Box 457
Gaylord, MI 49735

RE: Alpena County Solid Waste Management Plan

Dear Ms. Rekowski;

This letter is in opposition to the currently proposed plan as referenced above. In our opinion the reduction of solid waste alternatives to one facility does not meet the best needs of the citizens and businesses of Alpena County.

The county commissioners, in spite of several local industries and individuals expressing their opposition, have gone ahead and passed this plan. This is an excellent case of elected officials not listening to their electorate.

There are several reasons that this plan is flawed, but for the sake of brevity, we will list only those that apply to our industry:

The proposed site does not currently allow for the disposal of industrial waste. Even if this provision is changed in the proposed plan, being at the mercy of one disposal site, no less one that has refused our waste in the past, puts this company at risk of being unable to dispose of waste.

Anytime the elimination of competition is at issue the taxpayers inevitably lose. This would certainly not be an exception to that rule. We understand that the commissioners are trying to secure the viability of the Montmorency/Oscoda landfill, however, doing it by regulation and the elimination of competition is not in the best interest of the very people they are elected to represent. If they are truly interested in staying viable, then perhaps they should review why their site is not being used currently (onerous regulations regarding waste, restrictive fees, etc), and attempt to fix those issues rather than delete the competition.

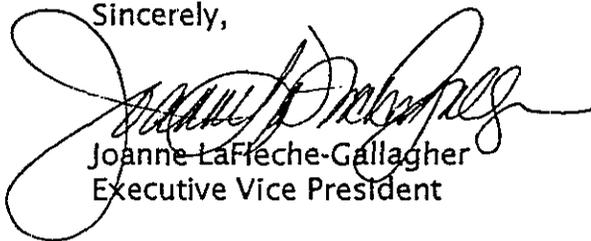
Page Two

Thunder Bay has invested over \$2.5 million in equipment to reduce our waste streams in the past five years. The only way that we can make sense out of this type of investment is cost savings in the removal of waste. The projected cost savings that substantiated this equipment would most certainly be depleted if we were forced to take our waste to one location and be at the mercy of that location's whims regarding rates and waste acceptability.

We cannot understand what the commissioners are thinking by proposing this anti-business plan. At a minimum, there should be at least two approved facilities for disposal, if not more. In order to flourish in this highly competitive and remotely located venue, industry must be able to seek lowest prices in a competitive market. How will this even be an option under this proposal?

While we give some credit to the authors of this plan for coming around to industry in an attempt to sell the plan prior to its final submission, we fail to see what good that did when industries input was summarily discarded as not being relevant. We vehemently oppose this proposal and will fight it with every means available if it is forced upon us.

Sincerely,



Joanne LaFleche-Gallagher
Executive Vice President

JLG:ko

Cc: Scott Smith, Planning Comm Chair
District Health Dept. # 4

August 5, 1998

Mr. James A. Kelley
Vice President, Operations
FLETCHER Paper Co.
318 West Fletcher Street
Alpena, MI 49707

Dear Mr. Kelley:

Your 7/15/98 correspondence to the Alpena County Board of Commissioners expressing concerns regarding the decision of Alpena County to join with Montmorency and Oscoda Counties in the operation of the Landfill, has been forwarded to this office for a response. We will respond to your questions/concerns in the order in which they were asked.

1.) *Will the county hold harmless the contributors of the waste stream to the landfill in the event of a liner failure or violation of waste classification by a contributor(s)?*

In February, 1998, a Hold Harmless Agreement was adopted by Alpena County and the Landfill Committee in consideration of the passage by the Alpena County Board of Commissioners Resolution 97-32, and adoption of an ordinance providing for the disposal of solid waste in Alpena County to this landfill. Montmorency and Oscoda Counties agreed to represent and indemnify Alpena County, its Commissioners, and employees against judgments, settlement payments, fines and other reasonable costs and expenses incurred by Alpena County in connection with the defense of any action, suit, or proceeding, which is brought or threatened in which Alpena County or their Commissioners or employees are a party or otherwise involved.

As contributors of the waste stream to the landfill, we all personally have a responsibility to ensure violations do not occur. Holding harmless contributors would relieve them of this responsibility.

2.) *Will the management of the operation be bonded to cover malfeasance and/or mismanagement (negligence or gross negligence)?*

The County Commissioners serving on any Committee as representatives of the County are fully insured through the errors and omissions section of our insurance policy.

Mr. James A. Kelley
July 29, 1998
Page 2

A Perpetual Care fund was established in 1990 which requires a deposit of \$0.25 cents for each cubic yard of waste that is disposed of in the landfill. This fund is to be used solely to provide for payment of the costs of closure, monitoring, maintenance, or response activities at the landfill necessary to protect public health.

In addition, the State of Michigan required that all new construction be supported by a letter of credit, calculated at per acre costs. The letters of credit required actual cash be deposited in the name of the State of Michigan Department of Natural Resources for the purpose of fulfilling closure and post-closure obligations.

3.) *What reserve is there within the county budget to cover litigation against the landfill operation and/or county on matters directly related to the landfill?*

The landfill has been totally self-sufficient and does not rely on the general funds of any County budget. All attorney fees associated with the landfill are paid directly by the landfill budget.

4.) *What funding will be available to cover waste cleanup in the event the site is eventually deemed to be contaminated by some hazardous waste material?*

Our landfill does not accept hazardous waste. In the event a clean-up was necessary, we would rely on the Perpetual Care Fund for this purpose.

5.) *What input will industrial participants have regarding fees and management of the site?*

The landfill is managed by the Landfill Authority, which consists of six (6) County Commissioners, two each from Montmorency, Oscoda and Alpena County. We have met with industrial waste generators to discuss potential contracts with rate guarantees.

All of the meetings of the Landfill Authority are open to the public. We are a public entity and input from the public has always been encouraged. Input is welcome at a scheduled meeting or you may contact a County Commissioner to discuss your concerns.

Mr. James A. Kelley
July 29, 1998
Page 3

6.) *What assurance will there be that the fees charged will be competitive with other sites?*

As a county-owned landfill, we have not operated for a profit. All revenues received from the landfill are deposited in the landfill fund and used solely for landfill expenses. No county has ever received income from the landfill. As such, we can assure our rates will continue to be competitive.

7.) *What alternate site will be available in the event of a catastrophic event that would deem the Alpena-Montmorency-Oscoda site inaccessible or unusable?*

The solid waste management planning process is currently taking place in all counties in the State of Michigan. The plans require that we name our options for disposal of waste. For the protection of all counties, an alternate disposal site will be named. Therefore, we agree with your statement that it is imperative that a backup site be accessible. These decisions are made by the committee established by each county for preparation of the plan and forwarded to all local units of government for approval.

We understand your concerns with any potential cleanup. Our facility remains cautious of what is disposed of in the landfill for the protection of the groundwater. Analytical testing is performed on a quarterly basis and the results of this data are on file.

Public Hearings were held for the purpose of receiving public input regarding the formation of the Landfill Authority. Additional public hearings will be held with regard to the Solid Waste Management Plan of Alpena County. Your name will be added to the mailing list to receive notice of any future Public Hearings or meetings of the Planning Committee.

The Landfill Authority is concerned with the trends in the solid waste disposal industry. Recent mergers of large hauling companies have eliminated waste hauling and disposal options in our region. In areas that once had a competitive market, now have one company controlling the hauling and disposal of waste. We do not offer hauling

Mr. James A. Kelley
July 29, 1998
Page 4

services, therefore, as owners of a landfill, we will not be in competition with the local hauler.

If you have any questions which we have not responded to in this correspondence, or if you would like additional information regarding the operation of the landfill, please contact our office.

