FINAL DOCUMENT FOR SUBMITTAL TO THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL EQUALITY

PLAN FORMAT

FOR PREPARING

COUNTY SOLID WASTE MANAGEMENT PLANS

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

John Engler, Governor
Russell J. Harding, Director

Michigan Department of Environmental Quality
Waste Management Division

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

EQP 5210 (8-97)

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1997 PLAN UPDATE COVER PAGE

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

DATE SUBMITTED TO THE DEQ:
If this Plan includes more than a single County, list all counties participating in this Plan.

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

Municipality	Original Planning County	New Planning County

DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:
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CENTRAL REPOSITORY LOCATION(S): Montcalm County Courthouse, 211 West Main Street, Stanton, MI. Minutes of the Solid Waste Planning Committee are available in this location.

Date Submitted to DEQ: 2/28/00

EXECUTIVE SUMMARY

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

OVERALL VIEW OF THE COUNTY (attach additional pages as necessary)

Township or Municipality name	Pop.	% Land Use		% Economic base*				
		Rural	Urban	Ag	For	Ind	Com	Other
Belvidere	2134	100	0	40	3	0	2	55
Bloomer	2922	96	4	75	0	5	5	15
Bushnell	1284	100	0	91	1	0	5	3
Cato	2500	100	0	43	2	25	15	15
Crystal	2541	100	0	49	1	5	15	30
Day	1196	95	5	75	2	0	12	10
Douglass	1944	100	0	77	3	5	5	10
Eureka	2594	80	20	68	2	5	15	10
Evergreen	2594	100	0	75	2	10	8	5
Fairplain	1571	100	0	84	3	0	5	8
Ferris	1189	100	0	85	5	0	5	5
Home	2513	97	3	25	0	60	10	5
Maple Valley	1824	100	0	87	3	0	5	5
Montcalm	2879	100	0	73	0	10	10	7
Pierson	2177	99	1	68	2	5	10	15
Pine	1392	100	0	75	5	0	10	10
Reynolds	3028	90	10	55	0	25	15	5
Richland	2355	100	0	72	3	10	10	5
Sidney	2320	100	0	73	2	0	15	10
Winfield	1336	100	0	88	2	0	5	5
Carson City	1158	0	100	00	0	25	60	15
Greenville City	8101	0	100	0	0	75	20	15
Stanton City	1504	0	100	0	0	0	40	60
TOTAL (1990)	53,056			10	1	48	34	7

Total Population

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

EXECUTIVE SUMMARY

Montcalm County has a population of 53,056 and is considered predominately rural in nature. Its largest municipality is the City of Greenville, which has a population of 8,101. The population of the County as a whole is expected to grow 13% in the next ten years. There is some level of seasonal population in the County, but all growth is expected in the residential sector. The selected solid waste management system is therefore somewhat simple.

The County has a landfill in Pierson Township, Central Landfill, that is currently seeking approval for an additional 80 acres of licensed disposal space. This additional space, in combination with agreements with many surroundings counties for use of their landfills, will give the County more than enough landfill space for the next 10 to 20 years. In addition, the City of Greenville hosts a Waste Management Incorporated owned transfer station that collects and transports trash to predominately three landfills, Central Landfill, Autumn Hills Landfill in Ottawa County and Pitsch Landfill in Ionia County. There are still many residents within the County that burn their trash and do not use conventional disposal means.

The selected system is to utilize the landfill within the County as well as the other landfills currently being used via the transfer station in Greenville. Seven independent haulers are available for curbside service to the county as a whole, although only about 25% of the population have curbside trash hauling service. Most communities have weekly trash pickup.

There are recycling efforts offered within the County, however, most of this service is offered to the residents in the more densely populated municipalities, such as Greenville and Stanton. It is not economical for the haulers to arrange recycling for most of the rural residents. Rural recycling by truck would require long routes with long distances between stops for a small quantity of material. The quantities picked up do not justify the expense. Previous experience with rural recycling has shown that many residents do not participate or do not produce enough to fill a bin, even every other week. Drop off containers are often contaminated with trash or not used at all. Continuing to offer recycling collection in densely populated areas and offering staffed drop off collection in sparser areas is likely to be the best method in Montcalm. Recycling education is planned as part of the selected system in the schools and through community literature.

Currently, some of the County's industries are having success with their waste diversion and recycling programs. Fridgidaire has substantially reduced its waste per unit produced, as has Drake Industries. These efforts are expected to continue and the industrial diversion coalitions will share their knowledge and experience with other industries.

Natural composting operations are at a minimum in Montcalm. Currently, there are only four such facilities. One is offered by the City of Greenville, another in Edmore in Home Township another at Central Landfill and one in the Village of Howard City. The Greenville facility uses this site for yard waste and brush pick up within the City, and will manage the site in an effort to produce usable compost. This is also similar to the activity at Central Landfill and in Edmore. Again, with most of Montcalm having large open space and sparse population, composting sites are not a major concern. However, as part of the selected system, yard waste reduction techniques will be offered as an educational program and municipalities will kept informed of the availability of composting programs in the County.

CONCLUSIONS AND SELECTED ALTERNATIVE

The selected system is representative of the needs of a rural county and low waste generation rate. The County does not require a large variety of options for waste disposal or recycling to meet its needs and still keep these services affordable. The Solid Waste Planning committee feels through increased educational efforts, lobbying and new services at each Township's discretion, the solid waste system will continue to work at a reasonable level with capacity and interest to fuel future improvements.

INTRODUCTION

GOALS AND OBJECTIVES

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

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

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

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

> Objective 1a: Increase drop off locations for recycling all materials, specifically oil and those items currently collected at curbside for those areas with curbside programs. Increase household hazardous waste collections.
>
> Objective 1b: Provide positive reinforcement for major industrial, municipal and commercial recyclers through awards and publicity.

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

> Objective 2a: Increase enforcement of open dumping offenses.
>
> Objective 2b: Decrease open burning and resulting air quality concerns.

Goal 3: Encourage public participation through ongoing educational programs and providing information to the public.

> Objective 3a: Provide an opportunity for all residents to recycle through drop-off stations and information on recycling availability.

Objective 3b: Increase educational efforts in elementary schools through a specific unit in curriculum.

Objective 3c: Establish a recycling information packet for distribution in public locations to newcomers and other groups.

Goal 4: Encourage commercial sector participation in recycling and other nondisposal practices.

Objective 4a: Increase resource recovery opportunities for the commercial sector by offering consolidated waste and recycling collection.

Goal 5: Promote lobbying in solid waste issues.

Objective 5a: Advocate a more inclusive returnable bottle law.

DATA BASE

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

Waste Type	Current Annual Volume	Five-Year Annual Volume	Ten-Year Annual Volume
Household solid waste	27,242 tons	31,516 tons	34,546 tons
Commercial solid waste	10,093 tons	10,331 tons	10,758 tons
Industrial solid waste	5,420 tons	5,420 tons	5,420 tons
Industrial sludge	59 tons	59 tons	59 tons
Municipal sludge (estimate)	150 tons	169 tons	188 tons
Construction/demolition	712 tons	712 tons	712 tons
Foundry Sand (estimate)	8,100 tons	8,100 tons	8,100 tons

Household solid waste figures were derived using both actual figures reported to the county by waste haulers and disposers and standardized solid waste generation rates for rural and urban areas from the Environmental Protections Agency's Waste Characterization study for 1995 and the National Solid Waste Management Association's Technical reports. The EPA indicates that waste is generated at the rate of 4.5 pounds per day per person. We believe this figure to be high in predominately rural Montcalm County.

The NSWMA establishes a range of 2.5 to 3.5 pounds per day per person. In the absence of any other available information such as a waste characterization survey, we have elected to use the NSWMA figure as a guide and comparison to what we learned through contact with haulers and generators.

There are 57,800 people in Montcalm County, according to the Michigan Information Center's 1995 estimates. Population figures for municipalities are extrapolated from U.S. Census STF 1A Summary Tapes.

From information learned from the waste industry, phone interviews and general discussions, we concluded **that the current total solid waste generated in Montcalm County is 51,776 tons per year.** Subtracting all non household wastes figures from this number, we determined that 27,242 tons of household waste are produced per year. This equates to 2.89 pounds per person per day, adjusted to reflect waste disposal by 90% of the population. We have determined through the Solid Waste Committee that approximately 10% of the population burns and/or buries their waste. This figure is consistent with the NSWMA range per person.

Commercial generation rates were also derived two ways. From phone interviews with waste haulers and generators within Montcalm, we determined that 10,692 tons of commercial waste are generated in a year. Comparing that to the NSWMA Technical Bulletin # 85-6 commercial conversion rate of 0.9 pounds per person per day, the total commercial waste equates to 9,494 tons per year, for a difference of 1,198 tons or 11%. Commercial waste lacks consistent sources of information or other accurate measures needed to determine actual generation rates. As a result, we are estimating the commercial generation rate for 1997 is 10,093 tons per year, which is the average of the two figures, 10,692 and 9,494 discussed above. Projected population figures for commercial waste were derived from population projections for the county using a consistent multiplier of .9 pounds per person per day.

Industrial generation rates were determined through phone interviews of the largest manufacturers in the county. We believe that these figures are very close to the actual total industrial waste produced in the county. The manufacturers were quite cooperative and provided accurate current and historical figures for waste generation. We also found that there is an ongoing concerted effort to track and divert waste in their operations. Most industries were actually reducing the amount of industrial waste produced through recycling and other forms of diversion.

Industrial sludge in Montcalm County is produced only by Frigidaire and hauled by industrial waste haulers to disposal and reclamation sites outside the county. Our figure represents solids only since fluids, (70%) of all sludges reported here, are reclaimed.

Municipal sludge is only produced from the Greenville wastewater treatment plant. The figures used were derived from actual amounts of sludge produced for 1997. Projected figures were extrapolated from population projections.

Construction and demolition waste figures were compiled from landfill figures directly.

Two industrial generators provided the foundry sand figure. One industry hauls their foundry sand to Central landfill, (owned by Allied) in Pierson Township. The other has their waste hauled to Autumn Hills landfill in Ottawa County by Waste Management. Together, in 1997, they produced 8,100 tons of foundry sand for disposal.

TOTAL QUANTITY OF SOLID WASTE GENERATED:
51,776 Tons or ☐ Cubic Yards in one year (identify unit of time)

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:
51,776 Tons or ☐ Cubic Yards in one year (identify unit of time)

DATA BASE

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

Central Sanitary Landfill, Montcalm County P.O. Box 199, Pierson, MI 49339

The landfill is located in Pierson Township, at 21545 Cannonville Road, just off U.S. 131. See attached site map.

Central Landfill is 315 acres in size. Of these, 18.45 are currently permitted for disposal. The landfill accepts residential, commercial and industrial wastes, construction and demolition, asbestos, sludges, contaminated soils and foundry sand. They accept some yard waste and brush for composting, but it is a very minor portion of their space and business.

Waste Management Transfer Station, Montcalm County 1415 Shearer, Greenville, MI 48838

The transfer station is located on Shearer Road in Greenville. The transfer station is 6 acres in size.

The facility accepts household, commercial, industrial and construction and demolition wastes. The transfer station accepts recyclables. They are newspaper, glass, tin, aluminum, plastic and cardboard. They do not accept yard waste or brush. Waste from this transfer station goes to the Autumn Hills Landfill in Ottowa County for final disposal. Recyclables go to the Recycle America facility owned by Waste Management in Grand Rapids.

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Central Sanitary Landfill**

County: **Montcalm** Location: Town: **11** Range: **10** Section(s): **21**

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

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

☐ Public **X** Private Owner: **Allied Waste**

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

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

Site Size:

Total area of facility property:	315	acres
Total area sited for use:	35.92	acres
Total area permitted:	20.37	acres
Operating:	20.37	acres
Not excavated:	2.83	acres
Current capacity:	373,428	☐ tons or X yds^3
Estimated lifetime:	2	years
Estimated days open per year:	306	days
Estimated yearly disposal volume:	100,000	☐ tons or X yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Composting**

Facility Name: **Central Sanitary Landfill**

County: **Montcalm** Location: Town:**10** Range: **11**Section(s): **21**

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

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

☐Public **X** Private Owner: **Allied Waste**

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

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

Site Size:

Total area of facility property:	315	acres
Total area sited for use:	—	acres
Total area permitted:	N.A.	acres
Operating:	10	acres
Not excavated:	N.A.	acres
Current capacity:	N.A.	☐tons or ☐yds^3
Estimated lifetime:	N.A.	years
Estimated days open per year:	306	days
Estimated yearly disposal volume:	780	☐tons or X yds^3

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: **Recycling and Solid Waste Transfer Station**

Facility Name: **Waste Management of Michigan, Greenville**

County: **Montcalm** Location: Town: **9** Range: **8** Section(s):

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

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: **Waste Management of Autumn Hills.**

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

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

* Explanation of special wastes, including a specific list and/or conditions: **Recyclables accepted are glass, metals, glass, plastic, newspaper, and cardboard. Special wastes include contaminated soils, grinding swarf, sludges.**

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	6	acres
Total area permitted:	6	acres
Operating:	6	acres
Not excavated:	N.A.	acres
Current capacity:	N.A.	☐ tons or ☐ yds^3
Estimated lifetime:	N.A.	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	N.A.	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Autumn Hills Recycling & Disposal Facility**

County: **Ottawa** Location: Town: 5N Range: 14W Section(s):36

Map identifying location included in Attachment Section: Yes X No

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

☐ Public ☒ Private Owner: Autumn Hills RFD - A Division or Waste Management of Michigan, Inc.

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

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

exhausted oak wood trays, minor first aid waste, contaminated pharmaceuticals manufacture, paint booth filters, dewatered waste water treatment sludge, out of spec/our of date food supplements, spent epoxy powder coatings, sand blasting sand, wood chips/dust from production, shot blast, construction and demolition materials, foundry sand, filter press cake, incinerator ash, saw dust, contaminated soils, auto fluff, asbestos, grinding sludge, car wash and sand pit/traps, and food materials.

Site Size:		
Total area of facility property:	314	acres
Total area sited for use:	197	acres
Total area permitted:	99.3	acres
Operating:	35.1	acres
Not excavated:	64.2	acres
Current capacity:	20.75	☒ tons or ☐ yds^3
Estimated lifetime:	30.2	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	☒ tons or ☐ yds^3

(if applicable)		
Annual energy production:		
Landfill gas recovery projects:	NA	megawatts
Waste-to-energy incinerators:	NA	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Ottawa County Farms, Ottawa County**

County: **Ottawa** Location: Town: 8N Range: 14W Section(s):26 & 27

Map identifying location included in Attachment Section: Yes X No

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

☐ Public ☒ Private Owner: Allied Waste Systems

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

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

Site Size:		
Total area of facility property:	240	acres
Total area sited for use:	197	acres
Total area permitted:	240	acres
Operating:	37	acres
Not excavated:	125	acres
Current capacity:	16,500,000	☒ tons or ☐ yds^3
Estimated lifetime:	25-30	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	☒ tons or ☐ yds^3

(if applicable) Annual energy production:		
Landfill gas recovery projects:	4.565	megawatts
Waste-to-energy incinerators:	NA	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Pitch Sanitary Landfill**
County: **Ionia** Location: Town:___Range:___Section(s):

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

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

☐ Public ☐ Private Owner:

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

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

Site Size:	Current:	
Total area of facility property:	148.49	acres
Total area sited for use:	28.36	acres
Total area permitted:	78.44	acres
Operating:	9.87	acres
Not excavated:	70.00	acres
Current capacity:	415,000	tons
Estimated days open per year	307	days
Estimated lifetime:	5	years
Estimated yearly disposal volume:	83,000	tons

(if applicable)
Annual energy production:
Landfill gas recovery projects: ___ 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.

In rural Montcalm, solid waste is collected and transported from the point of generation to a disposal facility by private waste haulers. There are seven private waste haulers operating and serving household, commercial and industrial clients. Most residential waste hauling is contracted by individuals with the hauler of their choice. The City of Greenville has the only municipal contract with a hauler in the county.

All of the county's household waste is hauled to one of four locations: Central Sanitary Landfill in Pierson Township, Waste Management transfer station in Greenville, Pitsch Landfill in Ionia, or Autumn Hills landfill in Ottowa County.

Recyclables are also collected by private haulers under individual contract with the exception of the City of Greenville. Recyclables are taken to the same locations as the solid waste.

Yard waste, brush and wood waste is transported from and by the City of Greenville twice each year to their collection site. All others can drop yard wastes at any of the landfills, but not at the transfer station in Greenville.

An overall difficulty in solid waste collection is the presence of numerous unpaved and/or private roads in poor condition. Waste collection is hampered by inability to access all stops and difficulty determining the proper stop due to poor numbering and the clustered and seasonal nature of development in some areas.

EVALUATION OF DEFICIENCIES AND PROBLEMS

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

Household deficiencies:

1. It is estimated that 10% of households still burn their waste on their own property. Some communities report problems with this practice and some have ordinances that ban burning such as Douglass Township.
2. Air quality is decreased as a result of open burning, particularly when plastic containing items are burned. Residents burning trash are located along existing collection routes for haulers, but choose not to pay for collection services due to perceived high cost.
3. There are not enough drop-off locations for recyclables. Each community should have at least one drop off per month. Drop-off stations must be supervised to avoid mixing trash with recyclables. Stanton has a drop-off program that is working well and could be used as a model in other communities.
4. Residents need more opportunities to recycle household hazardous waste. Currently there is only one opportunity per year to recycle these materials. The collection does not include oil and paint. Oil and paint are currently found in dumpsters, potentially due to lack of recycling opportunities. An additional problem is lack of publicity on the time and location of the one household hazardous waste recycling program.
5. The County is deficient in public education for available waste disposal, recycling opportunities and good waste managment practices.
6. Poor house identification makes it difficult to service even those households with contracts. Montcalm County has a law regarding visible house numbering. This problem is being addressed slowly but consistently.
7. Accessibility is a concern due to seasonally poor road condition and lack of space to maneuver large collection trucks in rural and tourist areas.

Commercial/Industrial deficiencies:

1. There is ample opportunity to increase separation of recyclables and reusables from the industrial and commercial waste streams. For example, Drake Industries and Frigidaire have drastically reduced the amount of solid waste disposal through refinement in manufacturing processes. This has proven to be cost effective for these businesses and this lesson is transferable to other operations.
2. There is a need to increase public and business education about reusing construction and demolition debris.

DATA BASE

DEMOGRAPHICS

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

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

Population Center	1996 Pop.	2003 Pop.	2008 Pop.
City of Greenville	8,506	9,101	9,375
Carson City	1,207	1,327	1,394
City of Stanton	1,654	1,854	1,946
Howard City	1,420	1,490	1,630
Eureka Township	2,798	3,002	3,441
Grand Rapids area corridor (western Pierson, Reynolds Townships)	5,694	6,182	7,278

Industrial Centers	1996 Population	2003 Pop.	2008 Pop.
City of Greenville	8,506	9,101	9,375
Montcalm County	58,000	62,900	65,500

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.

In the next five years Montcalm is expected to increase in population by about 9%, to a total of 62,900. In ten years, the population is expected to increase approximately 13%, to a total of 65,500 people. Most of this increase is anticipated to occur around the existing municipal areas, especially those just north of Grand Rapids, such as Greenville, Eureka Township and Howard City.