Sincerely,



Roger D. Frye
Chairman

RDF/sc

cc: Joyce McLain, Chairperson, Alpena County
Diane Rekowski, NEMCOG
Landfill Authority



JOHN ENGLER Governor
DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"
HOLLISTER BUILDING PO BOX 30473 LANSING MI 48909-7973

INTERNET www.deq.state.mi.us
RUSSELL J. HARDING, Director

REPLY TO:
WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

August 19, 1998

Ms. Diane Rekowski, Director
Northeast Michigan Council of Governments
P.O. Box 457
121 East Mitchell
Gaylord, Michigan 49735

Dear Ms Rekowski:

Thank you for submitting a copy of the revised draft Alpena County Solid Waste Management Plan Update (Plan) dated June 8, 1998. I have reviewed the draft Plan and have the following comments:

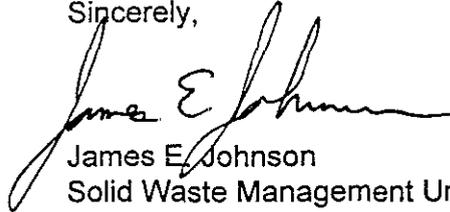
1. Data Base (Page 9). Due to corporate mergers, USA Waste will be known as Waste Management, Inc. in the future. Under the settlement agreement reached for approval of the USA Waste/ Waste Management merger, the Elk Run Landfill will be divested to a new owner. If that has been completed by the time the Plan is finalized, it should reflect the new owner's name. If unknown, the data base should discuss the impending divestiture of that landfill. This section also indicates a map of these sites is included. However, the map is not in the document.
2. Solid Waste Disposal Areas (Page 29) The City Environmental Landfill in Crawford County and the Whitefeather Landfill in Bay County should be listed under the Type II Landfills heading on this page. In addition, there needs to be a facility description sheet provided for Whitefeather Landfill. Have Crawford or Bay Counties expressed their willingness to accept waste from Alpena County and include Alpena County in their Plans?
3. Siting Criteria and Process (Pages 48-49).
 - A. Item 4 needs to establish an application fee in the Plan. The existing fee statement could allow Alpena County to assess an unreasonable fee and, thereby, prohibit the siting of a new facility
 - B. Section 6 needs to include a default statement in case the Designated Planning Agency (DPA) or the county solid waste management planning committee does not make a consistency determination within 90 days from the date the application is determined to be administratively complete. For example, the Plan should state that the proposal automatically is found consistent with the Plan if no determination of consistency is made after the 90-day review period.

- C. Section 6, Part A. This section requires that the Plan be able to determine disposal capacity with a degree of accuracy to calculate the remaining months of available capacity, however, the Plan does not contain a capacity certification process. If capacity certification is going to be used to govern siting, the process needs to be included in the Plan. As an alternative, this statement could be more general in nature.
 - D. Section 6, Part H. Despite the fact that it was used in the example siting language in the Standard Plan Format, we have found that the term "sensitive environmental area," is not defined in Section 32301 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. This term must be deleted and replaced with a definable term.
 - E. Sections 7 and 8 discuss similar situations. Section 7 should be deleted when the default statement is added to Section 6, as discussed in Item B above.
 - F. Section 8 needs to include a default approval statement in case the DPA does not make a consistency determination within the 60-day timeframe specified for the review of additional information.
 - G. You may wish to add a general statement that "If a developer does not agree with the county's determination of consistency, Rule 902 of the administrative rules for Part 115 provides that the developer may provide a statement to the Department of Environmental Quality (DEQ), at the time they submit a construction permit application, as to why they believe that the proposed disposal area is consistent with the Plan."
4. Local Ordinances (Page 56). Item 6, Monitoring of waste accepted and prohibited. This may be acceptable if it is meant to control waste types accepted (although these limitations must be included in the Plan) but local Ordinances cannot pertain to geographic sources or volumes of wastes. Those areas are governed solely by the provisions in the Plan. Item 8 is confusing. Is the intent to allow Ordinances governing municipal flow control in addition to the County's flow control Ordinance? Any such Ordinances need to be spelled out in the Plan in detail.
5. Local Ordinances (Page 85). The Alpena County Solid Waste Flow Control Ordinance must include its enabling authority either in the discussion or in the Ordinance itself. This cannot be Act 451 or the Plan. In addition, the definitions of terms used in the Ordinance should be consistent with the definitions found in Act 451 and the Rules. Differing definitions could cause confusion or be the basis of a legal challenge. Section 3 of the Ordinance makes it unlawful to dispose of waste other than in the Montmorency-Oscoda Landfill. What happens if that landfill closes or refuses to accept some types of solid waste? The Ordinance appears to be in conflict with the contingency provisions of the Plan.

In general, there are still a few Sections within the Plan which require additional information that needs to be included prior to the Plan being authorized to go out for public comment such as cost and funding information on page 64. Additionally, some comments in Brian Burke's letter of May 20, 1998, still need to be addressed, in particular, letters of acceptance of responsibilities from involved parties, such as the City of Alpena

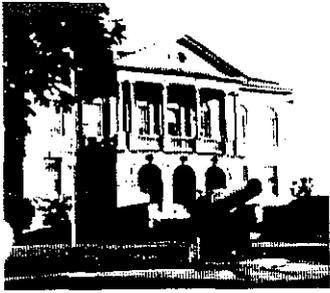
I appreciate the efforts that you have shown in the development of the Plan and the degree that the Plan Format has been utilized. This makes the document much easier to review. I hope these comments are useful to you and Alpena County in the continuing development of the Plan. If I can be of any further assistance, please feel free to contact me

Sincerely,



James E. Johnson
Solid Waste Management Unit
Solid Waste Program Section
Waste Management Division
517-373-4738

cc: Alpena County File



City of Alpena

100 W. WASHINGTON • 218 NORTH FIRST AVENUE • ALPENA, MICHIGAN 49705

September 3, 1998

Ms. Diane Rebowski, Director
Northeast Michigan Council of Governments
PO Box 457
Gaylord, MI 49734

Dear Ms. Rebowski:

At its August 31, 1998 meeting, the Municipal Council asked that I forward to you the memorandum from Councilman David Karschnick and City Manager Alan L. Bakalarski regarding the Alpena County Solid Waste Management Plan.

Sincerely,

Donna Hammerquist
City Clerk/Treasurer/Finance Director

DH/JP

Enclosure

DONNA HAMMERQUIST

CITY CLERK/TREASURER/FINANCE DIRECTOR

ALPENA
MICHIGAN'S ADVENSHORE

(517) 354-2196

FAX: (517) 354-4585

MEMORANDUM

TO: Mayor Nerkowski and Municipal Council Members

FROM: Councilman David Karschnick and City Manager Alan L. Bakalarski

SUBJECT: Comments on the Alpena County Solid Waste Management Plan

DATE: August 21, 1998

The draft Alpena County Solid Waste Management Plan (copy attached) is currently in the public review phase. The Alpena County Solid Waste Planning Committee conducted a public hearing on the plan on July 29, 1998, and is accepting written comments through September 15, 1998.

After the comment deadline, the planning committee will review the comments and public hearing testimony, make any necessary changes to the plan, and then approve the plan. The plan will then be sent to the County Board of Commissioners for action. If approved by the County Board, the plan will be sent to the 8 townships and the City for action.

At this time, it is not necessary for the Council to take any formal position on the plan; however, we would recommend that the following comments be submitted to the planning committee for consideration.