Rural Montcalm is growing at a fairly slow rate and land development is at a correspondingly slow rate in the eastern part of the County. The western areas of the County that are currently rural are expected to grow rapidly over the next ten years. All of this growth is expected to be residential and be comprised largely of people who work in Grand Rapids.

Most of the overall land development is occurring within the cities in Montcalm. Greenville is the largest (9,500 people) city in Montcalm, with the most land development. The growth in most of Montcalm is slow and does not present a specific challenge for planning for solid waste services.

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.

We have identified **three main solid waste management alternatives.**

The **first is the solid waste management system as it currently exists** and operates. Montcalm County has a solid waste hauling system that has evolved over the years to serve the unique combination of rural, urban and seasonal households and businesses in this diverse County. Household recycling efforts have been both organized in urban areas and sporadic, but effective in rural areas. Commercial and industrial recycling has improved and increased significantly over the last five years, leading the county in diverted waste and innovative methods. Burning remains an issue, but does not occur to the extent that it negates the value of the current system.

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

- Institute a monthly drop off location for recyclables in each community. The location should be supervised to prevent contamination and be easily accessible to the largest population base. Four or five locations are recommended on a staggered schedule to adequately cover the County.
- Establish more frequent and diverse household hazardous collection programs. These need to be well publicized and include a variety of household items. These should be located throughout the county as well and be on a staggered schedule.
- Yard waste and composting options should be better publicized, and expanded where possible. The City of Greenville may be able to accommodate more material than it currently does, creating a good location for an established composting operation.

- Commercial and industrial diversion is going very well. Successful efforts should be advertised and used as examples for other commercial operations where applicable.

This alternative stresses increasing public awareness of recycling, reuse and composting alternatives, **identifying households** in a more consistent manner to improve the efficiency of the current waste hauling system and **decreasing open burning.** The third alternative is to institute **curbside disposal and recycling for the county as a whole** by ordinance. The purpose of this alternative is to ensure that everyone has the opportunity to dispose of waste properly and with the least amount of effort. The negative aspects of this alternative are that curbside collection is not the most efficient nor cost effective way to eliminate open burning and promote recycling. This is a rural area with long distances between stops in some locations. Curbside collection on a countywide basis does not make sense. While we do not recommend this alternative due to its expense and element of overkill for a predominately rural area, we include it in the plan to show that the County has considered all alternatives.

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

THE SELECTED SOLID WASTE MANAGEMENT SYSTEM

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

This alternative is a combination of the system as it currently exists with several refinements. First we would recommend maintaining the current system of solid waste hauling and disposal efforts, as they are operating well and can expand easily to cover households that currently do not contract for hauling services. Changes in this system that we recommend include additional efforts at **diverting recyclable and reusable materials** from the waste stream through four main methods:

- Institute a monthly drop off location for recyclables in each community. The location should be supervised to prevent contamination and be easily accessible to the largest population base. Four or five locations are recommended on a staggered schedule to adequately cover the County.
- Establish more frequent and diverse household hazardous collection programs. These need to be well publicized and include a variety of household items. These should be located throughout the county as well and be on a staggered schedule.
- Yard waste and composting options should be better publicized, and expanded where possible. The City of Greenville may be able to accommodate more material than it currently does, creating a good location for an established composting operation.
- Commercial and industrial diversion is going very well. Successful efforts should be advertised and used as examples for other commercial operations where applicable.

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

IMPORT AUTHORIZATION

If a Licensed solid waste disposal area is currently operating within the County, disposal of solid waste generated by the EXPORTING COUNTY

is authorized by the IMPORTING COUNTY up to the AUTHORIZED QUANTITY according to the CONDITIONS AUTHORIZED in Table 1-A.

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME[1]	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Montcalm	Allegan		not stated		
Montcalm	Barry		not stated		
Montcalm	Calhoun		not stated		
Montcalm	Clare		not stated		
Montcalm	Clinton		not stated		
Montcalm	Eaton		not stated		
Montcalm	Genesee		not stated		
Montcalm	Gladwin		not stated		
Montcalm	Gratiot		not stated		
Montcalm	Ingham		not stated		
Montcalm	Ionia		not stated		
Montcalm	Isabella		not stated		
Montcalm	Kalamazoo		not stated		
Montcalm	Kent		not stated		
Montcalm	Lake		not stated		
Montcalm	Livingston		not stated		
Montcalm	Manistee		not stated		
Montcalm	Mason		not stated		
Montcalm	Mecosta		not stated		
Montcalm	Midland		not stated		
Montcalm	Missaukee		not stated		
Montcalm	Muskegon		not stated		
Montcalm	Newaygo		not stated		
Montcalm	Oceana		not stated		
Montcalm	Osceola		not stated		
Montcalm	Ottawa		not stated		
Montcalm	Saginaw		not stated		
Montcalm	Shiawassee		not stated		
Montcalm	Wexford		not stated		

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

Table 1-B
FUTURE IMPORT VOLUME AUTHORIZATION OF SOLID WASTE
CONTINGENT ON NEW FACILITIES BEING SITED

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME[2]	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS

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

EXPORT AUTHORIZATION

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

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME[3]	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Montcalm	Allegan		not stated		
Montcalm	Barry		not stated		
Montcalm	Calhoun		not stated		
Montcalm	Clare		not stated		
Montcalm	Clinton		not stated		
Montcalm	Eaton		not stated		
Montcalm	Genesee		not stated		
Montcalm	Gladwin		not stated		
Montcalm	Gratiot		not stated		
Montcalm	Ingham		not stated		
Montcalm	Ionia		not stated		
Montcalm	Isabella		not stated		
Montcalm	Kalamazoo		not stated		
Montcalm	Kent		not stated		
Montcalm	Lake		not stated		
Montcalm	Livingston		not stated		
Montcalm	Manistee		not stated		
Montcalm	Mason		not stated		
Montcalm	Mecosta		not stated		
Montcalm	Midland		not stated		
Montcalm	Missaukee		not stated		
Montcalm	Muskegon		not stated		
Montcalm	Newaygo		not stated		
Montcalm	Oceana		not stated		
Montcalm	Osceola		not stated		
Montcalm	Ottawa		not stated		
Montcalm	Saginaw		not stated		
Montcalm	Shiawassee		not stated		
Montcalm	Wexford		not stated		

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

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[4]	AUTHORIZED QUAN/DAILY	AUTHORIZED QUAN/ANN	AUTHORIZED CONDITIONS
Montcalm	Allegan		not stated		
Montcalm	Barry		not stated		
Montcalm	Calhoun		not stated		
Montcalm	Clare		not stated		
Montcalm	Clinton		not stated		
Montcalm	Eaton		not stated		
Montcalm	Genesee		not stated		
Montcalm	Gladwin		not stated		
Montcalm	Gratiot		not stated		
Montcalm	Ingham		not stated		
Montcalm	Ionia		not stated		
Montcalm	Isabella		not stated		
Montcalm	Kalamazoo		not stated		
Montcalm	Kent		not stated		
Montcalm	Lake		not stated		
Montcalm	Livingston		not stated		
Montcalm	Manistee		not stated		
Montcalm	Mason		not stated		
Montcalm	Mecosta		not stated		
Montcalm	Midland		not stated		
Montcalm	Missaukee		not stated		
Montcalm	Muskegon		not stated		
Montcalm	Newaygo		not stated		
Montcalm	Oceana		not stated		
Montcalm	Osceola		not stated		
Montcalm	Ottawa		not stated		
Montcalm	Saginaw		not stated		
Montcalm	Shiawassee		not stated		
Montcalm	Wexford		not stated		

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

SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages III-7 through III-25 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:

Central Sanitary Landfill
Hastings Sanitary Landfill
Pitsch Landfill
Venice Park Landfill
Ottawa County Farms Landfill
Autumn Hills Landfill
South Kent Landfill
Muskegon County Solid Waste Facility
Taymouth Landfill
Saginaw Valley Landfill
People's Landfill
Granger Wood Street Landfill
Granger Grand River Avenue Landfill
Northern Oaks Recycling and Disposal

Type III Landfill:

Incinerator:

Waste-to-Energy Incinerator:
Kent County

Type A Transfer Facility:

North Kent County Transfer Station
Waste Management of Greenville

Type B Transfer Facility:

Processing Plant:

Waste Piles:

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.

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Central Sanitary Landfill**

County: **Montcalm** Location: Town: **11** Range: **10** Section(s): **21**

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

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

☐ Public **X** Private Owner: **Allied Waste**

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

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

Site Size:

Total area of facility property:	315	acres
Total area sited for use:	115.92	acres
Total area permitted:	20.37	acres
Operating:	20.37	acres
Not excavated:	2.83	acres
Current capacity:	1,027,781	☐ tons or X yds^3
Estimated lifetime:	4.94	years
Estimated days open per year:	306	days
Estimated yearly disposal volume:	124,700	X tons or yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **City Environmental Services Landfill, Inc. of Hastings**

County: **Barry** Location: Town: **3W** Range: **8N** Section(s): **6**

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

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

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

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

* Explanation of special wastes, including a specific list and/or conditions: **foundry sand, fly ash, municipal wastewater sludges, trees and stumps**

Site Size:

Total area of facility property:	330	acres
Total area sited for use:	330	acres
Total area permitted:	48	acres
Operating:	19.5	acres
Not excavated:	28.5	acres
Current capacity:	5,000,000	☐ tons or X yds^3
Estimated lifetime:	10+	years
Estimated days open per year:	308	days
Estimated yearly disposal volume:	175,000	X tons or yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Recycling Transfer Station**

Facility Name: **Waste Management of Michigan, Greenville**

County: **Montcalm** Location: Town: **9** Range: **8** Section(s):

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

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: **Waste Management of Auburn Hills**

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

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

* Explanation of special wastes, including a specific list and/or conditions: **Recyclables accepted are glass, metals, glass, plastic, newspaper, and cardboard.**

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	6	acres
Total area permitted:	6	acres
Operating:	6	acres
Not excavated:	N.A.	acres
Current capacity:	N.A.	☐ tons or ☐ yds^3
Estimated lifetime:	N.A.	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	N.A.	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Solid Waste Transfer Station**

Facility Name: **Waste Management of Michigan, Midwest**

County: **Montcalm** Location: Town: **9** Range: **8** Section(s):

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

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

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

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

* Explanation of special wastes, including a specific list and/or conditions Special wastes include contaminated soils, grinding swarf, sludges.

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	6	acres
Total area permitted:	6	acres
Operating:	6	acres
Not excavated:	N.A.	acres
Current capacity:	N.A.	☐ tons or ☐ yds^3
Estimated lifetime:	N.A.	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	N.A.	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Pitsch Sanitary Landfill**
County: **Ionia** Location: Town:___Range:___Section(s):

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

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

☐ Public X Private Owner:

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

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

Site Size:	Current:	
Total area of facility property:	148.49	acres
Total area sited for use:	28.36	acres
Total area permitted:	78.44	acres
Operating:	9.87	acres
Not excavated:	70.00	acres
Current capacity:	415,000	tons
Estimated days open per year	5	years
Estimated lifetime:	307	days
Estimated yearly disposal volume:	83,000	tons

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Autumn Hills Recycling & Disposal Facility**

County: **Ottawa** Location: Town: 5N Range: 14W Section(s):36

Map identifying location included in Attachment Section: Yes X No

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

☐ Public ☒ Private Owner: Autumn Hills RFD - A Division or Waste Management of Michigan, Inc.

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

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

exhausted oak wood trays, minor first aid waste, contaminated pharmaceuticals manufacture, paint booth filters, dewatered waste water treatment sludge, out of spec/out of date food supplements, spent epoxy powder coatings, sand blasting sand, woodchips/dust from production, shot blast, construction and demolition materials, foundry sand, filter press cake, incinerator ash, saw dust, contaminated soils, auto fluff, asbestos, grinding sludge, carwash and sand pit/traps, and food materials.

Site Size:

Total area of facility property:	314	acres
Total area sited for use:	197	acres
Total area permitted:	99.3	acres
Operating:	35.1	acres
Not excavated:	64.2	acres
Current capacity:	20,750,000	☒ tons or ☐ yds^3
Estimated lifetime:	30.2	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Ottawa County Farms, Ottawa County**

County: **Ottawa** Location: Town: 8N Range: 14W Section(s): 26 & 27

Map identifying location included in Attachment Section: Yes X No

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

☐ Public ☒ Private Owner: Allied Waste Systems

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

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

Site Size:

Total area of facility property:	240	acres
Total area sited for use:	197	acres
Total area permitted:	197	acres
Operating:	37	acres
Not excavated:	125	acres
Current capacity:	16,500,000	☒ tons or ☐ yds^3
Estimated lifetime:	25-30	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	4.565	megawatts
Waste-to-energy incinerators:	NA	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Waste to Energy**

Facility Name: **Kent County Waste to Energy**

County: **Kent** Location: Town: NA Range: NA Section(s): City of Grand Rapids

Map identifying location included in Attachment Section: Yes X No

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

☒ Public ☐ Private Owner: Kent County

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

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

Site Size:

Total area of facility property:	_____	acres
Total area sited for use	_____	acres
Total area permitted:	_____	acres
Operating:	_____	acres
Not excavated:	_____	acres
Current capacity:	625/day	☐ tons or ☐ yds^3
Estimated lifetime:	_____	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	194,000	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	NA	megawatts
Waste-to-energy incinerators:	72/day	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Type A Transfer Station**

Facility Name: **North Kent County Transfer Station**

County: Kent Location: Town: 8N Range: 11W Section(s): 2, 3

Map identifying location included in Attachment Section: Yes X No

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

☒Public ☐ Private Owner: Kent County

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

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

Site Size:

Total area of facility property:	_____	acres
Total area sited for use	_____	acres
Total area permitted:	_____	acres
Operating:	_____	acres
Not excavated:	_____	acres
Current capacity:	_____	☐ tons or ☐ yds^3
Estimated lifetime:	_____	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	22,000	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **South Kent Landfill, Kent County**

County:**Kent** Location: Town:5N Range:12W Section(s): 36

Map identifying location included in Attachment Section: Yes X No

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

☒Public ☐ Private Owner: Kent County

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

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

Site Size:

Total area of facility property:	250	acres
Total area sited for use	112	acres
Total area permitted:	112	acres
Operating:	31	acres
Not excavated:	81	acres
Current capacity:	7,600,000	☒ tons or ☐ yds^3
Estimated lifetime:	38	years
Estimated days open per year:	310	days
Estimated yearly disposal volume:	155,000	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Muskegon County Solid Waste Facility, Muskegon County**

County: **Muskegon** Location: Town:10N Range:14W Section(s): 19 & 20

Map identifying location included in Attachment Section: Yes X No

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

☒Public ☐ Private Owner: Muskegon County Board of Public Works

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

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

Site Size:

Total area of facility property:	120	acres
Total area sited for use	93	acres
Total area permitted:	93	acres
Operating:	34.3	acres
Not excavated:	32.7	acres
Current capacity:	2,683,440	☐ tons or ☒ yds^3
Estimated lifetime:	14	years
Estimated days open per year:	312	days
Estimated yearly disposal volume:	195,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Taymouth Landfill, Saginaw County**

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

Map identifying location included in Attachment Section: Yes X No

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

☐Public ☒ Private Owner: Republic Services

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

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

Site Size:

Total area of facility property:	138.89	acres
Total area sited for use	43	acres
Total area permitted:	25	acres
Operating:	15	acres
Not excavated:	10	acres
Current capacity:	1,300,000	☐ tons or ☒ yds^3
Estimated lifetime:	7-8	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	216,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Saginaw Valley Landfill, Saginaw County**

County: **Saginaw** Location: Town:T11N Range:R3E Section(s): NW1/4 Sec1

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

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

☐Public ☒ Private Owner: USA Waste

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

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

Site Size:

Total area of facility property:	84.25	acres
Total area sited for use	50.02	acres
Total area permitted:	50.02	acres
Operating:	35.37	acres
Not excavated:	23.64	acres
Current capacity:	240,000	☐ tons or ☒ yds^3
Estimated lifetime:	1	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	240,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Peoples Landfill, Saginaw County**

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

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

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

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

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

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

Site Size:

Total area of facility property:	163.5	acres
Total area sited for use	103.6	acres
Total area permitted:	103.6	acres
Operating:	29.1	acres
Not excavated:	53.0	acres
Current capacity:	5,301,641	☒ tons or ☐ yds^3
Estimated lifetime:	20	years
Estimated days open per year:	254	days
Estimated yearly disposal volume:	1000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	3.2	megawatts
Waste-to-energy incinerators:	—	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Granger Wood Street Landfill**

County: **Clinton/Ingham** Location: Town:5N/4N Range:2W Section(s): 34/3

Map identifying location included in Attachment Section: Yes X No

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

☐Public ☒ Private Owner: Granger Waste Management Company

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

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

Site Size:

Total area of facility property:	302.8	acres	
Total area sited for use	194.8	acres	+67 (future permitting in Ingham
Total area permitted:	104.3	acres	County)
Operating:	49.5	acres	
Not excavated:	54.8	acres	
Current capacity:	10,981,000	☐ tons or ☒ yds^3 Air Yards	
Estimated lifetime:	34	years	
Estimated days open per year:	260	days	
Estimated yearly disposal volume:	600,000	☐ tons or ☒ yds^3 Gate Yards	

(if applicable)
Annual energy production:

Landfill gas recovery projects:	3.2	megawatts
Waste-to-energy incinerators:	—	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Granger Grand River Avenue Landfill**

County: **Clinton** Location: Town:5N Range:3W Section(s): 29

Map identifying location included in Attachment Section: ☐ Yes If requested X No

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

☐Public ☒ Private Owner: Granger Land Development Company

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

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

Site Size:

Total area of facility property:	180.9	acres
Total area sited for use	120.9	acres
Total area permitted:	85.7	acres
Operating:	54.3	acres
Not excavated:	31.6	acres
Current capacity:	7,617,000	☐ tons or ☒ yds^3 Air Yards
Estimated lifetime:	32	years
Estimated days open per year:	300	days
Estimated yearly disposal volume:	600,000	☐ tons or ☐ yds^3 Gate Yards

(if applicable)
Annual energy production:

Landfill gas recovery projects:	4.0	megawatts
Waste-to-energy incinerators:	___	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Venice Park Landfill**

County: **Shiawassee** Location: Town: T7N Range: R4E Section(s): 26/27

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

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

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

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

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

Site Size:

Total area of facility property:	325	acres
Total area sited for use	80	acres
Total area permitted:	80	acres
Operating:	42	acres
Not excavated:	2.5	acres
Current capacity:	2,000,000	☐ tons or ☒ yds^3
Estimated lifetime:	2	years
Estimated days open per year:	281	days
Estimated yearly disposal volume:	1,000,000	☐ tons or ☒ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	11,500	megawatts
Waste-to-energy incinerators	N/A	megawatts

FACILITY DESCRIPTIONS

Facility Type: **Type II Solid Waste Landfill**

Facility Name: **Northern Oaks Recycling and Disposal Facility**

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

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

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

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

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

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

WWTP filter cake, sludge

Site Size:

Total area of facility property:	160	acres
Total area sited for use	76	acres
Total area permitted:	76	acres
Operating:	19	acres
Not excavated:	57	acres
Current capacity:	8,755,100	☐ tons or X yds^3
Estimated lifetime:	43	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	409,000	☐ tons or X yds^3

(if applicable)
Annual energy production:

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

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION:

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

Six private haulers will handle routes throughout Montcalm County and it's municipalities, with the exception of Greenville, which has a municipal program and an agreement with Waste Management.