1. The proposed plan eliminates competition for the disposal of Alpena County solid waste. The elimination of competition and the reliance on only one primary landfill (Montmorency-Oscoda Landfill) may result in higher prices for solid waste disposal for Alpena County residents and businesses. The committee should address this issue. Possible solutions include the naming of at least two primary landfills in the plan; have the landfill or landfills guarantee their tipping fee prices for a reasonable period of time, i.e., five years; and/or arrangements to guarantee a certain flow to each primary landfill.
2. The proposed plan does not adequately address the disposal of industrial waste. The Alpena Industrial Council does not support the plan as was indicated at the public hearing on the plan. The plan relies on a disposal facility that does not currently accept industrial waste. In addition, the Montmorency-Oscoda Landfill does not have any experience in the handling, testing, and disposal of industrial and special wastes.
3. Alpena County and City of Alpena tax payers will be financially liable for the operation of the Montmorency-Oscoda Landfill if the landfill does not operate profitably and/or environmentally safe. If legislation to eliminate solid waste flow control passes, this could result in financial liability to City of Alpena taxpayers. Additionally, if environmental problems occur at the landfill, Alpena County and City of Alpena taxpayers again would be financially liable for cleanup activities. The plan should address these issues.

4. The proposed plan indicates that the County will initiate a county-wide recycling program by the year 2002. All prior drafts of the plan had an implementation date of 2000. It is recommended that the implementation date be changed back to 2000 and that more details on the recycling program be included in the plan, i.e., how will the recycling program be funded and how will the program actually work.
5. The City's solid waste transfer station on M-32 is currently underutilized. The draft plan states that "the Alpena Transfer Station will continue to be used at its current level." However, the plan also states that "the County, along with the City of Alpena and the Montmorency-Oscoda-Alpena Landfill Authority will explore options to increase the utilization of the transfer station by haulers." It is recommended that the proposed plan identify and detail how utilization at the transfer station will be increased.

ALB:NJB

Attachment

HAUSERS\Jan\City Manager\Solid Waste Plan comments.doc

**TOWNSHIP of OSSINEKE
HUBBARD LAKE, MICHIGAN**

Date: 08/24/98

To: NEMCOG

From: Ossineke Township Board

RE: Solid Waste Plan

The Alpena County Solid Waste Management Plan was reviewed by the Ossineke Township Board at our last regular meeting held on August 10, 1998. There are many questions, that came up, that could not be answered concerning Alpena County going in partnership with Montmorency-Oscoda Sanitary Landfill.

Some of the questions were, why can't we just continue to have our waste collected and disposed of the way it is now?

What will it do to the tipping fees if it is mandatory that all waste go to MOSL?

Will it cause a monopoly so they can set prices we can not afford?

Will there be a transfer station where the public can dispose of there own waste?

What will happen to Lafarge and some of the other companies that have their own source of waste disposal, will they be able to continue, or will they be forced to start using MOSL ?

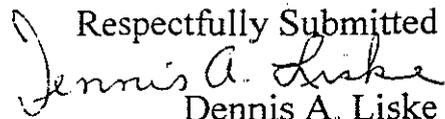
Why were we unwilling to let BFI take care of all our waste, and now we are willing to let MOSL take control ?

How long will the landfill last ?

Why hasn't the Alpena County Commissioners, that represent our townships, come back to inform us what is happening or get our opinon ?

These are just a few of the questions that came up at our last meeting. Our Township Board, I believe, is undecided on Alpena County joining MOSL.

Respectfully Submitted



Dennis A. Liske

Ossineke Township Clerk

Fink Zausmer

A PROFESSIONAL CORPORATION

31700 Middlebelt Road
Suite 150
Farmington Hills, MI 48334-2374
(248) 851-4111 Fax (248) 851-0100

Detroit Office:
2430 First National Building
Detroit, MI 48226-3535
(313) 963-3873
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David H. Fink
Mark J. Zausmer
Avery K. Williams
Michael L. Caldwell
Ruben Acosta

Gary K. August
Marshellia E. Jones
Karen Libertiny Ludden
Amy M. Sitner
Barbara B. Vacketra
Marcus A. Williams
Coquese S. Wilson

Of Counsel

David A. Domzal**
Eli Grier
John T. Peters, Jr.
Alan D. Wasserman****
Harvey I. Wax

September 3, 1998

Via Overnight Mail

Lansing Office:
600 West St. Joseph
Lansing, MI 48933-2265
(517) 371-7444
Fax (517) 484-6549

Email:
contact @ lawsite.com
Internet URL Address:
<http://www.lawsite.com>

**On Leave

**Also Admitted in Illinois and Ohio

****Also Admitted in District of Columbia

Northeast Michigan Counsel of Governments
Ms. Diane Rekowski, Director
121 East Mitchell
Gaylord, Michigan 49734

Re: Comments of Waste Management, Inc. on Draft Alpena County Solid Waste Management Plan

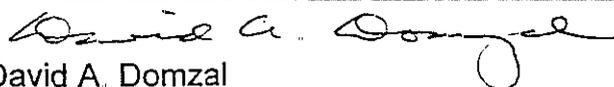
Dear Ms. Rekowski:

Enclosed please find the comments of Waste Management, Inc. on the Draft Alpena County Solid Waste Management Plan. As you can see, our comments relate to the flow control provisions of the Plan. We believe that the thrust of the Plan to reduce competition in the local disposal market is contrary to the direction in which Michigan's economy is moving and will merely impose a "government tax" on area consumers.

We would welcome the opportunity to meet with you and further review these concerns. Thank you for providing the opportunity to submit these comments.

Sincerely,

FINK ZAUSMER, P.C.


David A. Domzal

DAD/nkm
Enclosure
Cc with enclosure:
Dave Herberholz
Bob Berres
Seth Phillips, MDEQ
Wastemgt\mi reg\alpena\rekowski

COMMENTS OF WASTE MANAGEMENT, INC. ("WMI") IN
OPPOSITION TO THE FLOW CONTROL PROVISIONS CONTAINED IN
THE PROPOSED ALPENA COUNTY SOLID WASTE MANAGEMENT PLAN ("PLAN")

Statement of Position

WMI, formerly known as USA Waste Systems, Inc. is the owner and operator of the Crawford/Otsego Landfill ("Waters Landfill") as well as the operator of the City of Alpena Transfer Station. WMI is opposed to the flow control provisions of the Plan, which provisions would direct that all solid waste generated in Alpena County be disposed of at the Oscoda/Montmorency Landfill ("MOSL Landfill"), jointly owned and operated by Oscoda, Montmorency and Alpena counties.

We oppose these provisions for two reasons:

- We believe that, from a public policy standpoint, flow control is not in the best interest of the residents of the County, particularly since, by Alpena County's own calculations, this will result in a substantial increase in disposal costs.
- The implementation of such a flow control plan is contrary to existing legal principles, in large part because Alpena County is seeking to act not as a market participant, but rather as a market regulator in order to protect its financial interests.

WMI believes that the interests of the County are best served by promoting competitive hauling and disposal markets, which markets currently exist. In short, the provisions of the current Plan which allow disposal of Alpena County generated waste at either the Waters Landfill or the MOSL Landfill have served residents well, and should remain in place.

Public Policy Issues

In the introductory portion of the Plan, on page 3, the County sets forth its goals and objectives. Goal number 3 is to "insure competitive pricing of solid waste collection for consumers". However, on page 21, the County indicates that it did not select the Waters Landfill as a disposal option because local haulers currently servicing Alpena County would be placed at an economic disadvantage. Finally, on page 23 of the Plan, the County states that: "A primary concern of the majority of the Solid Waste Committee was to insure the existence of a competitive marketplace. Maintaining the MOSL will achieve the goal of maintaining a competitive marketplace for northeast Michigan."

It is unclear how the implementation of flow control to a publicly owned site would advance the above purposes stated within the Plan. What should be clear is that the elimination of competition in the disposal market does not promote competition in the hauling market. If anything, providing multiple disposal options for local haulers maintains a competitive balance, as it is easier for such local haulers to route their vehicles to the most cost-effective disposal facility in order to obtain maximum cost savings.

We are very concerned about the increased disposal costs which would necessarily result from implementation of the Plan. The financial analysis performed by Capital Consultants Engineers (a consultant retained by Alpena County) in September, 1997 assumes a future disposal rate at the MOSL Landfill of \$15.00/cubic yard. The report states that: "the maximum tipping fee which would be acceptable to the landfill users is \$15.00/cubic yard."

During the time the Plan was being drafted, Alpena County solicited disposal bids, and, in fact, had received bids approximately 50% below the expected disposal rates for the MOSL Landfill. This 50% increase is a tax on residents and businesses which merely serves to pull money out of the local economy. Why should the residents of Alpena County have to "accept" this tax, when no public purpose is being advanced?

Further, the logic of creating a disposal monopoly in order to avoid the potential for a monopoly in the hauling end of the business, where such monopoly does not and cannot exist, is difficult for us to understand. It is widely understood that the barriers to entry in the solid waste disposal business are high, given the capital requirements. Conversely, barriers to entry in the solid waste collection and hauling business are extremely low. Alpena County would be best served by providing its local haulers multiple disposal options.

It is ironic that, on page 68, the draft Plan acknowledges that: "if local haulers sell, (MOSL) landfill would be negatively impacted." Alpena County thus recognizes that its selected flow control strategy has no impact on the level of competition among local haulers, as larger market forces are at play. In summary, a disposal monopoly has been proposed to try to prevent a reduction in hauling competition, even though it is recognized that the County has little control on market conditions in the hauling business.

Legal Concerns

Commerce Clause

The constitutionality of solid waste flow control continues to be a source of litigation throughout the United States. WMI believes that the Plan, as drafted, violates the Commerce Clause of the U. S. Constitution, for the following reasons:

- The Plan facially discriminates against interstate commerce, as there is no practical opportunity for local haulers to take waste out of state, due to geographical constraints.
- The intent of the flow control provisions is purely to protect the economic interest of Alpena County as a member of the solid waste authority.
- Alpena County is not a market participant regarding the hauling of solid waste. It is acting as a market regulator.
- Courts generally apply a balancing test, to determine whether or not the burden imposed on interstate commerce is excessive in comparison to local benefits achieved, as well as whether or not the local benefits could be accomplished in a less discriminatory manner.

If Alpena County desires to get into the landfill business, far less discriminatory means could be accomplished to achieve the desired results. For example, the MOSL Landfill could, through offering competitive disposal rates, enter into long term contracts with local communities and private haulers, to insure a flow of waste to the facility.

Substantive Due Process

Courts have generally held that governmental actions must be rationally related to a legitimate purpose. As previously noted, there appears to be no logical connection between the objectives sought to be obtained i.e., increased competition in the solid waste collection and hauling business, and the method which is being chosen, i.e., reduction in competition in the solid waste disposal business.

Procedural Due Process

Courts have held that a person who feels aggrieved by a legislative or regulatory action must have a fair "day in court". In this case, WMI is now required to "appeal" to Alpena County as a decision-maker, who has a direct and substantial financial interest in reaching a conclusion contrary to WMI's. As such,

WMI has no opportunity for a fair and impartial ruling, as the process is now structured.

Regulatory Taking

We believe that WMI has vested rights in having the Waters Landfill included in the Plan. WMI relied on the fact that the Waters site has been an allowed disposal site for over 9 years, and business relationships have been entered into in reliance of such continued inclusion.

Conclusion

The State of Michigan established the solid waste planning provisions of Public Act 451 of 1994 to insure that each County has available to it ten (10) years of disposal capacity. As such, each County Solid Waste Plan must demonstrate that such amount of capacity is available. In this case, the Plan acknowledges (on page 68) that, even without consideration of the MOSL Landfill, there exists more than 20 - 25 years of available disposal capacity at the Waters Landfill. Alpena County is thus proposing to "use" this available capacity at the Waters Landfill, on a "contingency" basis, to meet its statutory obligation to provide for 10 years of disposal capacity. At the same time the County wants to eliminate the same landfill's right to compete in the disposal market on an everyday basis. That approach is unfair.

WMI is not opposed to competition with the public sector in the landfill business. WMI is opposed to having its opportunity to compete taken away from it.

Northeast Michigan Recycling Coalition
Northern Recyclers

Systems Development Sub-Committee
August 5, 1998

1. Suggestions for Group Name

2. Scope - Areas to be addressed

Facility

Transfer Station, Central Processing Facility,

Collection Methods

Hauling contracts, Drop Off Sites, Containers

Labor

Evergreen, Prison, Contracts with Haulers, DPW

Other Areas

3. Additional Members needed ?

4. Other topics

5. Next Meeting date

**Minutes
of the
Northeast Michigan
Multi-County Recycling Committee
July 14, 1998
VFW Hall
Hillman, MI**

Call To Order: The meeting was called to order by acting Chair, Scott Smith.

Members Present: Scott Smith, Jim Zavislak, Al Bartow, Bill Dashner, Terry DeBlaay, Bud Wegmeyer, Bob Fornier, Ken Paquet, Dave Herberholtz, Mary Ann Wikaryasz, Dolores Baker, Allan Bruder, Diane Rekowski, Roger Frye, Mary Bray - Alpena News.

Committee Chair: Scott S. discussed with the group the need for a Chair and asked for any volunteers for the position. Hearing none, Scott retained the position of Chair.

Montmorency-Oscoda- Alpena (MOASL) Landfill Authority Meeting: Diane R. informed the Committee that she met with the MOASL Landfill Authority and discussed with them the idea of this multi-county recycling committee coming under the auspices of the Landfill Authority. The Landfill Authority approved at their meeting on 7/15/98 the multi-county committee coming under the auspices of the landfill Authority Board (see enclosure).

Action Plan Development: The following is a summary of the Action Plan developed by the committee to implement a multi-county recycling program.

Objective One: Determine the facility type, equipment needs, labor needs, and program costs for a multi county recycling program.

SubCommittee: Systems Development

Members: Ken Hubbard, Al Nadeau, Ken Paquet, Roger Frye, Allan Bruder, Bill Dashner.

Chair: Bill Dashner

Meeting Date: August 5, 1998; 1:00p.m. at the Cabin Creek Restaurant in Alpena (near mall).

Objective Two: Explore opportunities for Recycling Systems financing.

Subcommittee: Financing Committee

Members: Al Nadeau, Bud Wegmeyer, Scott Smith, Diane Rekowski, Jim Zavislak.

Chair: Jim Zavislak.

Meeting Date: Will notify.

Meeting Notice

**Northeast Michigan
Multi-County Recycling Committee
August 25, 1998
10:00a.m.
VFW Hall
Hillman, MI**

Agenda

I. Call To Order

II. Minutes of Previous Meeting

III. Subcommittees Update

IV. Other Business

V. Next Meeting Date

VI. Adjournment

*** Please review enclosed member list. Feel free to invite any others that may be interested in assisting in this effort.**

Meeting Notice

Northeast Michigan
Multi-County Recycling Committee

September 8, 1998

10:00 a.m.

Community Mental Health

400 Johnson

Alpena, MI

Contact Person at CMH: Bill Dashner, 517-356-0098 ext. 246

Agenda

- I. Call To Order
- II. Minutes of Previous Meeting
- III. Subcommittees Update
- IV. Other Business
- V. Next Meeting Date
- VI. Adjournment

*Please review enclosed member list. Feel free to invite any others that may be interested in assisting in this effort.