These private haulers deliver the trash directly to Allied Landfill, Pitsch Landfill, Autumn Hills Landfill, Ottawa County Farms Landfill or other designated , authorized landfills.

Greenville's residential waste is hauled directly to the Greenville Waste Management transfer station, which in turn distributes the waste to the landfills, primarily to Autumn Hills.

All areas within the County have access to the solid waste system and the haulers collecting the solid waste.

RESOURCE CONSERVATION EFFORTS:

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

Effort Description	**Est. Diversion Tons/Yr**		
	Current	**5th yr**	**10th yr**
Commercial diversion (no reliable estimates available)	5	6	7
Community recycling - curbside (Greenville)	1,266	1,330	1,396
Community recycling - drop off (no reliable estimates available)	5	6	7
Community composting (Greenville and Edmore)	440	520	640
Industrial diversion	264	300	325

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

WASTE REDUCTION, RECYCLING, & COMPOSTING PROGRAMS:

Volume Reduction Techniques

The following describes the techniques utilized and proposed to be used throughout the County which reduces the volume of solid waste requiring disposal. The annual amount of landfill air space not used as a result of each of these techniques is estimated. Since volume reduction is practiced voluntarily and because technologies change and equipment may need replacing, it is not this Plan update's intention to limit the techniques to only what is listed. Persons within the County are encouraged to utilize the technique that provides the most efficient and practical volume reduction for their needs. Documentation explaining achievements of implemented programs or expected results of proposed programs is attached.

Technique Description	Est. Air Space Conserved Yds^3/Yr		
	Current	5th yr	10^{th} yr

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

Overview of Resource Recovery Programs:

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

Montcalm has limited curbside collection of recyclables. The majority of material collected is from the City of Greenville and the City of Stanton, followed by several isolated recycling routes. All other recycling is through voluntary drop off collections that move among townships and other designated sites. Home Township operates a drop off program for cardboard and newspaper once a month. Day Township has a bin at the Township hall that will receive newspaper, glass and tin. Ferris Township has a recycling bin located at the cemetery with a monthly pickup.

Recycling information and availability has substantial room for improvement and hopefully participation.

County-wide curbside recycling and/or composting is not a rational objective due to a sparse population base in any one area of the County. The cost would be prohibitive to many residents, many of whom do not have regular trash collection yet due to cost and the desire to dispose of their own waste on their property.

There are recycling bins available for drop off at the Central Landfill site, although they are not well used and much of the material deposited is mixed with trash. Individuals can contract for recycling and some do, but very few outside of established routes within the City of Stanton and Greenville.

Batteries, used motor oil and tires can be returned to the place of sale, generally for a small fee. There are no established programs for collecting these items.

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

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

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

X 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:

The City of Greenville currently operates a yard waste collection site that is not open to the public.

Other organized composting is very unlikely to take place at a central location due to large plots of land where homeowners can dispose of yard waste properly without using a congregate site. The City will pick up yard waste and brush at curbside on demand.

Some limited composting is carried on at Central Landfill for their own use. Residents are allowed to drop off yard waste at the landfill as well.

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

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

Michigan State University Extension and the Michigan Department of Agriculture operates two programs to separate hazardous materials from the waste stream.

Clean Sweep, a program operated by the Michigan Department of Agriculture, collects agricultural chemicals once each year. Agricultural dealers will also take back empty, clean containers from chemicals.

Household hazardous waste collections target chemicals found in the home. Generally, two programs are held each year, although this is funded by a grant and is not necessarily an ongoing program locally. There is a permanent household hazardous waste collection site in Ionia County, available to Montcalm residents.

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-31, 32, & 33 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-34, 35, & 36 list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

TABLE III-1

RECYCLING:

Program Name	Service Area[1]	Public or Private	Collection Point[3]	Collection Frequency[4]	Materials Collected[5]	Program Management Responsibilities[2] Development	Operation	Evaluation
Residential drop off	Stanton	Public	d	M	A,B,E,F	3	3	3
Residential drop off	Home Township	Public	d	M	A,B,E,F	3	3	3
Residential drop off	Day Township	Public	d	M	A,B,E,F	3	3	3
Residential drop off	Ferris Township	Public	d	M	A,B,E,F	3	3	3
Residential drop off	Richland Township	Public	d	M	A,B,E,F	3	3	3
Residential curbside	Greenville	Private	c	W	A,B,E,F	3	3	3
Transfer Station	Greenville	Public	c	W	A,B,C,E,F	3	3	3
Commercial	Greenville	Private	d	W	C	5	5	5
Industrial	Montcalm County	Private	d	W	C	5	5	5

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

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

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

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

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

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

TABLE III-2

COMPOSTING:

Program Name	Service Area[6]	Public or Private	Collection Point[8]	Collection Frequency[9]	Materials Collected[10]	Program Management Responsibilities[7] Development	Operation	Evaluation
None								
Yard waste and brush pile	Greenville	public	c	d	GL	3	3	3
Yard waste and brush pile	Edmore	public	d	d	GL	3	3	3

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

[6] 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.

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

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

[9] 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.

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

TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

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

Program Name	Service Area[11]	Public or Private	Collection Point[13]	Collection Frequency[14]	Materials Collected[15]	Program Management Responsibilities[12] Development	Operation	Evaluation
Clean Sweep	Montcalm County	2	d	Su	PS	6	6	6
Household Hazardous Waste	Montcalm County	2	d	Su	AR, P, AN, C,B1, H, B2, O, PH, OT	6	6	6

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

[11] 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.

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

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

[14] 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.

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

TABLE III-4

PROPOSED RECYCLING:

Program Name (if known)	Service Area[16]	Public or Private	Collection Point[18]	Collection Frequency[19]	Materials Collected[20]	Program Management Responsibilities[17] Development	Operation	Evaluation
Heavy steel pickup	Montcalm County	Private	d	w	metals	private company, as determined by provider		
Greenville Steel	Montcalm County	Private	d	w	metals	private company, as determined by provider		
Waste Management Transfer	Montcalm County	Private	d	w	metals	private company, as determined by provider		

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

[16] 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.

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

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

[19] 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.

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

TABLE III-5

PROPOSED COMPOSTING:

Program Name, (if known)	Service Area[21]	Public or Private	Collection Point[23]	Collection Frequency[24]	Materials Collected[25]	Program Management Responsibilities[22] Development	Operation	Evaluation
		—	—	—	—	—	—	—
None		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—

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

[21] 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.

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

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

[24] 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.

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

TABLE III-6

PROPOSED SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

Program Name, (if known)	Service Area[26]	Public or Private	Collection Point[28]	Collection Frequency[29]	Materials Collected[30]	Program Management Responsibilities[27] Development	Operation	Evaluation
MSU Extension HHW Collection	Montcalm County	Public	varies	2/yr.	all those in 5		County Health Department	

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

[26] 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.

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

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

[29] 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.

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

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

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

Commercial Groups:

Waste Management Inc. - Internal waste reduction, privately operated
Allied Waste - Internal waste reduction, privately operated
Recycle America - Internal waste reduction, privately operated
Fridgidaire - Internal waste reduction, privately operated
Hitachi - Internal waste reduction, privately operated
Drake Products - Internal waste reduction, privately operated
Tower Automotive - Internal waste reduction, privately operated
Treasure Chest - Internal waste reduction, privately operated
Wright Plastics - Internal waste reduction, privately operated
Kent Foundry - Internal waste reduction, privately operated
Meijer, Inc. - Internal waste reduction, privately operated
Federal Mogul - Internal waste reduction, privately operated
USA Waste, City Environmental - Internal waste reduction, privately operated

Municipal and Institutional Groups:

Michigan Department of Corrections - Internal waste reduction, privately operated
City of Greenville, Department of Public Works - Composting program
Montcalm County, Designated Planning Agency, Recycling Committee
Home Township - Recycling program
Day Township - Recycling program
Howard City Village - Recycling program
Ferris Township - Recycling program
Richland Township - Recycling program
Edmore Village - Recycling program

PROJECTED DIVERSION RATES:

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

Collected Material:	Projected Annual Tons Diverted:			Collected Material:	Projected Annual Tons Diverted:		
	Current	5th Yr	10th Yr		Current	5th Yr	10th Yr
A. TOTAL PLASTICS:	___	___	___	G. GRASS AND LEAVES:	___	___	___
B. NEWSPAPER:	751.4	789 (assumes 5% increase)	828	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:	514.8	541	568	L. TOTAL METALS:	___	___	___

All other materials includes: paper, glass, metals.

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

All recyclable materials are sold to the secondary market. Market availability varies but would probably be in the Grand Rapids area for materials collected in Montcalm. DEQ produces a Recycled Materials Market Directory that may be used as a source of markets.

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

Collected Material:	In-State Markets	Out-of-State Markets	Collected Material	In-State Markets	Out-of-State Markets
A. TOTAL PLASTICS:	___	___	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.___	___	___

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

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

Program Topic[1]	Delivery Medium[2]	Targeted Audience[3]	Program Provider[4]
1, 2, 3, 4, 5	w,e	s, K-5	ISD (proposed)
2, 4, 5	e	p,b,i	OO (proposed)
1,2,3	n,f	p	EG (proposed)

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

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

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

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

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

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

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

TABLE III-7

Management Components	Timeline
Recycling, composting, resource conservation incorporated into the elementary school curriculum through volunteers.	2001-2003
Resource conservation, volume reduction, composting conducted at farm and lawn and garden equipment dealers.	1999
Recycling, composting, household hazardous waste education to the general public on available programs, benefits of responsible behavior.	1999

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

SITTING 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.

SITTING CRITERIA AND PROCESS

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

SOLID WASTE MANAGEMENT COMPONENTS[31]

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.

The Board of Commissioner's role is to enforce the Part 115 County Solid Waste Plan and promote education for residents regarding recycling, composting and household hazardous waste programs and pickup times.

Existing and new programs in municipalities for waste collection, recycling and yard waste collection will continue to be the responsibility of the municipality.

Household hazardous waste and related programs aimed at diverting specific materials from the waste stream will continue to be carried out by Michigan State University Extension, various private entities and the Michigan Department of Agriculture.

The Board of Commissioners at a later date, once funding levels for solid waste activities have been finalized will delegate Educational programming responsibilities.

Private businesses will continue to carry out the majority of source reduction, product reuse, increased material lifetime and decreased consumption, although there is no assigned responsibility for this responsible behavior.

In order to finance the implementation of a Part 115 County Solid Waste Management Plan, Montcalm County imposes a user fee upon all solid waste disposed at facilities located within the County. By contract, resolution, and/or ordinance, the Montcalm County Board of Commissioners will set the amount and method for determining the user fee, among the following three alternatives:

(1) Percentage of the facility's monetary gate receipts;

(2) Fixed amount per weight deposited; or

(3) Fixed amount per volume deposited.

Each facility owner or operator must remit the user fees to the Montcalm County Board of Commissioners on a monthly basis. Also, on a form selected by the Montcalm County Board of Commissioners, the facility owner or operator shall also provide monthly reports to the County identifying the gross amount of the paid receipts an/or solid waste collected during the preceding month. The County must receive all monthly reports and collected user fees no later than the 10th day of the succeeding month.

In order to encourage the development of resource recovery facilities, user fees shall not be imposed on material that is recycled at resource recovery facilities.

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

IDENTIFICATION OF RESPONSIBLE PARTIES

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

Resource Conservation:

Source or Waste Reduction -
Industrial operations in the County. Specifically, Treasure Chest, Fridgidaire, Federal Mogul, Kent Foundry, Greenville Wire, Kalfact Plastics, Drake Products

Product Reuse -
Industrial operations in the County. Specifically, Treasure Chest, Fridgidaire, Federal Mogul, Kent Foundry, Greenville Wire, Kalfact Plastics, Drake Products

Reduced Material Volume -
Industrial operations in the County. Specifically, Treasure Chest, Fridgidaire, Federal Mogul, Kent Foundry, Greenville Wire, Kalfact Plastics, Drake Products

Increased Product Lifetime -
Fridgidaire Corporation, Hitachi Corporation,

Decreased Consumption -
Fridgidaire

Resource Recovery Programs:

Recycling -
City of Greenville
City of Stanton
Waste Management of Central Michigan
Allied Waste Systems
Day Township
Home Township
Ferris Township
Sheridan Village
Howard City

Energy Production -
None that we know of.

Volume Reduction Techniques:

Private entity: Heavy collection of steel items and appliances
Fridgidaire

Collection Processes:
City of Greenville
City of Stanton
Waste Management of Central Michigan
Allied Waste Industries
Dent Refuse
City Environmental
Pitsch Disposal
Denny's Disposal
Back 40 Disposal

Transportation:
Waste Management of Central Michigan
Allied Waste Industries
Dent Refuse
City Environmental
Pitsch Disposal
Denny's Disposal

Disposal Areas:
Processing Plants -
Kent County Recycling
Recycle America

Incineration -
None

Transfer Stations -
Waste Management of Greenville

Sanitary Landfills -
Allied Landfill, Montcalm County
Central Sanitary Landfill
Hastings Sanitary Landfill
Pitsch Landfill
Venice Park Landfill
Ottawa County Farms Landfill
Autumn Hills Landfill
South Kent Landfill
Muskegon County Solid Waste Facility
Taymouth Landfill
Saginaw Valley Landfill
People's Landfill
Granger Wood Street Landfill
Granger Grand River Avenue Landfill
Northern Oaks Recycling and Disposal

Ultimate Disposal Area Uses:
All commercial, industrial and residential generators in Montcalm County.

Local Responsibility for Plan Update Monitoring & Enforcement:
Montcalm County Solid Waste Planning Committee and the Office of the County Controller

Educational and Informational Programs:

-School program conducted by volunteer on composting, recycling, household hazardous waste and resource conservation.
-Composting yard waste program conducted at hardware stores and other yard waste and mowing equipment dealers.
-General distribution of information to all households on the benefits and opportunities for composting, recycling and alternatives forms of disposal such as household hazardous waste.

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:

☐ 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

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

A. Geographic area/Unit of government: Pierson Township

Type of disposal area affected: Solid waste disposal and processing facilities for the receiving and processing of solid waste.

Ordinance or other legal basis: Zoning

Requirement/restriction: Pierson Township Zoning Ordinance.
Section 15.45 SOLID WASTE DISPOSAL. Solid Waste disposal and processing facilities for the receiving and processing of solid waste.

(d) The applicant shall submit a narrative description and explanation of the proposed solid waste disposal and processing operations and activities, including the date of commencement, proposed hours and days of operation, estimate of the quantity of waste to be handled and disposed of, description of the handling and processing methods, including proposed equipment and the noise rating of each type thereof, and a summary of the procedures and practices which will be used to ensure compliance with the conditions of this section.

(h) The area in which the waste disposal and/or processing will be located must be completely surrounded by a sturdy permanent fence at least six feet in height, with a 12-inch barbed wire barrier on the top. The fence must be equipped with gates that must be locked when access routes are not in use.

(k) There shall be plantings of grass, shrubs, trees and other vegetation at locations within the solid waste disposal site, so as to screen the disposal and processing area and so as to assist in preventing the blowing of waste material off the site, prior to the burying of such material.

X 3. This plan is not intended to authorize local ordinances or regulations that exceed the scope of Part 115 or are not otherwise authorized by state law or regulations promulgated thereunder, including Part 115 and it's regulations. Notwithstanding the above, to the extent that authorization is required through this Plan and only to such extent, this Plan authorizes the adoption and implementation of regulations governing the following subjects by Montcalm County and its local units of government without further authorization from or amendment to the Plan:

a. ancillary solid waste disposal, transfer or resource recovery facility ("facility") construction details such as landscaping and screening;

b. Facility hours of operation;

c. Facility noise, litter, odor and dust control;

d. Facility operating records and reports;

e. Facility security;

f. Facility user fee imposition and remittance;

g. Solid waste disposal or incineration except at licensed facilities;

h. Solid waste transportation;

i. Recycling and resource recovery.

☐ Additional listings are on attached pages.

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.

Demonstration of ten year's of disposal capacity is arrived at through computing the total available capacity at all landfills intended for future disposal and comparing that figure to the total waste produced by Montclam in one year times 10.

The total landfill waste available in all identified landfills to be used for future disposal is 169,379,604 tons. Ten year's of Montcalm's waste is 517,760 tons. The available space for waste far exceeds the space needed to accommodate Montcalm's waste.

APPENDIX

ADDITIONAL INFORMATION

REGARDING THE

SELECTED

SYSTEM

EVALUATION OF RECYCLING

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

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

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

paper	10,897 tons per year
glass	2,452 tons per year
metal	2,452 tons per year
plastics	545 tons per year
rubber and leather	545 tons per year
textiles	545 tons per year
wood	817 tons per year
food waste	4,631 tons per year
yard waste	3,541 tons per year
misc. organics	817 tons per year

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

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

Technique Description	Est. Air Space Conserved Yds^3/Yr		
	Current	5th yr	10th yr
Commercial diversion (no reliable estimates available)	NA	NA	NA
Community recycling - curbside (Stanton and Greenville)	15,192	15,960	16,752
Community recycling - drop off (no reliable estimates available)	NA	NA	NA
Community composting	1,016	1,216	1,516
Industrial diversion	NA	NA	NA
We are unable to estimate the cubic yards diverted, as other resource conservation diversion figures are reported in tons and include a wide variety of materials, particularly in industrial diversion.			

Equipment Selection - Not Applicable

Site Availability & Selection - Not Applicable

Composting Operating Parameters:

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

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

Existing Programs:

Program Name:	pH Range	Heat Range Measurement Unit	Other Parameter
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

Proposed Programs:

Program Name	pH Range	Heat Range Measurement Unit	Other Parameter
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

COORDINATION EFFORTS:

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

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

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

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

Educational programs will be coordinated county-wide through a proposed school program, composting education program at yard equipment dealers and intermittent mailings included with county-wide mailings such as tax bills. These mailings will include general information on disposal, recycling and composting opportunities in the County.

COSTS & FUNDING:

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

System Component[1]	Estimated Costs	Potential Funding Sources
Resource Conservation Efforts	Not available	County landfill user fees
Resource Recovery Programs	Not available	County landfill user fees
Volume Reduction Techniques	Not available	County landfill user fees
Collection Processes	Not available	County landfill user fees
Transportation	Not available	County landfill user fees
Disposal Areas	Not available	Central Sanitary Landfill
Future Disposal Area Uses	Not available	Central Sanitary Landfill
Management Arrangements	Not available	County landfill user fees
Educational & Informational Programs	Not available	County landfill user fees

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

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

The solid waste management system has been evaluated for anticipated positive and negative impacts on the public health, economics, environmental conditions, sitting 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:

Montcalm County has a population of 53,056 and is considered predominately rural in nature. Its largest municipality is the City of Greenville, which has a population of 8,101. The population of the County as a whole is expected to grow 13% in the next ten years. There is some level of seasonal population in the County, but all growth in population is expected in the residential sector. While industry may also experience growth, the anticipated waste stream from industry is expected to remain the same. The selected solid waste management system is therefore somewhat simple.

The County has a landfill in Pierson Township, Central Landfill, that is currently seeking approval for 120 acres of licensed disposal space. This additional 80 acres of space, in combination with agreements with many surrounding counties for use of their landfills, will give the County more than enough landfill space for the next 10 to 20 years. In addition, the City of Greenville hosts a Waste Management Incorporated owned landfill in place that collects and transports trash to predominately three landfills, Central Landfill, Autumn Hills Landfill in Ottawa County and Pitsch Landfill in Ionia County. There are still many residents within the County that burn their trash and do not use conventional disposal means.