Minutes
of the
Northeast Michigan
Multi-County Recycling Committee
September 8, 1998
Community Mental Health
Alpena , MI

Call to Order

The meeting was called to order by Chair Scott Smith at 10:00 a.m.

Persons In Attendance

Renee Jent, Link Hibernig, David Nordquist, Wayne Hewett, Pat Hochrein, Delores Baker, Diane Rekowski, Al Bartow, Roger Frye, Bill England, Bob Fournier, James Zavislak, Scott Smith, Al Nadeau, Bud Wegmeyer, Mark Hunter, Bill Dashner, Mary Ann Mary Ann Wekaryasz

Review of Minutes of Previous Meeting

Minutes were presented from the previous meeting. Copies of the mailing list were distributed with encouragement to include others and any necessary information.

Subcommittees Update

Systems Development-

Ken is looking into equipment prices, (baler, glass crusher, 30 yrd. Containers). Possibilities for building locations were discussed, including the Fivesons (not available), Tandem trucking was mentioned (located off Ford Ave.), with the understanding that noise in residential areas would be a factor. The committee agreed that because of the complexity of different issues, there was a need of Phasing. Phase I- was defined as acquiring the necessary equipment to operate a viable small scale recycling program in the city of Alpena, capitalizing on the resources currently available. Phase II- would involve developing a recycling operation large enough to handle materials from Alpena and surrounding counties. This would include finding a suitable location and equipping a building with a horizontal baler, storage areas, and the equipment needed to move the materials. Suggestions were also made to make correspondence with such persons as the various Industrial Land owners, the State Of Michigan, and possibly the Department Of Natural Resources.

Discussion took place regarding the need to form a partnership agreement. Dianne discussed the draft of such an agreement and volunteered to look into it.

Through the discussion of system development subcommittee, much advice was given to the committee on how and what to focus their attention on for the time being. Equipment, hard core numbers, and a location if need be for volume or possible satellites

Management Committee

The subcommittee reported the ideas of moving recycled products to manufacturing plants in the area such as the Petoskey Plastics company whom uses 30% recycled materials for their products

Meeting Notice

**Northeast Michigan
Multi-County Recycling Committee
October 2, 1998
9:00a.m.
District #4 Health Department
Alpena, MI**

Agenda

I. Call To Order

II. Minutes of Previous Meeting

III. Subcommittee Working Session

IV. Subcommittee Reports

V. Next Meeting Date

VI. Adjournment

**Minutes
of the
Multi-County Recycling Committee
October 2, 1998
District #4 Health Department
Alpena, MI**

Call To Order: The meeting was called to order by Chair Scott Smith at 9:20 a.m.

Members Present: Scott Smith, Al Bartow, Bud Wegmeyer, Terry DeBlaay, Dave Herberholtz, Clyde Soucie, Dan Sikarski, Paul Chellberg, Connie Stafford, Bill Dashner, Wayne Hewitt, Bill England, Diane Rekowski, Kevin Boyat.

Minutes of the Previous Meeting: Al moved, seconded by Bud to approve the minutes as presented. Ayes all, motion carried.

Subcommittee Working Session: As many members were not present, it was decided to not hold a working session. An update of the committees was then provided.

Education Committee: Bill Dashner presented logo designs for the recycling committee. After discussion it was decided by majority vote that the name of the organization will be *Northeast Michigan Recycling Alliance*.

Bill then distributed the Recycling Services log (enclosed). Committee members are asked to distribute or complete the form so that the brochure can be completed.

Discussion then followed on funding. A grant was submitted to Rural Development for a waste heat utilization feasibility study, and additional grants will be submitted for equipment and technical assistance. A grant will also be submitted to the Community Foundation for possible printing and mailing costs of the recycling committee. Diane will meet with the Montmorency - Oscoda Landfill Authority to discuss roles and funding opportunities. The committee then discussed the possibility of obtaining printing costs through advertisements. Bill volunteered staff time to phone potential business donors. Scott and Bill will meet to develop solicitation form.

Bill informed the committee that he attended the Township Association meeting for Alpena County to inquire as to the possibility of sending the recycling survey out with the tax notices. The townships were not in general support for sending out the surveys with the tax notices. It was decided that a letter from the County Board of Commissioners informing the Townships of the recycling committee would be helpful. Discussion then followed as to the need for the survey, as it is felt that there is community support for a program. It has been suggested by other Recycling Centers that a survey is a necessary step in establishing a program as it reinforces the support for a program to policy makers. Discussion then followed on other means of survey distribution. It was decided to pursue sending the surveys via the Advertisers Postal Service. Diane and Bill will work on the survey.

Systems Development: Wayne Hewitt distributed an equipment list he has been working on (see enclosure). He has located new and used equipment. Bill England suggested that they talk to a broker, as the broker may include a baler at lower cost, he also suggested leasing as an alternative to purchasing to lower costs. Discussion followed. It was decided to develop a preliminary budget for capitol costs and projected operating costs for the next meeting.

Diane informed the committee on the Alpena County Solid Waste Management Plan and recent meetings with the City of Alpena regarding recycling. A strategic plan was provided to the committee which has been included in Alpena County's Plan, which incorporates the concepts of the multi-county program. It also provides timelines for program initiation.

The partnership agreement was also discussed. The partners will be expanded and sent to each participant to complete their portion of the agreement.

Other issues discussed were: waste heat, tires, household hazardous waste and composting.

Next Meeting Date: The next meeting will be November 5, 1998; 1:00 p.m. at District #4 Health Department in Alpena.

Adjournment: The meeting was adjourned at 11:45 a.m.

Date: 9/23/98

To: Alpena County Solid Waste Committee

From: Diane Rekowski 

RE: Changes to the Alpena County Solid Waste Plan

Since the last meeting I have met with representatives from the City of Alpena, local Industry, and the MOSL Landfill Authority to discuss objections to the Solid Waste Plan and to develop workable solutions. Enclosed is a new draft of the Alpena County Solid Waste Plan which addresses the majority of the local concerns. All changes have been made in bold. Highlights of the changes to the Plan are: allow the industrial portion of Alpena County's waste stream to be disposed of either at the MOSL or the Waste Management Landfill in Waters, MI; expanded upon the details of the recycling program, added objectives, tasks, and timelines, discussed further the role of the transfer station and added language to explore the opportunity to develop a partnership between the City of Alpena and Alpena County for transfer station operations. Changes were also made based on the DEQ's review of the plan.

Please review the enclosed materials and let me know of any additional changes you may have. The charge for the next Alpena County Solid Waste Planning Committee meeting is to move forward to Alpena County Board of Commissioners a committee approved plan.

Feel free to contact me with any comments or concerns. The changes that have been made will hopefully result in a locally approved plan. See you on October 7th!

**Minutes of the
Alpena County Solid Waste Planning Committee Meeting**

Wednesday October 7, 1998

6:00 PM

Alpena Community College
Alpena, MI

Call to Order

The meeting was called to order by chair Scott Smith at 6:08 PM

Members Present

Scott Smith, Kenneth Hubbard, Gerald Steinke, Dave Karschnick, Bill Dashner, Dave Herberholz, Alfred Nadeau, Linda Jewell, Mary Ann Wikaryasz, Allan Bakalarski, Dolores Baker, Lynn Wallace, Bud Wegmeyer Others Present: Michael Mehary, Lynn Hibner, Link Hibernig, Ken Paquet, Ken Gauthier, Jere Gagnon, Roger Frye, Ken Lobert, Bonnie Krajiniak, Joyce McLain. DPA: Diane Rekowski, Sarah Zorn

Absentee Vote

Committee members discussed if an absentee vote would be valid Grant Sork wrote down his vote but was unable to stay for the meeting A motion was passed that committee members must be present to vote.