The selected system is to utilize the landfill within the County as well as the other landfills currently being used via the transfer station in Greenville. Seven independent haulers are available for curbside service to the county as a whole, although only about 25% of the population has curbside trash hauling service. Most communities have weekly trash pickup.

There are existing recycling efforts offered within the County, however, most of this service is offered to the residents in the more densely populated municipalities, such as Greenville and Stanton. It is not economical for the haulers to arrange recycling for most of the rural residents. Rural recycling by truck would require long routes with long distances between stops for a small quantity of material. The quantities picked up do not justify the expense. Previous experience with rural recycling has shown that many residents do not participate or do not produce enough to fill a bin, even every other week. Drop off containers are often contaminated with trash or not used at all. Continuing to offer recycling collection in densely populated areas and offering staffed drop off collection in sparser areas is likely to be the best method in Montcalm. Recycling education is planned as part of the selected system in the schools and through community literature.

Currently, some of the County's industries are having success with their waste diversion and recycling programs. Fridgidaire has substantially reduced its waste per unit produced, as has Drake Industries. These efforts are expected to continue and the industrial diversion coalitions will share their knowledge and experience with other industries.

Composting, which operates as waste piles, is at a minimum in Montcalm. Currently, there are only three such facilities. One is offered by the City of Greenville, another in Edmore in Home Township and the other at Central Landfill. The Greenville facility uses this site for yard waste and brush pick up within the City, but does not continually turn the site in an effort to produce usable compost. This is also similar to the activity at Central Landfill and in Edmore. Again, with most of Montcalm having large open space and sparse population, composting sites are not a major concern. However, as part of the selected system, yard waste reduction techniques will be offered as an educational program.

The selected system is representative of the needs of a rural county and low waste generation rate. The County does not require a large variety of options for waste disposal or recycling to meet its needs and still keep these services affordable. The Solid Waste Planning committee feels through increased educational efforts, lobbying and new services at each Township's discretion, the solid waste system will continue to work at a reasonable level with capacity and interest to fuel future improvements.

BASIS FOR CHOOSING THE SELECTED SYSTEM:

The solid waste management system alternatives and the selected system was evaluated based on technical feasibility, economic feasibility, access to land and transportation routes, energy consumption and production, environmental impacts, and public acceptance.

The selected system was chosen because it was the most efficient, tested system for a community of a very rural nature. The selected system is largely the system that is now is place. Technically and economically there is very little discussion required to

determine that curbside and landfill disposal is the reasonable way to approach solid waste in Montcalm County. Cocollection of waste and recyclables is the most efficient means to collect recyclables, but curb side recycling is not necessary or cost effective in most areas of the County.

The current solid waste system has been evolving over time to create the most efficient mode of transportation to collect and dispose of waste. Public acceptance of waste collection, as opposed to burning on one's own property, is at an all time high in the County.

For these reasons, the selected system in Montcalm County is the current solid waste management system with several adjustments to increase opportunities for recycling and household hazardous waste collection in the most rural areas.

MICHIGAN'S SOLID WASTE POLICY GOALS:

The selected system furthers Michigan solid waste policy goals by using to the maximum extent possible, given the situation in Montcalm County, the resources available in Michigan's solid waste stream through the source separation. Source reduction is being pursued aggressively in the private sector as are other more innovative means of resource recovery.

Montcalm County has identified the specific goals of increasing household hazardous waste disposal options for unusual or large items, furthering the state goal of preventing adverse effects on the public health and environment resulting from improper waste collection or disposal.

ADVANTAGES AND DISADVANTAGES OF THE SELECTED SYSTEM:

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

ADVANTAGES:

1. This system is easy to use. It is a mix of mostly the well-operating status quo activities with several refinements.

2. There is well over adequate landfill capacity.

3. There is public acceptance.

4. Can reasonably expect adherence to selected system.

5. No significant changes.

6. Economically feasible.

7. No siting considerations.

DISADVANTAGES:

1. Still some trash burning by residents.

2. Low percentage of recycling.

3. Low percentage of composting.

NON-SELECTED

SYSTEMS

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

SYSTEM COMPONENTS:

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

The **first is the solid waste management system as it currently exists** and operates. Montcalm County has a solid waste hauling system that has evolved over the years to serve the unique combination of rural, urban and seasonal households and businesses in this diverse County. Household recycling efforts have been both organized in urban areas and sporadic, but effective in rural areas. Commercial and industrial recycling has improved and increased significantly over the last five years, leading the county in diverted waste and innovative methods. Burning remains an issue, but does not occur to the extent that it negates the value of the current system.

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

RESOURCE CONSERVATION EFFORTS:

No alternative systems were identified.

VOLUME REDUCTION TECHNIQUES:

No alternative systems were identified.

RESOURCE RECOVERY PROGRAMS:

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

COLLECTION PROCESSES:

The rural nature of Montcalm does not lend itself to a single source hauler: This was discussed but quickly dismissed. The smaller independent operators can haul from surrounding counties and enter into populated areas of Montcalm County. The City of Greenville does contract with Waste Management exclusively and bids this contract out.

TRANSPORTATION:

No change from the selected system unless every house is required to have household curbside pick up.

DISPOSAL AREAS:

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

INSTITUTIONAL ARRANGEMENTS:

None that we know of.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

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

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

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

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected systems were evaluated to determine its potential of impacting human health, economics, environmental, transportation, sitting 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.

We identified **three main solid waste management alternatives**. The two discussed here are the nonselected systems.

The **first is the solid waste management system as it currently exists** and operates. Montcalm County has a solid waste hauling system that has evolved over the years to serve the unique combination of rural, urban and seasonal households and businesses in this diverse County. Household recycling efforts have been both organized in urban areas and sporadic, but effective in rural areas. Commercial and industrial recycling has improved and increased significantly over the last five years, leading the county in diverted waste and innovative methods. Burning remains an issue, but does not occur to the extent that it negates the value of the current system.

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

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

ADVANTAGES AND DISADVANTAGES OF THE NON-SELECTED SYSTEM:

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

First Alternative: Solid Waste Management System as it exists:

ADVANTAGES:

1. Single source hauling is easy to work with.

2. Curbside recycling to every resident would produce greater participation.

3. Increase recycling participation.

DISADVANTAGES:

1. Curbside recycling to all residents too expensive.

2. Single source hauling is not economical.

1. Decrease in waste generation and disposal is minimal from this system.

Second Alternative: Curbside Disposal and Recycling for Whole County

ADVANTAGES:

1. Increases participation in recycling.

2. Decrease open burning of household waste.

DISADVANTAGES:

1. Inefficient use of hauling resources.

2. Expensive.

3. Increase in recycling participation not worth cost.

4. Strong community resistance.

5. No mechanism to enforce.

PUBLIC PARTICIPATION

AND APPROVAL

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

PUBLIC INVOLVEMENT PROCESS: A description of the process used, including dates of public meetings, copies of public notices, documentation of approval from solid waste planning committee, County Board of Commissioners, and municipalities.

Meetings of the Montcalm County Solid Waste Planning Committee were held on:

October 27, 1997	June 16, 1998
December 9, 1997	July 28, 1998
February 4, 1998	October 27, 1998
March 24, 1998	November 24, 1998
January 15, 1999	June 22, 1999
August 10, 1999	September 27, 1999

Minutes of the meetings follow with notices of the meetings. Notices of the meetings are the agendas.

The solid waste planning committee members representing the general public were chosen using the following process. This was done at several meetings throughout 1996. These meetings were held on January 14th, 28th, February 11th, 25, March 11th, 25th, April 8th, 22nd, May 13th, June 10th and 24th. Meetings were held throughout 1997 and 1998 during which the plan was drafted. The Solid Waste Planning Committee approved the first draft plan at a meeting held on November 24, 1998. A copy of the public notice of each Solid Waste Planning Committee meeting is included. The Montcalm County Board of Commissioners approved the Solid Waste Plan on September 27, 1999. The date each municipality approved the Plan is listed below:

Montcalm County Board of Commissioners

P.O. Box
Stanton, MI 4
(51
Fax: (517)83

October 8, 1997

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
AGENDA

Wednesday, October 29, 1997, 7:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of July 23, 1997 minutes

(4) New business:

a. Robert Eggers, Planner, Spicer Engineering
re: Solid Waste Plan Update

b. City Management Corporation request

c. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

60.

11-10-97
BOARD ACTION
TO BE PLACED ON FILE

SOLID WASTE MANAGEMENT PLANNING COMMITTEE MINUTES

Wednesday, October 29, 1997, 7:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Gary LaPorte
Violet Rohrer
Franz Mogdis
Dean King
Charles Harris
Gary Douthett
August Bradley
Bill Haagsma

Members Absent: Dennis Kellogg
Don Suchocki
Kathy Gould

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Joann Gould

The meeting was called to order by Chairman Paepke at 7:03 p.m.

Motion by Bill Haagsma, seconded by Sally Thomsen to approve the agenda as amended. Motion carried.

Ed Sell took roll and announced a quorum present.

Motion by Don Meister, seconded by Franz Mogdis to approve the July 23, 1997 minutes as printed. Motion carried.

Carl Paepke turned the meeting over to Rob Eggers of Spicer Engineering.

Persons present introduced themselves.

Rob Eggers began a discussion of the overall process of updating the solid waste plan.

Cindy Windland explained the format provided by the DEQ for completing the plan update.

Roger Waldron entered at 7:14 p.m.

The first step in the process will be information gathering from the various sources of the committee.

Rob Eggers suggested having the next meeting in approximately six weeks.

The next meeting was scheduled for Tuesday, December 9, 1997 at 7:00 p.m.

The committee moved on to a request from City Management Corporation.

City Management Corporation requested explicit authority for the exportation of Solid Waste from Montcalm County to Barry County.

Dean King will contact City Management and report back with better information at the next meeting.

Gary Douthett, United Waste, presented Carl Paepke a check for user fees. Carl Paepke announced that the check was for $ 122,820.51.

Violet Rohrer reported that Pierson Township receives $.28 per ton.

The committee began discussion of a letter from the Panhandle Coalition regarding Don Badge and his "transfer station" for old cars, junk from machinery, and other scrap metal.

His operation was forced to move as a result of the Renaissance Zone. He is looking for a place to relocate.

The landfill felt it was too much of a liability to move the operation to the landfill site.

Franz Mogdis explained why Mr. Badge had to move his operations. It was as a result of Mr. Stevenson's sale of property on that site.

The committee moved on to old business.

The meeting adjourned at 7:54 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517)831-7375

December 3, 1997

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, December 9, 1997, 7:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of October 29, 1997 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
re: Solid Waste Management Plan Update

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
M I N U T E S

Tuesday, December 9, 1997, 7:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Dean King
Dennis Kellogg
Don Meister
Gary LaPorte
Gary Douthett
Bill Haagsma
Kathy Gould

Members Absent: Warren Wells
Don Suchocki
Violet Rohrer
Sally Thomsen
Charles Harris

Staff Present: Ed Sell

Others Present: Roger Waldron
Rob Eggers
Cindy Windland
Donna Paepke
Phillip Beal

The meeting was called to order by Chairman Paepke at 7:02 p.m.

Ed Sell took roll and announced a quorum present.

Motion by Don Meister, seconded by Dennis Kellogg to approve the October 29, 1997 minutes as corrected. Motion carried.

Parties present introduced themselves.

Bill Haagsma and Joan Gould entered at 7:07 p.m.

Rob Eggers asked the committee members to explain any progress made on requests.

Bill Haagsma explained information he collected on facility designations.

Gary LaPorte explained his process on recycling.

Don Meister explained that he didn't have any information on recycling.

Dean King explained his progress on the request of him.

Recycling programs in the county were discussed.

Materials collected in the recycling programs were discussed.

Ed Sell explained his work on collecting export and import authorizations.

The county will have to communicate with other counties in the prior plan on export and import authorizations.

Local ordinances affecting the Solid Waste Disposal were discussed.

The committee moved on to a discussion of composting programs within the county.

Both Greenville and Edmore have programs.

Central Sanitary Landfill has a composting program. Citizens have to bring the material to the site.

Carson City and Crystal Township do some type of composting.

There are no programs for tire recycling in Montcalm County.

Recycling of motor oils was discussed. There are some private companies that do it.

A salvage company in Edmore accepts batteries for recycling.

Scrap Metal Recycling programs were discussed.

Household Hazardous Waste disposal programs were discussed.

Gary LaPorte announced there are still funds available through grants to put on a program.

The committee attempted to identify all solid waste haulers in the county.

1. Waste Management
2. City Management – 11 trucks
3. Allied Waste – 20 trucks
4. Sidney Sanitation – 1 or 2 trucks
5. Back Forty
6. Dent – 3 trucks
7. Denny's Disposal
8. Pitch's Sanitary Landfill

The plan will need to include the total amount of waste generated in the county.

Burning of trash was discussed.

The committee discussed landfills taking Montcalm County Waste.

1. Allied Waste – Pierson
2. Pitch – Ionia County
3. Autumn Hills – Ottawa County
4. Allied Waste – Coopersville

Composting of livestock manure will be looked into. Ionia County's landfill may have a program.

Civic groups collecting newspapers in the county were discussed. Don Byrns at Recycle America will be contacted.

Recycling at the Carson City Correctional Facility was discussed.

The committee began developing goals for the Solid Waste Plan.

The first and second goals DEQ asked us to include were discussed.

Education was brought up as a possible third goal.

The process of the recycling committee was discussed.

The possibility of including private sector involvement in the Solid Waste System as a goal was discussed.

The committee will discuss objectives to achieve the goals at the next meeting.

The next meeting was scheduled for Wednesday, February 4, 1998 at 5:30 p.m.

City Management would like to request a maximum of 50-ton reciprocal agreement with Barry County Dean King reported.

Ed Sell announced committee positions coming due.

The meeting was adjourned at 8:24 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517)831-7375

January 28, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Wednesday, February 4, 1998, 5:30 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of December 9, 1997 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
re: Solid Waste Management Plan Update

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Wednesday, February 4, 1998, 5:30 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Gary LaPorte
Charles Harris
Gary Douthett
Bill Haagsma
Mark Creswell
Warren Wells

Members Absent: Dean King
Kathy Gould
Violet Rohrer

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Joann Gould

The meeting was called to order by Chairman Paepke at 5:36 p.m.

Motion by Don Meister, seconded by Sally Thomsen to approve the December 9, 1997 minutes as printed. Motion carried.

Carl turned the meeting over to Rob Eggers and Cindy Winland of Spicer Engineering.

Rob Eggers handed out a copy of the plan format for preparing the county solid waste management plans.

Rob reviewed the plan format with the committee.

The committee reviewed the goals and objectives developed at the last meeting.

The database in the plan was discussed. The database includes waste volumes in the county.

Total annual estimated volume for the county is currently 51,358 tons.

Charles Harris noted that industrial sludge estimates need to be increased approximately 100,000 gallons.

Bill Haagsma estimated the tonnage to be more around 40,000 tons.

Rob explained their process in determining the original estimate.

Don Meister estimated that 30 – 40% of rural households burn their trash.

Bill Haagsma estimated the conversion rate from yards to a ton of compacted waste at 4.23.

Discussion of tonnage's of waste in Montcalm County was discussed.

Ed Sell will get an annual report of building permits for the last five years.

Rob asked the committee members to review the plan format before the next meeting.

Cindy reviewed problems/deficiencies currently with the system.

Burning was listed as a problem.

Other problems listed were as follows:

1. Air quality as a result of burning.
2. Haulers accessing private roads.
3. Dropoffs or curbside recycling.
4. Household Hazardous Waste Disposal
5. Public Education of procedures for disposing hazardous waste.

The committee discussed where to send waste for the next 10 years, including other counties, as well as reciprocal agreements.

Montcalm waste currently goes to Ionia (Pitch), Ottawa (OCF & Autumn Hills), and Kent County (South Kent).

Importing of waste into the county was discussed. The following counties send waste to Montcalm:

1. Isabella
2. Gratiot
3. Newaygo
4. Kent
5. Ionia
6. Muskegon

Rob asked the committee to review the plan format for the next meeting.

Written out problems/deficiencies and reciprocal agreements will be discussed at the next meeting.

Lake roads and bad roads were listed as a problems. Road addresses were listed as a problem.

The committee scheduled the next meeting for Tuesday, March 24, 1998 at 5:30 p.m.

The committee members introduced themselves.

The meeting was adjourned at 7:02 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517) 831-7375

March 18, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, March 24, 1998, 5:30 p.m.
Jack Van Ham Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of February 4, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
re: Solid Waste Management Plan Update
Review New Numbers

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
M I N U T E S

Tuesday, March 24, 1998, 5:30 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Mark Creswell
Bill Haagsma
Tom Ledger

Members Absent: Gary LaPorte
Charles Harris
Gary Douthett
David Weisen
Warren Wells
Dean King
Kathy Gould
Violet Rohrer

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Joann Gould

No meeting was held due to a lack of quorum.

Respectfully submitted,

_____
Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517) 831-7375

May 6, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, May 12, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of February 4, 1998 minutes and March 24, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
re: Solid Waste Management Plan Update

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Tuesday, May 12, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Gary LaPorte
David Wiesen
Charles Harris
Warren Wells
Violet Rohrer
Bill Haagsma
Tom Ledger

Members Absent: Mark Creswell
Gary Douthett
Dean King
Kathy Gould

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Joann Gould
Jim McCormick
Sue Zehr

The meeting was called to order by Chairman Paepke at 4:06 p.m.

Ed Sell took roll and announced a quorum present.

The committee reviewed the agenda.

Motion by Haagsma, second by Thomsen to approve the agenda as written. Motion Carried.

The committee reviewed the March 24, 1998 minutes.

Motion by Thomsen, second by Haagsma to approve the March 24, 1998 minutes as printed. Motion Carried.

Carl turned the meeting over to Robert Eggers and Cindy Windland of Spicer Group.

The final numbers and recycling numbers are to be reviewed. Import and export amounts are to be reviewed.

The current, five, and ten year annual volumes of waste were discussed.

Charles Harris questioned the numbers for sludge.

The ultimate disposal or reuse of the sludge was discussed.

The future plans for Montcalm County's Solid Waste system were discussed at length.

Cindy asked the committee to come up with an all inclusive list of recycling activities.

The following programs were listed:

1. City of Stanton
2. Eureka Township through Waste Management
3. Waste Management picks up in Stanton, Sheridan, and West Greenville
4. Recycling bins at the landfill
5. Greenville has curbside recycling
6. Appliance recycling

Charles Harris explained his work in appliance recycling.

The committee discussed whether a steel pickup program is needed in Montcalm County.

Cindy questioned what the county would like to do in the future as far as recycling.

The disposal of waste oil was questioned.

Options for small versus large producers of waste were discussed.

More drop off sites and additional education for recycling were listed as priorities. Year round recycling at the landfill was listed as a priority.

Incentives for people to recycle were discussed.

The committee discussed whether recycling should be available regionally or locally.

The committee moved on to discussing composting.

The City of Greenville's yard waste pile will no longer exist.

Greenville will be moving to an on-call curbside composting program. The city will then dump the compost into its own pile.

Central Sanitary Landfill takes compost.

Stanton takes compost.

Education on composting was listed as a priority.

Increasing the use of recycled products was listed as a priority.

Source separation was discussed.

The household hazardous waste program operated by MSU Extension was discussed.

Spreading bio-solids on farmers fields was discussed.

The City of Wyoming's hauling of sludge into the county was discussed. The plan cannot cover that activity.

Rob explained why the hauling of sludge does not enter into the solid waste plan activities.

The committee discussed having a representative from the DEQ into a future meeting.

The committee moved on to reviewing import authorizations into Montcalm County.

Ottawa, Ionia, Isabella, Lake, Mecosta, Newaygo, Gratiot, Kent, Muskegon, and Osceola presently import into Montcalm County.

The committee began discussing which counties should have import authorization into the county in the future.

Barry County has requested a reciprocal agreement with Montcalm County.

The current counties plus Barry County will be given import authorization. Montcalm County will be asking for reciprocal agreements with all those counties.

The DEQ has one concern at this point of the planning. That concern was the county did not list very many solid waste alternatives.

That subject will be brought up again at the next meeting.

Ed Sell will send the townships and other municipalities in the county an update on the process after the next meeting.

The county should start asking for reciprocal agreements with other counties.

The reciprocal agreements do not have to be included in the plan itself.

The committee moved on to old business.

Bill Haagsma announced that he will be resigning his position and asked if Joann Gould could be appointed in his place.

Carl explained that she has already been appointed pending Bill's resignation.

The next meeting was scheduled for June 16, 1998 at 4:00 p.m.

The meeting was adjourned at 5:48 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

Stanton
(517)
Fax: (517) 6

June 4, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, June 16, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of May 12, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
   1. Past Meeting Summary
      a) Reviewed Solid Waste Generation Numbers
      b) Discussed recycling activities and figures
      c) Discussed import/export counties
      d) Discussed input from John McCabe, DEQ
   2. Review Chapter III text of plan
   3. Discuss County's Responsibility for Capacity Certification

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Tuesday, June 16, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Gary Douthett
Mark Creswell
Dean King
Violet Rohrer
Tom Ledger
Charles Harris

Members Absent: David Weisen
Don Meister
Kathy Gould
Warren Wells
Bill Haagsma
Gary Laporte

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Joann Gould
Roger Waldron
Sue Zehr

The meeting was called to order by Chairman Paepke at 4:06 p.m.

Ed Sell took roll and announced a quorum present.

Motion by Thomsen, second by Rohrer to approve the agenda as written. Motion Carried.

The committee reviewed the May 12, 1998 minutes.

Motion by King, second by Thomsen to approve the May 12, 1998 minutes as printed. Motion Carried.

Carl turned the meeting over to Rob Eggers and Cindy Windland of Spicer Group.

The final section of the report has a lot of forms and statistical information.

The first page was titled "Current Import Volume Authorization of Solid Waste."

Dean King brought up the possibility of adding Saginaw and Genessee Counties as import and export counties.

Mark Creswell explained that an expansion application for the whole 155 acres will be filed some time this month.

Motion by Creswell, second by King to ask for reciprocal agreements with all counties in the Lower Peninsula. Motion Carried.

The committee discussed the ramifications of opening up the landfill to all the counties in the Lower Peninsula.

The committee decided to ask for reciprocal agreements only two counties out from counties presently importing or exporting waste to or from Montcalm.

Motion by Creswell, second by King to change the original motion to only get reciprocal agreements two counties out from what we current use. Motion Carried.

Mark Creswell will work on a list of those counties.

The committee discussed which types of landfills to list – Type II or III's. A type III can take hazardous waste. A type II cannot.

The committee discussed obtaining facility description sheets.

The committee discussed a table regarding resource conservation efforts.

Curbside recycling efforts were discussed. Stanton and Greenville have curbside recycling.

Drop off sites in the county were listed.

The four township drop off sites average approximately 8 tons per month.

The committee discussed the table regarding waste reduction, recycling, and composting.

The recycling and composting section was discussed. (Table III-1)

The committee discussed adding recycling activities.

Violet Rohrer discussed educating the public on the need for recycling.

The committee discussed composting activities.

There is no true composting going on in the county.

Dean King said Edmore may have a regulated composting site.

Violet inquired what it would take for Central Sanitary Landfill to be listed as a compost site, instead of a waste pile site.

The committee discussed source separation of potentially hazardous materials.

The committee discussed possible new recycling activities needed in the county.

A heavy steel pickup program was proposed.

The committee moved on to identifying resource recovery management entities.

Various entities were added to the list.

The committee tried to identify amounts of various materials recycled.

The committee discussed giving responsibility for the various new activities that the plan identifies.

Dean King explained that the manufacturers need more education on recycling. Manufacturers also need to offer more for recycled materials.

The committee added having more deposits on bottles as a proposed new activity.

Siting review procedures are not applicable to Montcalm County. Those procedures cover the siting of new landfills only.

The committee discussed local ordinances and regulations affecting solid waste disposal.

The committee must decide what kind of ordinances and regulations are allowed in the county.

The committee discussed the capacity certifications.

The county must certify whether or not there is ten years capacity.

Rob asked if there were any other solid waste topics to be discussed.

Carl reminded everyone to read over the materials received thus far.

The committee scheduled its next meeting for July 28, 1998 at 4:00 p.m.

The meeting was adjourned at 5:24 p.m.

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517) 831-7

July 24, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, July 28, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of June 16, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
   1. Review Current status of plan and changes made to draft
   2. Review remaining items to complete and delegate responsibilities
   3. Discuss distribution of draft plan to municipalities
   4. Discuss Public Hearing

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Tuesday, July 28, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Gary Douthett
David Weisen
Dean King
Violet Rohrer
Jim McMullen
Gary LaPorte

Members Absent: Charles Harris
Mark Creswell
Warren Wells
Joann Gould
Tom Ledger

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers

The meeting was called to order by Chairman Paepke at 4:03 p.m.

Ed Sell took roll and announced a quorum present.

Carl added a letter from the DEQ to other business.

Motion by King, second by Thomsen to approve the agenda as amended. Motion Carried.

The committee reviewed the June 16, 1998 minutes.

Motion by LaPorte, second by Thomsen to approve the June 16, 1998 minutes as written. Motion Carried.

The committee moved on to new business.

Carl introduced the new general public member of the committee, Jim McMullen.

Carl turned the meeting over to Rob Eggers.

Rob explained that this is the meeting where assignments will be made to wrap up the plan.

Rob reviewed the plan as it now stands.

Sue Zehr entered at 4:09 p.m.

The committee discussed curbside recycling and pickup.

The committee added Wexford and Missaukee counties to the list of counties exporting into Montcalm County.

Facility descriptions in other counties were reviewed.

The committee reviewed the list of responsible parties.

The committee reviewed the appendix of the plan.

The page regarding the county solid waste system was discussed.

The committee reviewed Appendix B which includes non-selected systems for the Montcalm County solid waste management plan.

The committee reviewed public participation and approval.

Ed Sell will complete section C-2 regarding public participation.

Ed Sell will complete section C-3 regarding other committee member appointment procedure.

The committee reviewed the various representations on the solid waste management planning committee.

The committee needs a letter from Central Sanitary Landfill and Ottawa Farms Landfill stating that the county can put waste into the landfill.

Ed will get copies of public meeting announcements for inclusion in the plan.

The summary of the plan needs to be completed.

The next meeting was scheduled for September 22, 1998 at 4:00 p.m.

There was no other new business or old business.

Under other business, Carl explained some letters the county received from the DEQ regarding landfill violations of the solid waste management plan.

The letters explain improper acceptance of waste from other counties.

The meeting was adjourned at 4:53 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517) 831-737

October 7, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, October 27, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of June 28, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Engineering
   1. Review Draft Plan
   2. Consider Kalkaska County for Import County

b. Dan Buyze Letter
c. Pierson Township Planning Commission
d. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

6.

11-9-98
BOARD ACTION
TO BE PLACED ON FILE

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
MINUTES

Tuesday, October 27, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
David Weisen
Mark Creswell
Nancy Maioho
Joann Gould
Tom Ledger
Jim McMullen

Members Absent: Dean King
Warren Wells
Gary Douthett
Gary LaPorte
Charles Harris

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Jim Johnson
Phil Beal
Jeff Hughes
George Ravell
Sue Zehr
Jan Vukin
Mary Mosey
Ann Mosey

The meeting was called to order by Chairman Paepke at 4:05 p.m.

Carl introduced the new committe member, Nancy Maioho. Nancy is the new Pierson Township Supervisor and is the township representative on the committee.

Ed Sell took roll and announced a quorum present.

Two items were added to the agenda. A second letter from Dan Buyze and a reciprocal agreement with Oceana County were the additions.

Motion by Thomsen, second by Wiesen to approve the agenda as amended. Motion Carried.

Carl asked for each person, including the public to introduce themselves.

The committee reviewed the July 28, 1998 minutes.

Motion by Meister, second by Thomsen to approve the July 28, 1998 minutes as printed. Motion Carried.

The committee reviewed a letter from Dan Buyze regarding his concerns over the Solid Waste Management Planning update process. The committee needed to look into two items:

1. The committees plan approval process.
2. Meeting times.

Motion by Weisen, second by Thomsen to receive the letter and place it on file. Motion Carried.

George Ravell was present from the Pierson Township Planning Commission.

George addressed the committee. George read a memo addressed to the committee dated October 27, 1998(see attached).

Carl thanked George.

Carl turned the meeting over to Rob Eggers and Cindy Winland of Spicer Group.

Rob introduced Jim Johnson from the DEQ.

Rob handed out a copy of the letter from Jim regarding his review of the draft plan update.

Rob explained that there are four things in the review that needed to be discussed by the committee.

The first item surrounded state landfill monitoring. If the health department isn't doing it or if some other arrangement isn't made, state landfill monitoring is the responsibility of the DEQ.

The health department isn't doing any monitoring.

George Ravell explained that the township zoning ordinance does have language regarding monitoring the landfill.

Jim Johnson explained that the plan could allow monitoring by the township pursuant to the township's zoning ordinance.

Cindy Winland explained that the areas of local regulation allowed are included on page III-43.

Cindy read from the zoning ordinance provided by Pierson Township.

Discussion took place regarding whether to include Pierson Township Zoning Ordinance language in the plan.

Nancy Maioho explained that the regulations were in effect with the new plan.

Committee members expressed concern about the restriction in locating near wetlands.

Ed Sell inquired about the siting mechanism in the new plan.

Jim Johnson explained that if the county has over 10 years of available capacity, a siting mechanism is not required.

If an expansion is requested and if the landfill has used all the space presently approved for siting in the plan, the plan would have to be amended to provide a siting mechanism in order for the landfill to expand.

The county currently has over 10 years capacity with all the export counties included. There is no siting mechanism in the current plan update.

The landfill is currently allowed to use up to 40.32 acres of its 315 acres.

Jeff Hughes explained the landfills need for an expansion of the site.

Mary Mosey requested an explanation of what the plan update allows as far as expansion. The landfill is currently sited for up to 40.32 acres.

The committee discussed how many acres it wanted to permit for expansion in the plan.

The landfill is asking for the ability to expand to up to 195.32 acres. The DEQ would still have to permit them to use any additional space.

Nancy inquired as to the present use of the land at the landfill.

Phil Beal explained that the 195.32 acres would give the landfill more than five years capacity.

The current permitted area of 40.32 acres will last 4.94 more years.

The landfill operators consider the 195.32 acres approximately 80-90 years capacity.

The landfill operators want that amount of capacity available so they can make long term business decisions, not short term.

Nancy explained the townships reasoning for wanting the zoning ordinance in the plan.

The landfill didn't want a second set of almost the same regulations to meet.

Motion by Maioho, second by Ledger to make the total area sited for use 106 acres. Discussion ensued regarding the motion. Jeff Hughes reiterated his reasons for wanting the 195.32 acres to be approved. Nancy explained that she felt the expansion still allowed a large amount of area. Motion failed on a voice vote.

Motion by Creswell, second by Weisen to make the total area sited for use 195.32 acres. Discussion ensued on the motion. Phil Beal explained that he does not currently know how much would be applied for right away. Jeff Hughes explained that allowing the whole 195.32 acres would cause the whole site to become a large plan. It would allow them to make the site aesthetically pleasing. Roll call vote taken. Motion passed 7-1. Paepke-yes, Thomsen-yes, Meister-yes, Weisen-yes, Maioho-no, McMullen – yes, Creswell – yes, Ledger – yes.

The committee moved on to discussing whether to include the townships zoning ordinance in the plan.

Jim Johnson explained that some of the sections in the regulations are in conflict with state law.

Mary and Ann Mosey exited at 5:14 p.m.

Jim Johnson explained some of the sections that are in conflict with state law. For example, the regulations require special land use approval. This would be in conflict with state law and the plan would be denied by the state.

Jim Johnson gave examples of what would be approved.

Jim explained that provisions can be put in the plan to require the landfill to report to the township periodically.

Nancy asked if the township could be copied on all documents to and from the DEQ.

Jim explained that the township can ask for copies of documents from the district office.

Motion by Creswell, second by Ledger to not include any of the townships zoning ordinance in the Part 115 plan update. Discussion ensued. Nancy asked for the few items that can be included to be included. Roll Call Vote was taken. Motion failed 5-3. Paepke – Yes, Thomsen – No, Meister – No, Weisen – No, Maioho – No, McMullen – No, Creswell – Yes, Ledger – Yes.

Motion by Maioho, second by Weisen that items 15.45(d), (h), and (k), excluding the portions of the first paragraph following "and processing of solid waste ..." from the Pierson Township zoning regulations(see attached) be included in the plan. Discussion ensued. Sally asked whether the provisions were ok with the DEQ. If only the specific subsections were included, the plan should be approved, but it would ultimately be up to the director of the DEQ. The sections, if included, would not apply to other townships and governmental units in the county.

If the zoning regulations were subsequently amended, the township would have to sponsor an update to the plan to get them included. Roll call vote was taken. Motion passed 7-1. Ledger – yes, Creswell – no, McMullen – yes, Maioho – yes, Weisen – yes, Meister – yes, Thomsen – yes, Paepke – yes.

The committee moved back to page III-43. Numbers 6 and 7 need to be clarified.

Number 7 regarding Composting and Recycling had to be deleted because they were not solid waste items.

Number 6 regarding the monitoring of wastes accepted and prohibited was discussed. The committee needed to specify exactly what they wanted in this section.

The committee decided to strike number six from the plan.

Number 8 regarding zoning regulations needed clarification as well.

Jim Johnson explained what could be included in the plan regarding zoning regulations.

He explained that the committee needed to actually designate specific types of land.

Jim Johnson explained that the township couldn't require special use permits in order to operate a landfill operation.

Jim Johnson said that the plan needs to explain exactly what type of regulations will be allowed.

Jim Johnson explained that zoning regulation allowances would apply to all county municipalities.

Motion by Creswell, second by Weisen to strike number 8 on page III-43 regarding zoning regulations from the report. Motion Carried.

Number 4 regarding operating records and reports was listed as a legitimate item.

The committee moved on to page II-11 regarding compost and waste piles.

An inventory was taken of the members.

The landfill has a compost pile. It is not open to the public.

Greenville has a compost pile. It is not open to the public.

The Village of Howard City has a compost site. It is offered free to citizens.

Jim Johnson explained the difference between a compost pile and a waste pile.

The plan says we have composting that operates as a waste pile. Waste piles have to be licensed under the plan.

Cindy recommended changing the description of composting and not including the current compost sites in the description of the solid waste sites.

The committee moved on to section III-39, Solid Waste Management Components.

The committee needed to define the management of the solid waste system.

The committee looked at items that needed to be managed in the plan.

Jim Johnson gave the committee some insight.

The role of the committee is to write the plan and define who is going to operate the plan.

Jim explained that the committee will be making a recommendation to the Board of Commissioners on how to manage the county solid waste system.

Jim explained that most counties at least take a limited role.

Jim explained that the county could be involved in education and other areas to be the manager of the plan.

Jim explained what some other counties do in solid waste management.

Don Meister explained that user fees were supposed to pay for the management of the plan.

Jim Johnson explained a lawsuit Saginaw County just won against a landfill regarding the legality of user fees.

Nancy Maioho suggested that the County Board of Commissioners develop a way for county citizens to get rid of household hazardous waste.

She also suggested the Board of Commissioner develop education and recycling programs.

MSU Extension's hazardous waste program was discussed.

Don Meister explained that Don Lehman of MSU Extension would be a good resource for a hazardous waste program.

The committee decided to make it the county's responsibility to enforce the plan, educate, and develop recycling programs.

David Weisen mentioned backyard composting as a possible program for the county to look into.

Jim Johnson explained that the legislature has tried to eliminate county's from solid waste planning. Landfill's have tried to lobby for no local control.

Jim felt that if the counties take a more active role in management of the plan, the legislature might not take planning away from the counties.

The committee discussed the process from here.

The plan is now in draft form. Once the plan is final, the 90-day public comment period will start.

The plan comes back to the committee after the 90-day period. The committee takes final action and it then goes to the Board of Commissioners for approval. If the Board approves it, it then goes to all municipalities for their approval.

Jim reviewed whom the plan needs to be sent to. Reviewing agencies have to have a minimum of three months to comment on the plan.

A public hearing has to be held within the 90-day public comment period.

The committee moved on to discussing Oceana and Kalkaska Counties as import/export counties.

Mark Creswell will provide information to the committee regarding import/export counties that don't have landfills.

Jeff Hughes explained Oceana County's reasons for wanting a reciprocal agreement. This county would be a back up to Manistee County.

The committee discussed whether to add Kalkaska County as an import/export county.

Motion by Creswell to include Kalkaska County as an import/export county in the Part 115 plan. Motion failed for lack of support.

Jim McMullen explained that he doesn't want garbage to come into his front yard from Kalkaska County. He felt Kalkaska should develop their own landfill.

The counties that don't have landfills are listed as import/export counties in the event they have landfills in the future.

The committee moved on to the rest of the agenda.

Cindy thanked Jim Johnson for attending the meeting because he was a big help.

Jim explained that his office went from 8 persons to 3 and he deals with 45 counties.

There will be another meeting to finalize the plan and release it for public comment.

The next meeting was scheduled for November 24, 1998 at 4:00 p.m.

Public comment was offered and none was received.

The meeting was adjourned at 6:57 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

P.O. Box
Stanton, MI 488
(517) 831-73
Fax: (517) 831-73

November 19, 1998

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Tuesday, November 24, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of October 27, 1998 minutes

(4) New business:

a. Robert Eggers/Cindy Windland, Spicer Group
   1. Finalize Solid Waste Plan Update
   2. Release for Public Comment

b. Other New Business

(5) Old business:

(6) Other business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Tuesday, November 24, 1998, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
David Wiesen
Mark Creswell
Nancy Maioho
Joann Gould
Jim McMullen
Gary Douthett
Warren Wells

Members Absent: Tom Ledger
Dean King
Gary LaPorte
Charles Harris

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Phil Beal
Jeff Hughes
Steve Esseling
Doug Donnell
Dan Buyze
Roger Waldron

The meeting was called to order by Chairman Paepke at 4:02 p.m.

Ed Sell took roll and announced a quorum present.

The committee reviewed the agenda.

Motion by Wiesen, second by Thomsen to approve the agenda as printed. Motion Carried.

The committee reviewed the October 27, 1998 minutes.

David Wiesen's last name was changed.

The landfill has a compost pile that is open to the public. Page 5 of the minutes was corrected.