Minutes of Previous Meeting

Reviewed minutes from previous meeting. Moved by Bud Wegmeyer, seconded by Lynn Wallace to approve the Minutes of the June 9th meeting. Ayes all, motion carried.

Public Comment Review

Committee members received a copy of the transcribed manuscript from the tape of the public hearing. Written public comments were briefly reviewed. Dave Herberholz pointed out specifically the issues raised by the letter from the Chamber of Commerce and from Ossineke Township. He feels that these concerns about competition were not adequately addressed. Discussion followed from the committee. Several members expressed that they felt the concerns were taken into consideration even though they did not result in changes to the plan.

Moved by Al Nadeau, seconded by Ken Hubbard to approve the transcribed public hearing comments. Ayes all, motion carried.

Review of Changes to Solid Waste Plan

Diane reviewed the latest changes to the solid waste plan. The major change was that residential/commercial waste will be sent to MOSL, but industrial waste can be disposed of at either MOSL or the Waste Management Landfill in Waters. More detail about specifics of the recycling program were added to the Plan and tipping fee estimates at MOSL were included.

Dave Karschnick had several comments about changes made to the plan in response to requests made by the City of Alpena. He was pleased that more detail was provided on the recycling program and generally feels good about the changes. He would like to see the transfer station change its price.

schedule so that city and county residents would be charged the same price (as it is now, county residents pay more). The City is already starting to work on this issue. He also mentioned that interest rates are good right now so it would be a good time to issue a bond.

Public Comment Period

Joyce McLain commended the committee for all their hard work.

Al Nadeau moved to accept the plan as of October 7th, 1998, taking into account the revisions that have been discussed at this meeting. Bud Wegmeyer seconded. 11 ayes, 1 nay, motion carried.

Adjournment

Meeting adjourned at 6:45 PM.

MEETING NOTICE

Alpena County Solid Waste Planning Committee

October 7, 1998

6:00 p.m.

Alpena Community College

CTR 106

Alpena, MI 49707

Agenda

I. Members Present

II. Minutes of Previous Meeting

III. Review of Public Comments

IV. Review of Changes to Draft Solid Waste Management Plan

V. Public Comment

VI. Approval of Alpena County Solid Waste Management Plan

VII. Adjournment



P.O. Box 367, Alpena, MI 49707

Classifieds

LEGAL NOTICES

August 29 1998
 MORTGAGE CORPORATION
 INFORMATION PLEASE CALL:
 42-4202
 Trust, P.C.
 vs for CONTIMORTGAGE
 ORATION
 Telegraph
 20
 Farms Michigan 48025
 5054312
 29 September 4, 11 18, 25

NOTICE OF BIDS WANTED

ARE being accepted for
 Ring at the Hubbard Lake
 Community Center building on
 rd north end Hubbard
 Bids must be received
 September 30, 1998 For
 ation call Wes Thiem 727-
 Craig Gerow 727-9172.

GARAGE SALES

MERCHANT, Satur-
 3a m -12p m. Dining
 et, small appliances, etc.
 MILKE DRIVE, Saturday,
 3p.m Many like new
 or RVs, complete aquar-
 and lots of misc.
 WILLOWDALE, Friday &
 ty, 9a.m.-? Lamp tables,
 metal dress form, sewing
 e table, antique cedar
 and misc. items.
 WOLF CREEK RD.
 ber 23-26, 9a.m.-5p m.
 ce wardrobe, round
 nd table, lamps, misc
 coins collectible an-
 guns rifles shotguns,
 ves, tools, shingles,
 uts and bolts, antique
 ne sail boat, Chevy S-
 p Ford Aerostar Van,
 mall appliances, glass-
 all pictures desk, new
 lf clubs with bag and
 your Christmas shop-
 ly
 ENRIDGE ST. Friday
 Jay 8a.m. 4p m 350
 engine, 205 gear to gear,
 sc hardware, house-
 is.
 HINCKLEY, Friday,
 m & Saturday, 9a.m.-
 ts of clothes, 14" tire,
 mirror, 1/2 price Sat-
 er noon.

GARAGE SALES

3027 HINCKLEY BLVD., Satur-
 day, 10a m -5p.m. Sunday
 1p.m.-5p.m. Clothing, tools,
 chains, household items.
 3171 PIPER RD., Saturday,
 9a.m.-5p.m. Lamps, bar stools,
 oil painting, vases, antique
 tools, Reebok step system,
 Misc. items.
 3323 LOWELL AVE. (off Werth
 Rd.), Friday, 11a m.-5p.m. &
 Saturday, 10a.m.-3p m. Mi-
 crowave, electric typewriter, bi-
 cycle, clothes, and misc. items.
 3522 WEBB RD., Wolverine
 (take I-75, exit 301, turn east to
 corner of Afton Rd. and Moli-
 neux Rd., go straight. Follow
 signs), Friday & Saturday,
 9a.m.-5p.m. No early birds
 Household and antique furni-
 ture, old tools, like new 12 5h p.
 riding mower with 42" cut. Lots
 of old stuff. Taking bids on an-
 tiques and large items. Rain or
 shine. (616) 525-8177.
 4-FAMILY SALE: 100 MABLE,
 September 24 thru September
 27, 9a.m.-5p.m.
 416 LINCOLN (Washington to
 Potter, 1 block to Lincoln), Fri-
 day, 10a.m.-2p.m. Saturday,
 9a.m.-12p.m. Don't miss this
 one, 4 family yard sale A little
 bit of everything. Packing box-
 es, brand name clothing (infant
 thru adult), oak dresser drawer
 with full size mirror, modern
 dresser, end table, Bric a Brac,
 FAA approved small pet carry-
 on bag, cat supplies, skis,
 skates, fan, books. Christmas
 decorations, free items, ma-
 ternity clothes, much more
 Rain or shine but no early sales.
 441 S. ADDISON (just off
 Grant), Saturday 8a.m.-7p m
 Misc. household goods, toys,
 clothing, bike, interior doors,
 furniture, other All must go by
 end of day.
 442 NORTH ST (off Grant)
 Saturday, 8a.m -4p m. Gas
 wall furnace, Power Wheel
 Jeep and Big Foot shotgun
 buck knife, Home Interior, An-
 dersen window, steel door,
 clothing of different sizes and
 lots of misc.
 502 MINOR ST. (behind Luds)
 Saturday 9a.m.-1p.m. Beanies,
 padlo set, tables, chairs, house-
 hold items clothing and much
 more

GARAGE SALES

MINTON RD. NEIGHBOR-
 HOOD CIRCLE SALE: 1/2
 mile south of the light in Ossi-
 neke, Friday and Saturday.
 9a.m.-5p m Bikes, trailers,
 doors, designer children and
 adult clothing, many toys, some
 furniture, lots of free items.
 MOVING SALE: 8718 NAP-
 PER RD., Herron (between
 King Settlement and Herron
 Rd), September 25, 26 & 27,
 9a.m.-6p.m. All furniture. Eve-
 rything must go!
 MOVING SALE: 927 SABLE,
 Friday & Saturday, 9a.m.-6p.m.
 Inside, rain or shine! Everything
 goes.
 MULTI FAMILY: 2090 AUT-
 UMN DR., Saturday, 2p.m.-
 6p.m. & Sunday, 12p.m.-6p.m.
 Nintendo, TYCO, Whipple
 trees, boys clothing, fax ma-
 chine, household items, car top
 carrier, dog houses, tons of
 misc.
 Neighborhood barn sale,
 11 family sale: 13662 Hubbard
 Lake Rd (between Scott Rd. &
 Nicholson Hill Rd), Friday &
 Saturday, 9a.m -3p m. Some-
 thing for everyone, don't miss
 out. Household items, typewrit-
 er, clocks, dishes, toys, ap-
 pliances.
 SUPER SATURDAY SALE:
 113 W. BLAIR, September 26,
 8a.m.-noon. Something for eve-
 ryone. New and used.

MUSICAL GROUPS & HALLS

ALPENA EAGLES Club #1241
 has hall ready for reservations.
 Call for appointment, 354-4577.
 Backwoods Entertaining
 DJs for all occasions, years of
 experience. Please call
 727-3501.
 HALL RENTAL
 Knights of Columbus 6851,
 Spruce, Michigan, US-23 can
 accommodate 300 +. Recently
 air conditioned. Call Joe
 Bushey, 471-5060.
 VFW HALL #2496 for rent.
 2900 Connon St Air condi-
 tioned. Excellent parking. Rea-
 sonable rates. Call 354-3848.

LOST & FOUND

ANNOUNCEMENTS

ARTIS Fine & Decorative
 Arts Gallery
 209 N Second
 Downtown Alpena
 Drawing and painting classes
 to be offered in October by Mar-
 garet Pingel at Artis. Call 517-
 354-3876 for a listing of class-
 es, dates, and supply list.
 ASSISTANCE WITH daily liv-
 ing. My AFC Home beck and
 call service. 733-8102.
 ATTENTION CRAFTERS:
 Ridgerunners Arts and Craft
 Show space available, \$20,
 Saturday November 28. Call
 Charlotte 354-0075.
 IN A continuing effort to
 provide the very best deliv-
 ery service to our valued cus-
 tomers, our circulation de-
 partment is open 6:00a.m. to
 11a.m. Saturdays, 8:00a.m. to
 5:00p.m. daily. Phone The
 Al-pena News at 354-5426.
 THERE WILL be a meeting of
 the Narrows Improvement As-
 sociation at Hinks School on
 September 25, 1998 at 7p.m.

MEETING NOTICES

Alcona Lodge #292
 316 E. Traverse Bay St. Rd.
 Lincoln, MI 48742
 Saturday, Sept 26 1998
 E. A. Degree, 7p.m.
 Refreshments After
 Ralph D. Kiann, WM
 Alpena County Solid Waste
 Planning Committee
 October 7, 1998
 6p m.
 Alpena Community College
 CTR 106
 Alpena, MI 49707

AUTOMOTIVE (CARS)

BUICK CENTURY 1995, 4-cy-
 linder, loaded. 64,000 miles.
 \$7,700 Excellent condition
 Under book price. 471-2905.
 BUICK ELECTRA, 1970. All
 original, \$800 or best offer. May
 be seen at Al's Collision Piper
 Rd., Alpena. 724-5020.
 BUICK REGAL LIMITED,
 1992. Power windows, locks
 and seats air cruise, radio
 controls on steering wheel, key
 less entry for doors and trunk

AUTOMOTIVE (CARS)

DODGE INTREPID, 1996;
 40,000 miles. Excellent condi-
 tion. Great buy at \$12,000 Will
 deal. 379-4725.
 DODGE INTREPID, 1995.
 Very good shape \$1,000's
 below book - \$8,500. 379-4725.
 DODGE SPIRIT, 1993. V-6, 4-
 door, burgundy, low miles, ex-
 cellent condition. \$6,000 Call
 354-4443.
 DODGE SPORT Dart, 1974.
 Fresh 383 automatic. 3 55 Sure
 Grip. 0 miles on engine. \$4,500
 firm. 517-766-8839.
 EAGLE VISION TSI, 1995.
 45,000 miles, loaded, Pioneer
 10 CD player, \$11,000 or best
 offer. 724-5020.
 FOR SALE or Trade: 1994
 Chevy Cavalier, 4 cylinder, au-
 tomatic, 62,000 miles, sunroof,
 spoiler. Sharp! 356-2575.
 FORD TAURUS Station Wag-
 on, 1993. Low mileage. \$7,300.
 Excellent condition. 471-2905.
 FORD TAURUS Wagon, 1994.
 Excellent condition. Loaded.
 103,000 miles. Must sell! Make
 offer 379-2007, after 6p.m. or
 leave message.
 FORD TEMPO GL, 1992. 4 cy-
 linder, 5-speed, 4-door, power
 windows, tilt, cruise. Like new.
 \$1,950 or best. 595-6002.
 GEO STORM GSI, 1991. Very
 well maintained. Excellent con-
 dition. \$3,600. 595-2297.
 GMC JIMMY, 1990. 4x4, clean,
 many extras, power windows,
 luggage rack, tilt, cruise air,
 \$5,000. 727-2542.
 HONDA ACCORD EX Coupe,
 1996. 5-speed, loaded, excel-
 lent condition. \$11,800 517-
 939-8656.
 LINCOLN CONTINENTAL
 Mark V. 1960. Original, 4-door
 sedan power windows/locks
 Serious calls only. 354-8595.
 LINCOLN TOWN CAR, 1985.
 Runs great \$1,000 or best
 734-3821.
 MERCEDES-BENZ 300TD
 diesel, 1985 4-door sedan,
 mint condition, very well main-
 tained. Call R. A. Townsend
 Co., 351-3105. days. ask for
 Russ.
 MUSTANG, 1966. Comple-
 tely restored. Number match

MEETING NOTICE

Northeast Michigan Recycling Alliance

November 5, 1998

1:00 p.m.

District #4 Health Department

Alpena, MI

AGENDA

I. Members Present

II. Minutes of Previous Meeting

III. Program Development

A. Survey

B. Brochure Development

C. Equipment Costs

D. Partnership Agreement

E. Budget

F. Funding

IV. Market Development

V. Other Business

VI. Next Meeting Date

VII. Adjournment

Alpena County Recycling Program

Goal: Establish and maintain a resource recovery program to reduce the overall dependency on land disposal and to provide for the conservation of natural resources.

Objective One: Establish a recyclable material collection drop-off system which is convenient for the general public by June, 1999. The materials to be recycled initially include: newspaper, office paper, corrugated, metal cans, plastic milk jugs, plastics #2, and glass.

Task 1: Determine the location of convenient drop-off sites for compartmentalized containers.

- a. Determine initial locations in the City of Alpena, and Alpena Township-Glen's, Neimann's, Wal-Mart, schools, industries.
- b. Determine sites for outlying areas.
- c. Obtain agreements to establish drop-off sites.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, and Evergreen Recycling

Assisting Agency: NEMCOG, Landfill Authority - Multi-County Subcommittee

Timeframe: October 1998

Task 2: Develop a local funding mechanism for purchase of containers.

- a. Surcharge at Landfill
- b. Adopt-A-Container
- c. Submit grant to local foundations.

Lead Agency: City of Alpena, Alpena County

Assisting Agency: NEMCOG, Landfill Authority- Multi-County Subcommittee

Timeframe: October 1998 - March 1999

Task 3: Establish drop-off collection sites at five key locations.

- a. Place containers at key locations.
- b. Initiate a volunteer monitoring program to oversee drop-off sites.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, Landfill Authority- Multi-County Subcommittee, Evergreen Recycling

Assisting Agency: NEMCOG

Timeframe: June, 1999

Task 4: Continue to procure funds to purchase, and establish drop-off sites in out-lying areas in Alpena County and in partnering counties, with all sites in place by the year 2000.

Lead Agency: City of Alpena, Alpena County, Alpena Township and other townships, Landfill Authority- Multi-County Subcommittee, Evergreen Recycling.