Nancy Maioho inquired as to the reference in the minutes to a siting mechanism.

Motion by Wiesen, second by Thomsen to approve the October 27, 1998 minutes as corrected. Motion Carried.

The persons in attendance introduced themselves.

Carl gave the public a chance to speak to the committee.

Dan Buyze offered public comment.

Dan gave his background. He is not against landfills or the present management of the landfill. He protested the inclusion of 195.32 acres of capacity in the plan. He felt the plan was supposed to cover five years and 195.32 acres was much more than five years of capacity. Dan felt that there was no good purpose for including that many acres in the plan.

Doug Donnell offered public comment to the committee.

Doug is an attorney retained by Pierson Township, but he is here commenting on countywide issues.

Doug commented on the current status of the plan update. He also commented on the number of acres to be approved for the landfill.

Doug commented on the history of the 641 plan and the update process. He felt the plan update is an evolving document. He felt the plan would be changed a number of times in the coming years.

Doug commented on the appropriate landfill size for Montcalm County. He noted that the plan would be updated every five years unless the statute is changed.

Doug commented on the number of years of capacity that 195.32 acres represents. That many acres represent 80-90 years of capacity.

Doug felt that it would be unrealistic to do anything other than double the capacity.

Jeff Hughes, General Manager, Central Sanitary Landfill, presented a map of the landfill location. Jeff showed the area they want to develop as a landfill.

Warren questioned why we would want to authorize 195 acres at this point.

Jeff explained that they are trying to best utilize the site.

Jeff explained his intent for 195 acres. They want to be able to design the site to reach its capacity.

Dan Buyze commented on the engineering of the site. He stated that he believed the planning for the site has been done for years.

Doug Donnell asked if they could agree that they don't need 90 years capacity to do a business plan.

Rob Eggers and Cindy Windland of Spicer Group were present to continue the finalization of the solid waste plan update.

Rob explained that the deficiencies in the plan from the DEQ were corrected. Cindy handed out some additional corrections.

The goal is to finalize the plan tonight.

Cindy began explaining the changes.

Most of the changes were in site locations.

Additional wording changes were made.

The process from here was discussed.

If the plan is approved today, it is put out for a 90-day public comment period. At least 30 days into the public comment period, the committee must hold a public hearing.

Cindy suggested sending a copy of the plan to all the municipalities for approval. 2/3 of the municipalities must approve the plan after the public comment period ends and all changes are made.

At the end of the 90 days, the Board of Commissioners must act within 30 days to approve the plan or send it back to the committee. After the Board approves it, 2/3 of the municipalities must approve the plan.

After 2/3 approve the plan, the plan can be considered adopted.

The plan is then sent on to DEQ for their approval. The DEQ should also be sent a copy at the beginning of the public comment period to see if they have any more comments.

Jim McMullen commented on the fact that pages II-4 and III-7 do not agree. Rob explained that those pages are supposed to be different.

Motion by Maioho, second by Wells that the committee consider changing the 195.32 acres approved in the plan to 80 acres. Discussion ensued regarding the motion. Don Meister

commented on the ability of the landfill to develop the land. Sally Thomsen commented on the presentation at the last meeting regarding trees and landscaping of the site. Warren Wells commented on his experiences with the DEQ. He felt the DEQ changes their policies too often to allow that much capacity right away. Warren didn't feel it was a good idea to plan for 90 years in the future when you are working with the DEQ. Dan Buyze felt that there was no flow control on the landfill. Mark Creswell stated that the landfill does not take waste from out of state. Mark stated that the committee discussed the expansion in July. He stated the vote at the last meeting was unanimous to allow the expansion. He feels that because of long term site planning the expansion should be allowed. Nancy Maioho commented on page A-8 that allows "an additional 115 acres of licensed disposal space." Nancy felt that space was not supposed to be licensed, but sited. She felt allowing that much space was not in accordance with the planning and update process. Jim McMullen commented on the 80 years of capacity. He felt the site uses an acre and a half per year. He felt it would be full a lot quicker than 80 years. Warren didn't understand why they would be give anymore than five extra years capacity. Mark Creswell asked if Phil Beal could explain the issue. The committee allowed it. The landfill has a little less than 5 years capacity available. They are asking for 155 additional acres. The committee does not have the authority to license landfills. Phil explained the long term planning arrangements the company could make if they were able to plan for 195.32 acres. Carl explained that the person from the DEQ that attended the last meeting said the landfill can't do anything without a license from the DEQ. Mark Creswell asked why Nancy changed her motion from the last meeting of 106 acres to 80 acres. Mark asked if it would be better to allow all the acres and negotiate with the township and county on how the site would be developed. Don Meister explained his experiences with the prior planning process and frustrations with the DEQ. Mark proposed allowing the 155 acres in the plan and requiring the final 75 acres to be applied for. Carl asked if the committee would allow Doug Donnell to speak. He was allowed. He clarified that the motion allows the total site to be 80 acres. He commented on out of state waste and the fact that the landfill could accept it tomorrow. Motion by Maioho, second by Wells to amend the motion to read to change from 195.32 acres to 80 acres. Roll Call Vote was taken on the amendment. Motion failed 5-5 (Paepke – no, Thomsen – yes, Meister – yes, Weisen – no, Creswell – no, Maioho – yes, Gould – no, McMullen – yes, Wells – yes, Douthett – no). Roll call vote was taken on the original motion. Original motion failed 5-5 (Paepke – no, Thomsen – yes, Meister – yes, Weisen – no, Creswell – no, Maioho – yes, Gould – no, McMullen – yes, Wells – yes, Douthett – no).

Motion by Creswell, second by Wiesen to keep the plan at 195.32 acres and approve finalization of the plan. Nancy asked the committee to consider submitting language in the plan that would only allow them to use so much of the 195.32 acres over a period of 10 years. Motion failed 5-5 on a roll call vote (Paepke – yes, Thomsen – no, Meister – no, Weisen – yes, Creswell – yes, Maioho – no, Gould – yes, McMullen – no, Wells – no, Douthett – yes).

Carl called for a motion to release the document for public comment. That motion had just failed.

Jim McMullen asked for some additional information on the numbers of the plan.

Motion by Creswell, second by Meister to give the landfill an additional 80 acres instead of 155. Nancy asked how much of that space would need to be permitted. Jeff Hughes said it could be up to the full 80 acres. 80 acres is double what they currently have. Nancy stated that the township is very happy with the operators of the landfill. Nancy had a concern that this company will not be there forever. Warren reiterated his concern that the landfill will begin filling up the area a lot faster if the whole 195.32 acres was allowed for expansion. Gary Douthett explained that they need this because of competition in the industry. Doug Donnell proposed an amendment to allow an additional 80 acres but only an additional 20 would be allowed to be permitted by the DEQ. Jeff Hughes said you could do the whole 195.32 acres that way. Rob Eggers felt that the DEQ probably wouldn't allow that. Motion carried 7-3 on a roll call vote (Paepke – yes, Thomsen – no, Meister – yes, Weisen – yes, Creswell – yes, Gould – yes, McMullen – yes, Wells – no, Douthett – yes, Maioho - no).

Motion by Wiesen, second by Wells to approve the plan update and release it for public comment. Motion Carried.

The committee needed to set dates for the start of the public comment period and the public hearing.

Motion by Wells, second by Thomsen to start the public comment period on December 1, 1998. Motion Carried.

The committee discussed the date for the public hearing with the Board of Commissioners.

The committee would hold the public hearing. The Board of Commissioners would be invited.

Dan Buyze asked the committee to consider holding the public hearing at the Pierson Township hall.

Roger Waldron spoke to the location of the meeting. He felt that we shouldn't assume who will or won't attend the meeting. He felt it should be centralized.

Motion by Wiesen, second by Wells to schedule the public hearing for January 25, 1998 at 7:00 p.m. in the Circuit Courtroom. Motion Carried.

The committee won't meet again until the date of the public hearing.

The meeting was adjourned at 5:56 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

MONTCALM COUNTY
OFFICE OF THE COUNTY CONTROLLER

211 W MAIN ST
PO BOX 368, STANTON, MI 48888
(517) 831-7360
FAX (517) 831-7375

The Daily News
109 N. Lafayette Street
Greenville, MI 48838

Attn: Janie

Please publish the following "Display Ad" in your daily paper for three (3) days on Monday, Tuesday, and Wednesday, January 11, 12, and 13, 1999.

"NOTICE OF PUBLIC HEARING

The Montcalm County Solid Waste Management Planning Committee will hold a public hearing on January 25, 1999 at 7:00 p.m. The purpose of the public hearing will be to receive public comment on the update to the Montcalm County Solid Waste Plan. Public comment will be accepted in person or in writing. Persons wishing to submit comment in writing should deliver their comments to the Office of the County Controller, P.O. Box 368, Stanton, MI 48888 by January 25, 1999 at 5:00 p.m. The public hearing will be held in the Circuit Courtroom of the main courthouse at 211 W. Main Street, Stanton, Michigan. Persons wishing to view the plan update may do so at the Office of the County Controller, Monday through Friday, from 8:00 a.m. to 5:00 p.m. beginning January 11, 1999.

Edward J. Sell Jr.
County Controller"

Please furnish an affidavit of publication. Thank you.

Sincerely,

Edward J. Sell, CPA
County Controller

Montcalm County Board of Commissioners

P.O. Box 368
Stanton, MI 48888
(517) 831-7300
Fax: (517) 831-7375

January 20, 1999

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
A G E N D A

Monday, January 25, 1999, 7:00 p.m.
Circuit Court Room, Third Floor, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of November 24, 1998 minutes

(4) Public Hearing
re: Solid Waste Plan Update

(5) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
M I N U T E S

Monday, January 25, 1999, 7:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Gary LaPorte
Don Meister
Mark Creswell
Nancy Maioho
Joann Gould
Tom Ledger
Jim McMullen
Gary Douthett

Members Absent: Dean King
Warren Wells
Ruth Grinbergs
Sally Thomsen

Staff Present: Melissa Hetherington

Others Present: Donna Paepke
Rob Eggers
Cindy Windland
Jon Durren
Michael Julien
John Klein
Skip Ravell
Bill Grice
Dave Morris
Brian McAllister
Philip Beal
Jeff Hughes
Carol Ravell
Dorothy Ravell
Sally Ranger
Mike Ranger
Violet Rohrer
Sue Zehr
Tim Zehr
Bill Bryant
Bernard Flack
Roger Waldron

David Wiesen
John Lehmoine
Bryan Lehmoine
Bill McKee
Steve Hendersen
Mike Mosey
Mary Mosey
Jerry Poisson
Cindy Poisson
Robert Melaik
Karen Chutter
Roger Chutter
Sue Odren
George Bradley
Jo Anne Vukin
Scott Vukin
Ron Boss
Myra Boss
Edward Stormzand Jr.
Edward Stormzand Sr.
Doug Van Hattum
William Stroh

The meeting was called to order by Chairman Paepke at 7:00 p.m.

Melissa Hetherington took roll call and announced a quorum present.

Motion by Tom Ledger, seconded by James McMulllen to approve the agenda as written. Motion approved.

Motion by James McMullen, seconded by Nancy Maioho to approve the minutes of the November 24, 1998 meeting as written. Motion approved

Gary LaPorte entered at 7:03 p.m.

Joann Gould entered at 7:04 p.m.

Carl Paepke announced that individuals who wish to speak must fill out a card and will be allowed three (3) minutes to speak during the public hearing.

Mike Julien would like the proposal explained and asked for a brief summary of where the county is at with the plan.

Cindy Windland introduced herself and Rob Eggers, Spicer Group, to the public.

Cindy Windland explained that the DEQ requires that every time we update our solid waste plan, this time 5 years, a template of information must be filled out. Every county's plan will have the same format. There are 4 basic things that they want to know: goals, objectives, plans for the future, and how you are going to achieve those goals and objectives. Cindy explained the purpose of the meeting. Cindy explained the process the Solid Waste Plan must go through in order to be approved.

Cindy Windland explained the committee and its membership.

Rob Eggers explained that the very basis of the plan is to figure out what the county will do with its solid waste for the next ten (10) years.

Cindy Windland explained that the Solid Waste Plan for Montcalm County deals with Type 2 waste. There is type 1 solid waste, type 2 solid waste, type 3 solid waste, and hazardous waste.

Type 2 solid waste is mainly household waste: things you may put down your garbage disposal, construction waste, some contaminated soils, asbestos. It is all defined and regulated by the DEQ. This is a plan for what to do with the waste, not how to process it. The plan has no power over how the waste is processed.

The expansion of the landfill is a small part of the Solid Waste Plan. It is not the focus of the overall plan. The focus of the overall plan is how the county will dispose of its waste over the next ten (10) years.

Roger Chutter would like to know if the landfill in Pierson is just taking in solid waste from Montcalm County.

Cindy Windland explained that by law the Solid Waste Plan must plan for waste over the next ten (10) years for Montcalm County. They figure that amount of waste for one (1) year and times that by ten (10). Once a figure is come to, we go looking for capacity, whether that capacity be in Montcalm County or another county. The landfill in Pierson is not specifically being planned for our waste or someone else's waste. Its being planned for how ever the Solid Waste Management Planning Committee and the County as a whole feels that it needs it.

How much expansion is required for the next five (5) years in Pierson to handle the Montcalm waste.

Cindy Windland explained that it is an estimate of how much waste and how much space the waste will take up. It is a decision that the Solid Waste Planning Commission makes based on their varied experiences.

Carl Paepke explained that unless Montcalm County begins to recycle we will generate more waste every year due to the population growth in Montcalm County. The committee plans to work on recycling efforts once the Solid Waste Plan is approved.

The public hearing will begin.

Carl explained that when he calls an individuals name, they should repeat their name and where they are from. Carl reminded individuals that they have three (3) minutes to speak.

John Quinn, 3055 Grand Avenue of Pierson, is concerned about expansion of the acreage of landfill. Mr. Quinn is currently under the understanding the site that has been sited and approved for 30 acres or less. He doesn't believe that in planning for ten (10) years 80 acres is appropriate. Possibly a size of 20 acres or less is more appropriate for 10 years. Mr. Quinn is also under the belief that once the county makes such a large expansion possible, we (the county, township, Solid Waste Planning Committee, etc.) would lose a great deal of control over how the landfill is developed and how it is planned.

Skip Rivell, 44 Cherry of Pierson. Why was the village so quickly informed of the DEQ Plan? Mr. Rivell questions the accuracy of some of Spicer's figures in the Solid Waste Plan. Mr. Rivell would like to know what the County has in mind for recycling programs in the future. Mr. Rivell would like to know who will do the water quality evaluations and what will be considered acceptable drinking water. Mr. Rivell is also concerned about the Chairman's, Carl Paepke, attendance at Pierson Township/Village meetings. Mr. Rivell would like Mr. Paepke to attend to inform the township what is going on currently with the landfill.

Carl Paepke explained that he is there anytime for a member of his district.

John Klein, 2031 Lake Street, Big Whitefish Lake. Mr. Klin has the same concerns as Mr. Quinn on expansion. Mr. Klin's concerns are also of the quality of Big Whitefish Lake. Seagulls have become a familiar sight since the existence of the landfill. Mr. Klin would like to see the seagulls taken care of and feels that this size of an expansion will only increase the number of seagulls on the lake and in turn decrease the quality of life on the lake.

Jon Durren, 2013 Lake Street Big, Whitefish Lake, President of the Big Whitefish Lake Association. Mr. Durren voices the same concerns as Mr. Quinn and Mr. Klin. Mr. Durren has, in the past, sent letters to all commissioners regarding the landfill and slowing down the process, and has become more familiar with the DEQ process that is in place. Mr. Durren and the Big Whitefish Lake Association would like a five (5) year plan that takes care of five (5) years and not anything more.

Rob Eggers asked Mr. Rivell to clarify his comments regarding the mathematical figures. Mr. Eggers explained that the numbers are not put in at Spicer's choice, it is the decision of the Solid Waste Management Planning Commission.

Michael R. Julien, of Pierson Township (as second home). Mr. Julian read a letter from the Mayor of the City of Walker. Mayor Don E. Knottnerus' letter comments on the pending expansion of the landfill in Pierson Township. Mr. Knottnerus is concerned that "awarding such a lengthy and excessive expansion would undermine the ability of your committee to manage solid waste practices at this facility as provided for in Public Act 641." Mr. Knottnerus and Mr. Julien would like to see the expansion size decreased from the 80 acres in the plan. They feel

that a smaller size will allow the County the control that Public Act 641 provides. Mr. Julien feels that there is no substitute for local control.

Tim Zehr, 3400 Bobtail Circle of Pierson, would like to address the following questions to the committee:

1. What impact will a landfill of this proposal size have on residents property value?(Particularly in direct relationship to the landfill.)
2. We would like to view the site plan. We haven't seen one. To better educate the residents to prepare public comment in the future.
3. What effect will this have on wet land? I can not move dirt into a wet land but they are.
4. What is their storm water management plan? Does it include a 100 year flood plan? How does this raise elevation for the 80 acres that are being proposed? What kind of effect does that have on the residents?
5. What issues of noise pollution are being addressed?
6. What are the hours of operation?
7. What steps are outlined to protect us from pollutants, airborne(seagulls) or ground water or otherwise?
8. What form of communication has been developed in order to notify affected residents if contamination does take place? What degree (of contamination) will it have to reach before we are(notified)?
9. Why is there no protection in place for wildlife or children from coming into contact with the water, the ponds, and woods that are located on the landfill site that could contain contaminates?
10. Is there a long term insurance policy in effect to protect residents from major financial losses due to accidental or catastrophic or irreversible contamination? And for how long does that stay in effect?
11. Mr. Zehr would like to see some kind of landscaping so that if I am going to be a good neighbor to it, it can be a good neighbor to me so I don't have to see it.
12. What types of use can the landfill support when it is completed if we give it an 80 year plan?
13. Is it wise to make such a long term commitment of years and acreage? Or would it be better to serve our residents and grandchildren if we limit it to smaller increments like everybody else is repeating here?
14. What provisions can be made that a grievance with the current owners will remain for future owners? If you remember the previous owner just two (2) years ago it was owned by a much smaller firm that would have had a longer term to fill the cells on less land. We now accept waste from many outlying counties and this plan will encompass even more.

Mr. Zehr feels that if we are going to all be on the same team that a delegate from the township should have some kind of format with the owners to have round table conversations on monthly basis.

Mike Ranger, Carson City, is concerned with the size of the expansion and the long term that this plan may allow (80 years). Mr. Ranger feels that it should be held to a smaller time frame because if things are larger it allows for another municipality to slip into this perhaps at a latter date even though we have these agreements in place. Mr. Ranger is concerned with Spicer's

recommendation of no burning in the townships. Mr. Ranger opposes the no burning. He feels that they have brush and grass and those types of things that he believes if burned properly in the spring or perhaps even during the summer or winter months would not fill our landfills. Perhaps even our grass clippings and yard trimmings should be composted.

Carl explained that the no burn is in the plan for burning barrels because they use a lot of plastics. When plastic is burned it gives off a toxicity into the air. The burning that Mr. Ranger is speaking of can be cleared with your local fire department to get permission to burn.

Sue Zehr, Pierson. Ms. Zehr would like to ask Mr. Paepke as Commissioner if the DEQ has put together and if the rules of the 641 have been followed and more specifically rule 904 of the 641 which is again part 115 which talks about the hydrological reports, aquifer, the testing of wells within a half a mile, the documentation of those, the preparation of the site plan that needs to be viewed by the public, what the site plan will be at the end and how it effects the surrounding areas. Ms. Zehr has a list of rule 904. How is it that we as citizen making these comments will hear back on our questions?

Mr. Paepke responded to Ms. Zehr's questions by letting her know that the purpose of the meeting was for the benefit of the committee to know the feeling of the citizens and to go over those and see if they work into the plan or not. The plan has to be according to state law.

Ms. Zehr inquired how the citizens were going to hear back on the questions that they have. She would like to know what the committees future plans are to respond to the citizen questions from this public hearing.

Mr. Paepke responded to Ms. Zehr question of how they would hear back on their question by letting her know that the Solid Waste Meetings are open and they are welcome to attend.

David L. Morris, Little Whitefish Lake. Mr. Morris agrees with all the questions that have been asked in regards to the amount of land in the expansion. Mr. Morris is disappointed because he feels that he takes an active part in Pierson Township meetings and feels that the questions he has at a township level could have been answered if a representative (mainly Mr. Paepke) attended the township meetings. Mr. Morris feels that it is more Mr. Paepke's, as a representative of Pierson, responsibility then his own to see some of the original things that were setup with the landfill happen. For example, the distribution of payments to the township. Mr. Morris feels that the money is being taken in and not properly distributed as it was originally intended to be done. Mr. Morris feels that if we have those kinds of problems with the current program what will eliminate them from happening again. Mr. Morris doesn't feel that he is being represented as well as he should be.

Mr. Paepke responded by letting Mr. Morris know that Pierson Township has never given the county a plan for use of the money and without a plan the county cannot give the township any money. Mr. Paepke declined to comment any further due to a pending lawsuit.

Cindy Windland asked Mr. Morris to clarify whether he was speaking of tipping fees or something else. He was speaking of the tipping fees.

Bill Grice, 22755 Lake Drive, doesn't feel Mr. Paepke appropriately answered township questions regarding the landfill. Mr. Griss doesn't feel that Mr. Paepke has kept the Pierson Township Officials informed of current happenings with the landfill.

Violet Rohrer, Pierson Township, commented on the recent article in the Grand Rapids Press and a radio broadcast on public radio about excess landfill space in Michigan. Ms. Rohrer is aware that many truck loads of waste that come in to southwest Michigan from Canada. She believes that the landfill in Pierson Township is to handle Montcalm County solid waste only but does not feel that, that is what is happening. Ms. Rohrer feels that their representative, Mr. Carl Paepke, is not appropriately answering their questions. Ms. Rohrer would like to know what will happen if all the landfills in southwest Michigan begin to fill up? Will there be a ripple effect? Has this issue been addressed? What is the proposed end use plan for the landfill? Who is responsible for education to community regarding recycling? Why are we not, as a county, doing more to recycle?

Bill Bryant, Pierson. What is the landfill going to do for Pierson Township? What benefit will occur for Pierson Township with an expansion of the landfill?

Bob Melaik, 1771 Lake Street, Pierson Township. Mr. Milak's primary concern is the proposed expansion to the landfill. He believes that a more modest expansion is appropriate. Mr. Milak is concerned that if the landfill company is given 80 acres of expansion they would fill it up in a short period of time because they would make a profit of doing so. What would be the benefit to Pierson Township if the landfill expanded? What would the benefit be to Montcalm County of expanding the landfill.

Jerry Poisson, 1855 Lake Street, Pierson Township. Mr. Poisson doesn't feel that this is going to be a private business. He feels that the landfill company will maximize their profits by filling the expanded part of the landfill up quickly. How will we control how quickly the landfill expands. The county needs to control and meter the landfill growth. The County needs to be ready for possible better ways in the future to handle solid waste. Not limit better ways by expanding the landfill now.

Karen Chutter, Big Whitefish Lake, Pierson Township(Pierson Township Planning Commission Member) What are the plans to involve the Pierson Township Planning Commission as the plans proceed? In regards to Cindy Windland's comments earlier: If we have an excess amount of acreage and Montcalm County cannot fill it and surrounding counties cannot fill it we would go looking elsewhere for it.(Is that true?) If that is then wouldn't that allow for things to come in from all over? Ms. Chutter feels that Mr. Zehr and Ms. Zehr's comments should be presented formally to the Solid Waste Committee in writing and that they be a part of the minutes. Ms. Chutter felt that responses to Ms. Zehr were rude. Ms. Chutter doesn't feel that questions are allowed in regular solid waste meetings. Ms. Chutter would like the committee to take into consideration future generations.

Cindy Windland will clarify the statement for Ms. Chutter. Law requires every county to plan for 10 years of just the Counties waste. We can choose to dispose in our county or in other

counties. Montcalm County will be in good shape because we have 10 years of capacity with our landfill. We don't have to go out and site a new landfill. The county has no control over out of state solid waste, it is in the hands of the owners and the federal government.

Roger Chutter, Pierson Township, is unaware of any benefit that Montcalm County will have by planning an expansion of 80 acres or for any more then 10 years.

Scott Vukin, Pierson Township Treasurer & Planning Commission, feels that the figure is unclear for ten years of solid waste. Feels that the funding from the old plan 641 was not followed properly by the County. No funds were distributed to the township for roads, education, or anything else. There is no funding for educational programs in this plan. Where will the funding come from.

George Bradley, Pierson. Mr. Bradley's main concern is the proposed expansion. A lot of his concerns come from his distrust of the DEQ. Mr. Bradley fees that in the past the DEQ has not done their jobs appropriately and is worried that the same will happen again. Mr. Bradley would like to see local control by monitoring slow growth of the landfill. If expansion is allowed at this size, then the local control will be lost. If you go with smaller expansion local control will be easier.

Ron Boss, Pierson retired school teacher. In the past Mr. Boss has told his students to trust government, now he is glad that he doesn't have to walk into class because he couldn't say those things. Mr. Boss hopes that somehow trust will be restored for our local government.

Doug Van Hattum, Pierson. Feels that an expansion of this size far exceeds the scope of a five (5) year plan. The quality of living on Big Whitefish Lake has declined since the landfill came. The expansion size will continue to deteriorate the quality of living. If the expansion happens at 80 acres it will be very hard for the county to control and he would like to see the acreage lowered.

Mike Mosey, Big Whitefish Lake. Mr. Mosey would like everyone to be aware of the ground water direction. It flows east and he feels that those that are east of the landfill will be the ones with contaminated water. Mr. Mosey would like to see trees and shrubs put on the landfill.

Carl Paepke explained that trees and shrubs can not be placed on the landfill itself. The roots of trees and shrubs would break protective layers and may cause contamination.

Jerry Poisson would like to appeal to Mr. Paepke to do the right thing as Mr. Poisson sees it.

Motion by Jim McMullen seconded by Mark Creswell to adjourn. Motion carried.

Meeting adjourned at 8:10 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

Montcalm County Board of Commissioners

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Stanton, MI 48888
(517) 831-7300
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August 4, 1999

SOLID WASTE MANAGEMENT PLANNING COMMITTEE
AGENDA

Tuesday, August 10, 1999, 4:00 p.m.
Jack Van Harn Board of Commissioners Room, Main Courthouse

(1) Call to order

(2) Agenda approval

(3) Reading & approval of January 25, 1999 minutes

(4) New Business

a. Rob Eggers/ Cindy Windland, Spicer Group
Re: Solid Waste Plan Update

b. Other New Business

(5) Old Business:

(6) Other Business:

(7) Adjournment

The Montcalm County Board of Commissioners will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting hearing upon two (2) weeks' notice. Individuals with disabilities requiring auxiliary aids or services should contact the Montcalm County Board of Commissioners by writing or calling Ed Sell, County Controller, at the above location.

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
MINUTES

Tuesday, August 10, 1999, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

COMMITTEE APPROVAL OF PLAN

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Mark Creswell
Tom Ledger
Jim McMullen
Dean King
Gary Douthett
Ruth Grinbergs
Laura Shears

Members Absent: Gary LaPorte
Warren Wells
Joann Gould
Nancy Maioho

Staff Present: Ed Sell

Others Present: Donna Paepke
Rob Eggers
Doug VanEssen
Phil Beal
Skip Ravell

The meeting was called to order by Chairman Paepke at 4:03 p.m.

Ed Sell took roll and announced a quorum present.

The visitors in attendance introduced themselves.

The committee reviewed the agenda. Carl explained that Doug Van Essen will be explaining a proposed change to the plan under new business.

Motion by King, second by Thomsen to approve the agenda as printed. Motion Carried.

The committee reviewed the minutes of the January 25, 1999 meeting.

Motion by King, second by Ledger to approve the minutes of the January 25, 1999 meeting as printed. Motion Carried.

Carl turned the meeting over to Rob Eggers of Spicer Group.

Rob began by explaining the changes that have been made to the plan since the last meeting. The changes were primarily a result of recommendations by the DEQ.

Nancy Maioho entered at 4:07 p.m.

Changes recommended by the County attorney, Doug VanEssen will also be discussed. Those changes have not been made to the plan yet.

Rob began reviewing the changes to the plan as a result of the DEQ's initial review of the plan.

The total area sited for use of the landfill should be 115.92, not 120.32.

Rob finished his review and Carl asked for a motion on approval of the recommendations.

Motion by Creswell, second by King to accept the changes as recommended by Spicer Group. Motion Carried. (See attached cover letter from changes)

Doug VanEssen explained the recommendation that he developed from his review of the plan. Each committee member had a copy of the proposed motion to review.

Doug explained the proposed changes.

The first change was an addition to the plan regarding user fees. Doug explained that the plan should allow user fees as an additional layer of authority that works with the user fee contract the County has with the landfill.

This change just gives the County the general authority to enter into a contract or enact an ordinance for collecting user fees.

Doug explained the second recommendation. The recommendation was in regards to authorization of local regulations for solid waste.

Doug explained the various views that have been taken by the DEQ in regards to local ordinances.

Doug explained the changes allow the local units of government in the County the ability to still adopt ordinances, but does not give express authority that the ordinances are acceptable or legal.

The plan neither mandates nor stands in the way of local units adopting independent ordinances.

Doug explained a change to the form that the DEQ gave to the committee to use.

Doug explained an addition of county landfill user fees to page A-8 as a potential funding source for the solid waste management system.

Dean King asked who has authority to collect user fees.

Doug explained that only the County could collect user fees. The township hosting the landfill can collect a different fee called a host fee. The host fee does not need to be provided for in the plan.

Jim McMullen explained that he was against the amendment because it is too vague and not specific enough.

Doug explained that there are a lot of general statements in the plan. You must be general in order to stay away from the amendment process every time you want to make a change. He explained that there is case law that restricts the County from doing various things with user fees. He also explained that the County cannot receive more in user fees than it can reasonably use.

Specifics in the plan make the solid waste system difficult to administer.

Doug explained his reasons for putting the user fee language in the plan when a contract could be struck even without the language.

Doug explained that without the requirement in the plan, a landfill would be less likely to enter into an agreement.

He also explained that the inclusion in the plan is an extra protection for the County.

Nancy Maioho asked about the existing user fee agreement. She asked if a contract and ordinance could be in place at the same time so that the County could collect twice.

Doug explained that in negotiations with the landfill the contract would most likely be changed to specifically limit the County to collect under only one method, either contract, resolution, or ordinance.

Nancy asked about the possible uses of the user fees and the possibility that they could be used for things not identified in the plan.

Doug explained that there is no specific use of the user fees identified in the plan. Flexibility is given to the Board of Commissioners to determine what solid waste related area on which the funds will be used.

Nancy Maioho explained that she would rather not change the wording on page III-46 because it was already paired down through discussions with the DEQ.

It was explained to Nancy that the wording on page III-46 does not change with the motion and the township has as much authority as it previously did with the former plan if the change is adopted.

Jim McMullen expressed some concern regarding burning ordinances.

Doug explained that the wording on pages III-46 & 47 gives the local units of government as much authority that they can possibly have.

Motion by King, second by Ledger that the Montcalm County Solid Waste Management Plan Update being prepared by the Montcalm County Solid Waste Planning Committee be amended as follows:

[To Part III-42, entitled "Solid Waste Management Components," the following shall be added to the end of the text:]

> In order to finance the implementation of a Part 115 County Solid Waste Management Plan, Montcalm County imposes a user fee upon all solid waste disposed at facilities located within the County. By contract, resolution, and/or ordinance, the Montcalm County Board of Commissioners will set the amount and method for determining the user fee, among the following three alternatives:
>
> 1. Percentage of the facility's monetary gate receipts;
> 2. Fixed amount per weight deposited; or
> 3. Fixed amount per volume deposited.
>
> Each facility owner or operator must remit the user fees to the Montcalm County Board of Commissioners on a monthly basis. Also, on a form selected by the Montcalm County Board of Commissioners, the facility owner or operator shall also provide monthly reports to the County identifying the gross amount of the paid receipts and/or solid waste collected during the preceding month. The County must receive all monthly reports and collected user fees no later than the 10th day of the succeeding month.
>
> In order to encourage the development of resource recovery facilities, user fees shall not be imposed on material that is recycled at resource recovery facilities.
>
> * * *

[Part III-47, subparagraph 3 will be deleted and replaced with the following:]

> 3. This Plan is not intended to authorize local ordinances or regulation that exceed the scope of Part 115 or are otherwise pre-empted by state law or regulations promulgated thereunder. Notwithstanding the above, to the extent that authorization is required through this Plan and only to such extent, this Plan authorizes the adoption and implementation of regulations governing the following subjects by Montcalm County and its local units of government without further authorization from or amendment to the Plan:

a. Ancillary solid waste disposal, transfer or resource recovery facility ("facility") construction details such as landscaping and screening;

b. Facility hours of operation;

c. Facility noise, litter, odor and dust control;

d. Facility operating records and reports;

e. Facility security;

f. Facility user fee imposition and remittance;

g. Solid waste disposal and incineration except at licensed facilities;

h. Solid waste transportation;

i. Recycling and resource recovery.

* * *

[The last paragraph on Section III-48 including the box and beginning with "Ten years of disposal capacity has not been identified in this Plan..." is deleted]

* * *

[All information under the heading "Potential Funding Sources" in the spreadsheet on A-8 is deleted except the references to "Central Sanitary Landfill..." in replace of all deleted material, the following shall be inserted on each line under this heading:]

County landfill user fees

* * *

It is further moved that the Montcalm County Plan Update is hereby referred to the Montcalm County Board of Commissioners for its consideration and approval. Motion Carried with all members present voting yes.

Mark Creswell asked about the next step in the process.

The plan will now go to the Board of Commissioners for its approval. If the Board approves it, the plan will be sent to the other local units of government and the DEQ for their requested approval.

The committee discussed the process of getting the plan approved by the other local units of government.

The plan must be sent to all the adjacent counties listed in the plan.

The Board cannot adopt the plan before it has had 30 days to review the plan. The earliest date it could approve the plan would be September 23, 1999.

Nancy asked that a draft resolution be sent to the local units for them to adopt in the approval process.

The committee discussed its next meeting date.

The committee discussed the possibility of discussing what to do with the landfill user fees that the County is accumulating.

Nancy felt that the committee could start right in at determining what areas of the plan to recommend spending of the landfill user fees on.

Doug Van Essen felt that late October would be a good time to meet to review the status of the plan approval and determine if the townships need help or explanation in approving the plan.

The committee scheduled its next meeting for Thursday, October 21, 1999 at 4:00 p.m.

The meeting adjourned at 5:23 p.m.

Respectfully submitted,

_____

Carl A. Paepke, Chairman

MONTCALM COUNTY BOARD OF COMMISSIONERS
Regular Meeting
Monday, September 27, 1999
1:00 PM

BOARD APPROVAL OF PLAN

The regular meeting was called to order by Chairman Waldron at 1:00 p.m.

The meeting opened with the Pledge of Allegiance. Former County Commissioner Gilbert Morris from the Butternut Bible Church offered invocation.

Members present: Commissioners Walker, Lindeman, Wiesen, Retzloff, Thomsen, Nelson, Paepke, Baker, Carr, Waldron, Kohn, Caris and McCrackin. Members absent: None.

Others present: Kristen Millard, Ed Sell and Rosemary Horvath.

Moved by Commissioner Paepke, supported by Commissioner Wiesen to approve the September 13, 1999 minutes with the addition of Commissioner Thomsen's name on page1, paragraph 8. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Thomsen to approve the agenda with the addition of #2 under Old Business entitled Approval of 9-13-99 Executive Session minutes. Motion carried.

Public comments were offered. Chairman Waldron informed the Board that he will be presenting the Board's memorial resolution to Gene Jeppesen's family at the Douglass Township meeting on October 6, 1999.

Two Farmland Agreements were received from Sheila Smith, Belvidere Township Clerk. Since Belvidere Township is zoned, Ms. Smith is only asking the Board of Commissioners to forward any comments they may have in regards to these applications to her. Both applications were filed by Ranch Land Enterprise, L.L.C. Moved by Commissioner Kohn, supported by Commissioner Thomsen to place the two Farmland Applications on file. Motion carried.

A memorandum was received from Ed Sell, County Controller, concerning the Building Design Process for the proposed jail expansion and courts complex. In his memo Mr. Sell explained that the Board needs to decide whether it wants the recommendations from the architects to come to a building committee for a recommendation to the Board or directly to the Board of Commissioners regular meeting. He also suggested that two or four commissioners attend the bi-weekly meetings that he, Sheriff Godell and Judge Miel will be having with the architects and construction manager. Once the Board selects the design of the project Mr. Sell informed the Board that the Building Authority must take over.

Moved by Commissioner Kohn, supported by Commissioner Wiesen to appoint Commissioners Caris, McCrackin, Thomsen and Retzloff to meet with the Sheriff, the Chief Circuit Judge, Ed Sell, the architects and construction manager on a bi-weekly basis during the design process. Moved by Commissioner Nelson, supported by Commissioner McCrackin to amend the motion to have five commissioners meet with the Sheriff, the Chief Circuit Judge, Ed Sell, the architects and construction manager and to appoint Commissioner Lindeman to attend the meetings as well. Amendment carried. Original motion as amended carried.

Moved by Commissioner Retzloff, supported by Commissioner Paepke to authorize the Building Authority to finance and administrate the construction of the jail expansion and court's complex. Roll call vote: Ayes: Commissioners Lindeman, Wiesen, Thomsen, Nelson, Paepke, Baker, Carr, Waldron, Kohn, Caris, McCrackin and Walker. Nays: None. Motion carried.

Moved by Commissioner Nelson, supported by Commissioner Wiesen to have the building program recommendations brought before the full Board in the form of committee of the whole meetings. Motion carried.

Moved by Commissioner Kohn, supported by Commissioner Paepke to approve consent agenda items 3 through 11 and move stated action:

Ed Sell, Controller	Monthly Cash and Investment Report	Place on file

Kim Singh, Health Officer	Mid-Michigan District Health minutes 8-25-99	Place on file
MSHDA	Disaster Recovery Initiative Grant clarification	Place on file
Daniel Blough, DNR	Michigan Civilian Conservation Corps	Place on file
Ed Sell, Controller	1999 Tax Rate Request	Place on file
Ed Sell, Controller	Resolution 99-018, Dog Licenses	Place on file
Ed Sell, Controller	Resolution 99-017, Gene Jeppesen	Place on file
Ed Sell, Controller	Resolution 99-016, 2000 Budget	Place on file
Ed Sell, Controller	Parks & Recreation Commission Minutes 9-9-99	Place on file

Motion carried.