Assisting Agency: NEMCOG

Timeframe: June 1999 - December 2000

Objective Two: Hire the necessary personnel to oversee the development and operations of the recycling program.

Task 1. Determine the need for hiring a consultant on a part-time basis to assist with Systems Development.

- a. Contact Emmet County for input on consultant needs.
- b. Determine tasks for Consultant.

Lead Agency: City of Alpena, Alpena County, Townships, Landfill Authority- Multi-County Subcommittee, Evergreen Recycling.

Assisting Agency: NEMCOG

Timeframe: October 1998 - November 1998

Task 2. Procure funding to hire a consultant if determined necessary.

- a. Submit grant to Rural Development.
- b. Meet with Landfill Authority on possible funding opportunities.

Lead Agency: City of Alpena, Alpena County, Townships, Landfill Authority- Multi-County Subcommittee, Evergreen Recycling.

Assisting Agency:

Timeframe: December 1998

Task 3. Determine need/funding source for Recycling Coordinator position.

- a. Meet to determine scope of work program and tasks associated with possible position.
- b. Determine single or multi-county position.
- c. Explore possible funding sources, i.e. surcharge, millage

Lead Agency: City of Alpena, Alpena County, Landfill Authority- Multi-County Subcommittee, Evergreen Recycling.

Assisting Agency:

Timeframe: January 1998

Objective Three: Establish a Central Processing Facility to serve the short-term and long-term needs of the County of Alpena and interested adjacent counties.

Phase One.

Task 1: Upgrade the existing Evergreen Recycling Building to enable processing of Alpena County's recyclable materials by June, 1999.

- a. Determine equipment needs/costs.
 1. Baler
 2. Forklift
 3. Storage
 4. Storage containers
 4. Truck for Container Pick-up.
- b. Determine operational and maintenance needs/costs.
- c. Transportation needs for material marketing.

Lead Agency: Evergreen Recycling

Assisting Agency: City of Alpena, Alpena County, Landfill Authority.

Timeframe: October 1998 - June 1999

Task 2: Explore funding mechanisms for program start-up.

- a. Research grant opportunities.
- b. Research local opportunities.
- c. Meet with local officials and Landfill Authority to determine surcharge opportunities.

Lead Agency: City of Alpena, Alpena County, Landfill Authority, Evergreen Recycling

Assisting Agency: NEMCOG

Timeframe: October 1998 - January 1999

Task 3. Purchase equipment and make any necessary changes to building for program start-up.

Lead Agency: Evergreen Recycling

Assisting Agency: City of Alpena, Alpena County, Landfill Authority.

Timeframe: October 1998 - June 1999

Phase Two

Task 4. Determine long-term building needs and explore possible building locations to include considerations of best site for multi-county program, marketing, transportation, workers.

Lead Agency: Evergreen Recycling, City of Alpena, (Consultant), Alpena County, Townships

Assisting Agency: Landfill Authority - Multi-county Recycling Committee

Timeframe: January 1999- September 1999

Objective Four: Secure the financial resources to operate and maintain a Central Processing Facility and drop-off sites on a multi-county level.

Task 1: Establish a surcharge on solid waste for the purpose of funding a multi-county recycling program.

- a. Meet with the MOSL Authority to establish surcharge rates and to develop guidelines for funds distribution.
- b. Meet with Waste Management to establish mechanism for retrieving surcharge on industrial waste disposed at Waste Management's Landfill in Waters, MI.

Lead Agency: Multi-county Recycling Committee

Assisting Agency: Evergreen Recycling, NEMCOG

Timeframe: December 1998

Task 2: Pursue local, state, and federal funding for equipment and building costs.

- a. Develop and submit grants to local, state and federal funding sources
- b. Explore possibilities of two year start-up millage.

Lead Agency: Landfill Authority- Multi-County Subcommittee

Assisting Agency: NEMCOG, Consultant

Timeframe: January 1999 - Ongoing



Recycling Services Log

Company or Group Name _____

Contact Person _____

Location _____

Phone # _____ Fax # _____

E-Mail _____ Date form completed _____

Hours of Operation _____

Type of materials accepted and any special preparation techniques

Fees ? _____

Please return completed form to : Bill Dashner 400 Johnson Street, Alpena MI 49707

* Any changes since last completion of this form No _____ Yes as noted below

Evergreen Equipment

Recycling Truck

Used 1991 RII Recycler Truck 6 compartment body \$15,800.00

Forklifts

Used 7,000 pound forklift \$ 800.00
Used Mercury 5,000 lb. Pettibone \$ 2,500.00
Used Case 584E 3300 hours \$16,500.00
Used 89 Hyster \$ 4,200.00
Used Cat Forklift 93 \$ 7,950.00
Used Cat Forklift 91 \$ 6,950.00
Used Hyster Pneumatic \$ 5,500.00
Used Hyster 3,000 \$ 2,300.00

Bobcats

New skid steer Bobcat Model 751 w/grapple, forks and 60 in. bucket \$24,532.64
Used 97 Bobcat Model 873 \$26,000.00
Used 88 Case Model 1835 C \$ 7,900.00
Used 94 Bobcat Model 753 \$12,900.00

Balers

New McClain Vertical Baler AP 60 w/shipping \$10,202.00
Used Piqua Downstoke Baler IHD 2200 \$ 6,600.00
Used 30X60 Baler 460V 2 Phase \$ 4,600.00

Glass Crusher

Used 1 Phase 115 Volt \$ 1,000.00

Hopper

New Lift Truck Hopper ¼ yard \$ 340.00

CONTACTS

Soo Welders
Chuck Valrey
906-632-8241
16' Trailer
Referred by Don Holt

A1 disposition
517-373-4741
Melinda Kieller
(now part of USA Waste)

Actron Steel
Brian Moore Traverse City
616-947-3981
Will build to our specifications (large volume)

Date: 10/26/98

To: Local Government Officials

From: Diane Rekowski, Director 

RE: Local Approval of the Alpena County Solid Waste Management Plan

A copy of the 1998 Update of the County Solid Waste Management Plan and a resolution to be used to either approve or disapprove the Plan has been sent to you clerk. Please review this plan at your earliest convenience, so that your local government can vote on its approval at either the November or December meeting.

Background: Over the past year NEMCOG and the Alpena County Solid Waste Planning Committee have worked together to prepare the 1998 Update of the Alpena County Solid Waste Plan. The Plan, in summary, provides for a resource recovery program to be initiated in the county, residential and commercial waste to be disposed of on a primary basis at the Montmorency-Oscoda Sanitary Landfill, and industrial waste disposed of on a primary basis either at the Montmorency-Oscoda Sanitary Landfill in Montmorency County or Waste Management's Sanitary Landfill in Waters, MI.

The Plan has recently been approved by the County Board of Commissioners. By law (PA 451, Part 115), this Plan must be approved by a minimum of 67 percent of all local units of government within the county. After receiving local approval, the Plan is sent to the Michigan Department of Environmental Quality (DEQ) for State approval. If the Plan is not approved locally, the DEQ will then write the county's plan, with no local approval.

Action Steps: The following steps should be taken to insure that the necessary procedures are conducted in a timely manner.

1. Review the Plan. A copy of the Plan is available at your clerk's office. Should you need to have a separate copy of your own, please request that your clerk make a copy. If this is not possible, please contact me at the above phone number.
2. Vote on the Plan Approval Resolution at either the November or December meeting.
3. After the Plan is voted on, have your clerk return a completed copy of the resolution to me at the above address
4. Please contact me if you should have any questions regarding the Plan.

Thank you for your attention to this important issue. Please feel free to contact me if you should have any questions or concerns.