Correspondence was received from Arlene Cook, Executive Director of the Montcalm County Housing Commission. Due to the death of Mr. Arthur Newell there is a vacancy on the Housing Commission. Moved by Commissioner Baker, supported by Commissioner Lindeman to advertise the vacancy and ask interested parties to contact Ed Sell. Motion carried.

Moved by Commissioner Wiesen, supported by Commissioner Thomsen to enter into Public Hearing at 1:30 p.m. for the Solid Waste Plan Update. Roll call vote: Ayes: Commissioners Wiesen, Retzloff, Thomsen, Nelson, Paepke, Baker, Carr, Waldron Kohn, Caris, McCrackin, Walker and Lindeman. Nays: None. Motion carried.

Cynthia Winland from Spicer Group; Philip Beal and Mark Creswell from Central Sanitary Landfill; Eno Yankee, Winfield Township Supervisor; Nancy Maioho, Pierson Township Supervisor; Laura Shears, Greenville; JoAnne Vukin, Howard City; and Steve Essling, Barry County were present for the Public Hearing. Ms. Winland opened discussion on the Solid Waste Plan Update by explaining her role in the process. She explained changes made to the plan and answered questions. She informed the Board that this is the second Public Hearing that has been held on this issue. Two major changes that have occurred in the plan since the first public hearing are size and clarification of a multitude of things that the DEQ wanted changed, which is customary.

Commissioner Lindeman ask Ms. Winland about the second paragraph on page A-9. He would like the following sentence clarified: "There is some level of seasonal population in the County, but all growth is expected in the residential sector." He feels that there will be industrial growth in the county and feels this sentence is misleading and confusing. Ms. Winland explained that for the purpose of the Solid Waste Plan Update the state is not interested in industrial growth because although industry may grow, the waste does not. She will clarify that sentence in the plan.

Ms. Winland explained the process following this public hearing. After Board of Commissioner approval, the Update is distributed to all municipalities within the County. Approval is required from 2/3 of the municipalities within the County, and then the plan is sent to the DEQ for their review and approval.

Moved by Commissioner Thomsen, supported by Commissioner Lindeman to close the Public Hearing on the Solid Waste Plan Update at 2:00 p.m. Roll call vote: Ayes: Retzloff, Thomsen, Nelson, Paepke, Baker, Carr, Waldron, Kohn, Caris, McCrackin, Walker, Lindeman and Wiesen. Nays: None. Motion carried.

Moved by Commissioner Paepke, supported by Commissioner Wiesen to approve the Montcalm County Solid Waste Plan Update with the correction on page A-9 as discussed during the Public Hearing. Roll call vote: Ayes: Commissioners Thomsen, Nelson, Paepke, Baker, Carr, Waldron, Kohn, Caris, McCrackin, Walker, Lindeman, Wiesen and Retzloff. Nays: None. Motion carried.

The Board took a short recess at 2:05 p.m. The meeting reconvened at 2:15 p.m.

Moved by Commissioner Kohn, supported by Commissioner Wiesen to send Interplanetary Rock N Reggae a bill for overtime services rendered by the Sheriff Department and EMS at the September 18, 1999 concert. The Sheriff's bill is $469.31. The total for EMS is yet to be determined. Motion carried.

Moved by Commissioner Kohn, supported by Commissioner Wiesen to repeal the Mass Gathering Ordinance by whatever means is necessary.

The Law Enforcement and Courts Committee's recommendation does not include and update or replacement of the Mass Gathering Ordinance. The Committee's recommendation came after Assistant

Prosecuting Attorney, Herb Tanner, Jr., informed the committee that he does not feel an ordinance of this type is enforceable or constitutional. Commissioner Lindeman feels that due to the large drug bust that occurred at the concert some type of ordinance is needed. He also noted that something should be in effect before the current ordinance is repealed.

Commissioner Caris stated his concerns with Herb Tanner's opinion that the Mass Gathering Ordinance is not enforceable. He would like the Board to request a legal opinion from private counsel.

Moved by Commissioner Carr, supported by Commissioner Lindeman to table the motion to repeal the Mass Gathering Ordinance until the Law Enforcement & Courts Committee can utilize whatever resources needed to rewrite the Mass Gathering Ordinance. Roll call vote: Ayes: Commissioners Nelson, Paepke, Baker, Carr, Waldron, Kohn, Caris, McCrackin, Walker, Lindeman, Wiesen, Retzloff and Thomsen. Nays: None. Motion carried.

Moved by Commissioner Kohn, supported by Commissioner Lindeman to place the September 27, 1999 Law Enforcement and Courts Committee minutes on file. Motion carried.

At 2:25 p.m. Robert Brown, Director of the Montcalm Center, was present with an audio tape jointly prepared by the Michigan Association of Community Mental Health Boards and the Michigan Association of Substance Abuse Coordinating Agencies. The tape explained the state and federal plans to bid out services to persons with mental illnesses, developmental disabilities and substance abuse disorders which are now managed by the county community mental health programs and substance abuse coordinating agencies, and outlined some key issues regarding bidding these services out.

After listening to the tape Mr. Brown gave the board an update on the bid out process. He explained that the Authority status will not change. The Mental Health Authority will be at full risk, not the County. Bids will be taken in regions. Michigan will be split into 8 – 12 regions. Each region will need to have 500,000 people in it and of those people, 30,000 need to be covered by Medicaid. Mr. Brown promised to keep the Board updated as the process moves along.

Moved by Commissioner Carr, supported by Commissioner Caris to request bids on two rescue vehicles and two ambulances consistent with the 2000 fiscal year budget approval. The same specifications as last year are to be used except for the model year of the vehicles. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Thomsen to allow EMS to spend up to $300 for a printer for the Greenville Ambulance Base out of the 1999 budget. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Thomsen to transfer the Controller's Fujitsu 600C scanner to the County Clerk's office. Motion carried.

A check was received from the Howard City VFW Ladies Auxiliary for funds that were raised through a child safety seat program. Moved by Commissioner Carr, supported by Commissioner Nelson to deposit the check for $1,822.23 received from the Howard City VFW Ladies Auxiliary. The funds will be allocated as follows: $500.00 to the DARE Program, $1,000 for printing child safety related information for distribution, and $322.23 for child safety coloring books to be distributed in the Howard City Area. EMS is directed to correspond with the VFW on the use of the funds. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Nelson to transfer $5,000 from the 1999 budget to the 2000 budget in the Courthouse and Grounds Building Improvement budget for the purpose of a security door for Juvenile Probation. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Thomsen to adopt the 1999 budget amendment as prepared by the Controller. A copy is on file in the County Clerk's office. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Thomsen to approve the letter of agreement to be offered to the AFSCME union for the staffing plan proposal. The plan adds the classification of Office Assistant and changes other wage scales. A copy of the letter is on file in the County Clerk's office. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Nelson to transfer the May 1, 1999 to August 31, 1999 pension fund transfer for funds other that the General Fund and the May 1, 1999 to September 30,

1999 pension fund transfer for the General Fund. Total transfer is $53,215.15. A copy is on file in the County Clerk's office. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Nelson to approve the 1999 retention vault rental allocation of $3,740.00. A copy of the allocation is on file in the County Clerk's office. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Paepke to pay claims in the amount of $251,464.80. Motion carried.

Moved by Commissioner Carr, supported by Commissioner Paepke to place the September 27, 1999 Finance and Personnel Committee minutes on file. Motion carried.

Ed Sell informed the Board that the COA storage building lease addendum has been signed and executed. The Board needs to decide whether to ask for bids or get proposal and move ahead with construction. Project is budgeted for $5,000. Moved by Commissioner Lindeman, supported by Commissioner Caris to allow proposals to be gathered and the COA storage building to be built. Motion carried with Commissioner Carr voting no.

Moved by Commissioner Caris, supported by Commissioner Lindeman to direct Ed Sell to send the proposed contract from Landmark Design Group and Wigen, Tincknell, Meyers & Associates to the attorney handling the construction design contract. Motion carried.

Snow plowing bid specifications were submitted to the Board for their review and approval. Corrections were made to the specifications. Moved by Commissioner Paepke, supported by Commissioner Caris to approve the specifications for snow plowing as corrected. A copy of the specifications are on file in the County Clerk's office. Motion carried.

Ambulance bids were opened and read. Bids were received from:

	1993 Vehicle	1994 Vehicle
BobWitzel, Stanton	$265.00	$1,126.00
Tom VanEtten, Bannister	$820.00	$3,620.00
Michael Denman, M & M Wrecker, Stanton	$1,526.00	$2,501.00

Moved by Commissioner Caris, supported by Commissioner Retzloff to award the 1993 Cab – Chassis EMS unit Bid to Michael Denman, Stanton, in the amount of $1,526.00 and the 1994 EMS unit to Tom VanEtten, Bannister, in the amount of $3,620.00. Motion carried.

Moved by Commissioner Paepke, supported by Commissioner Wiesen to approve the September 13, 1999 2:00 p.m. and 2:30 p.m. Executive Session minutes. Motion carried.

Public comments were offered and none were given.

Moved by Commissioner Wiesen, supported by Commissioner Lindeman to adjourn at 3:15 p.m. Motion carried.

Kristen Millard, County Clerk

Roger D. Waldron, Chairman

SOLID WASTE MANAGEMENT
PLANNING COMMITTEE
M I N U T E S

Thursday, October 21, 1999, 4:00 p.m.
Jack Van Harn Commissioners Room, Main Courthouse

Members Present: Carl A. Paepke
Sally Thomsen
Don Meister
Nancy Maioho
Tom Ledger
Jim McMullen

Members Absent: Ruth Grinbergs
Mark Creswell
Joann Gould
Dean King
Warren Wells
Gary Douthett
Gary LaPorte
Laura Shears

Staff Present: Ed Sell

Others Present: Bob Perry
Donna Paepke

No meeting was held due to a lack of quorum.

MONTCALM COUNTY
OFFICE OF THE COUNTY CONTROLLER

211 W. MAIN ST.
P.O. BOX 368, STANTON, MI 48888
(517) 831-7300
FAX (517) 831-7375

January 8, 1999

The Daily News
109 N. Lafayette Street
Greenville, MI 48838

Attn: Janie

Please publish the following "Display Ad" in your daily paper for three (3) days on Monday, Tuesday, and Wednesday, January 11, 12, and 13, 1999.

"NOTICE OF PUBLIC HEARING

The Montcalm County Solid Waste Management Planning Committee will hold a public hearing on January 25, 1999 at 7:00 p.m. The purpose of the public hearing will be to receive public comment on the update to the Montcalm County Solid Waste Plan. Public comment will be accepted in person or in writing. Persons wishing to submit comment in writing should deliver their comments to the Office of the County Controller, P.O. Box 368, Stanton, MI 48888 by January 25, 1999 at 5:00 p.m. The public hearing will be held in the Circuit Courtroom of the main courthouse at 211 W. Main Street, Stanton, Michigan. Persons wishing to view the plan update may do so at the Office of the County Controller, Monday through Friday, from 8:00 a.m. to 5:00 p.m. beginning January 11, 1999.

Edward J. Sell Jr.
County Controller"

Please furnish an affidavit of publication. Thank you.

Sincerely,

Edward J. Sell Jr., CPA
County Controller

MONTCALM COUNTY
OFFICE OF THE COUNTY CONTROLLER

211 W. MAIN ST.
P.O. BOX 368, STANTON, MI 48888
(517) 831-7300
FAX (517) 831-7375

March 4, 1999

Jim Johnson
Michigan Department of Environmental Quality
Waste Management Division
P.O. Box 30241
Lansing, MI 48909-7741

Dear Mr. Johnson:

The Montcalm Solid Waste Management Planning Committee has completed the draft version of the Montcalm County Solid Waste Plan. As required by state law and as part of the Solid Waste Plan update process, a copy of this Plan is being sent to you for your comments.

The 90-day public comment period begins today. Comments may be sent to the Solid Waste Management Planning Committee, c/o Edward Sell, 211 W. Main Street, P.O. Box 368, Stanton, MI 48888 until 5:00 p.m. on June 4, 1999. Following the close of the public comment period on June 4, 1999, the Montcalm County Board of Commissioners will review the Plan and take action on it. Each municipality in the County must also review the Plan and take action on it following the Board of Commissioner's review and action.

Thanks very much for your cooperation and interest in solid waste management for Montcalm County. Please call me at (517)831-7300 if you have any questions or concerns.

Sincerely,

Edward J. Sell Jr., CPA
County Controller

MONTCALM COUNTY
OFFICE OF THE COUNTY CONTROLLER

211 W. MAIN ST.
P.O. BOX 368, STANTON, MI 48888
(517) 831-7300
FAX (517) 831-7375

DATE: August 24, 1999

TO: All Township Supervisors

FROM: Ed Sell, County Controller

SUBJECT: Public Hearing

NOTICE OF PUBLIC HEARING

The Montcalm County Board of Commissioners will hold a public hearing on September 27, 1999 at 1:30 p.m. The purpose of the public hearing will be to receive public comment on the update to the Montcalm County Solid Waste Plan. Public comment will be accepted in person or in writing. Persons wishing to submit comment in writing should deliver their comments to the Office of the County Controller, P.O. Box 368, Stanton, MI 48888 by September 27, 1999 at 12:00 p.m. The public hearing will be held in the Jack Van Harn Board Commissioners Room of the main courthouse at 211 W. Main Street, Stanton, Michigan. Persons wishing to view the plan update may do so at the Office of the County Controller, Monday through Friday, from 8 a.m. to 5 p.m. beginning August 26, 1999.

MONTCALM COUNTY
OFFICE OF THE COUNTY CONTROLLER

211 W. MAIN ST.
P.O. BOX 368, STANTON, MI 48888
(517) 831-7300
FAX (517) 831-7375

DATE: August 24, 1999

TO: All City and Village Clerks

FROM: Ed Sell, County Controller

SUBJECT: Public Hearing

NOTICE OF PUBLIC HEARING

The Montcalm County Board of Commissioners will hold a public hearing on September 27, 1999 at 1:30 p.m. The purpose of the public hearing will be to receive public comment on the update to the Montcalm County Solid Waste Plan. Public comment will be accepted in person or in writing. Persons wishing to submit comment in writing should deliver their comments to the Office of the County Controller, P.O. Box 368, Stanton, MI 48888 by September 27, 1999 at 12:00 p.m. The public hearing will be held in the Jack Van Harn Board Commissioners Room of the main courthouse at 211 W. Main Street, Stanton, Michigan. Persons wishing to view the plan update may do so at the Office of the County Controller, Monday through Friday, from 8 a.m. to 5 p.m. beginning August 26, 1999.

Proof of Publication

Amy O'Brien, Advertising Director for STAFFORD COMMUNICATIONS GROUP, Publishers of THE DAILY NEWS, Greenville, circulated in the Counties of Montcalm and Ionia, State of Michigan, being duly sworn, deposes and says that the following listed advertisements have been printed, published and circulated in each issue of each listed date.

This advertising was ordered by:
EDWARD SELL

Published on the dates of 8-26 27 28
Amount $ 190 50

Signed: Amy O'Brien

Subscribed and sworn before me this 1
day of Sept A.D. 19 99.

Victoria M. Brown
Victoria M. Brown
Notary Public, Montcalm County, Michigan
My Commission expires

VICTORIA M. BROWN
Notary Public, Montcalm Co., MI
My Commission Expires 9/14/2001

"NOTICE OF PUBLIC HEARING

The Montcalm County Board of Commissioners will hold a public hearing on September 27, 1999 at 1:30 p.m. The purpose of the public hearing will be to receive public comment on the update to the Montcalm County Solid Waste Plan. Public comment will be accepted in person or in writing. Persons wishing to submit comment in writing should deliver their comments to the Office of the County Controller, P.O. Box 368, Stanton, MI 48888 by September 27, 1999 at 12:00 p.m. The public hearing will be held in the Jack Van Harn Board Commissioners Room of the main courthouse at 211 W. Main Street, Stanton, Michigan. Persons wishing to view the plan update may do so at the Office of the County Controller, Monday through Friday, from 8 a.m. to 5 p.m. beginning August 26, 1999.

Edward J. Sell Jr. CPA
County Controller"

8/28
3921-0628

PUBLIC PARTICIPATION

Municipality	Date	Adopted
Belvidere Township		Yes
Bloomer Township	02/11/00	Yes
Bushnell Township		No
Cato Township	11/01/99	Yes
Crystal Township	12/08/99	Yes
Day Township	11/08/99	Yes
Douglass Township	11/05/99	Yes
Eureka Township	10/11/99	Yes
Evergreen Township		Yes
Fairplain Township		No
Ferris Township	01/04/00	Yes
Home Township		Yes
Maple Valley Township	11/08/99	Yes
Montcalm Township	11/03/99	Yes
Pierson Township	11/02/99	Yes
Pine Township	10/18/99	Yes
Reynolds Township	01/06/00	Yes
Richland Township		Yes
Sidney Township	11/01/99	Yes
Winfield Township	10/14/99	Yes
Carson City	11/16/99	Yes
Greenville City	10/19/99	Yes
Stanton City	11/04/99	Yes
Edmore Village	10/25/99	Yes
Howard City	10/25/99	Yes

The Montcalm County Controller's Office is responsible for publishing public notices and carrying out reciprocal agreement negotiations and procurement.

RESOLUTION No_____

CORWIN moved, and
VAN HERP seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Belvidere Twp approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Belvidere Twp Board approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Sheila Smith, Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: DeLanatea, Corwin, Van Herp, Stuk, Smith

Nays:_____

RESOLUTION ADOPTED

58302.06

12-10-98

RESOLUTION No 1-00

TOM GALLAGHER moved, and
MIKE KANGER seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that BLOOMER TWP. approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED BLOOMER TOWNSHIP approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the BLOOMER TWP. Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: TOM GALLAGHER, GARY SEAT, PHIL MCKINLEY, MIKE KANGER

Nays: NONE

RESOLUTION ADOPTED JANUARY 11, 2000

58302.06

J. Michael Ranger
Bloomer Township Clerk
8969 Crystal Road
Carson City, MI 48811

BLOOMER

2-8-2000

TOWNSHIP OF CATO

MONTCALM COUNTY

LAKEVIEW, MICHIGAN 48850

Office Of The Clerk
November 2, 1999

County Controller
Edward Sell Jr.
PO Box 368
Stanton, MI. 48888

Edward Sell Jr.

RE: Montcalm County Solid Waste Plan.

Certification of Cato Township approval of County Plan.

I Louis Morse, Duly Elected Clerk of Cato Township, do Hereby Confirm the Following Resolution was presented and passed at the November 1, 1999 regular meeting of the Cato Township Board.

Morse moved THAT LET IT HEREBY BE RESOLVED: that the Cato Township Board accept the Montcalm County Solid Waste Plan as presented to us, Behrenwald supporting. BY ROLL CALL VOTE: Ayes, Behrenwald, Morse, Gilbert, Scott. Nays: None: Absent, Molitor: Supervisor Gilbert declared the RESOLUTION CARRIED & APPROVED.

Signed & Sealed this 2ND Day of November, 1999

Louis Morse

Louis Morse
Cato Township Clerk

CRYSTAL TOWNSHIP
MONTCALM COUNTY SOLID WASTE PLAN RESOLUTION

Dennis Lance moved, and Mary Jane Bills Seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq.) required Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan"):

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which is has requested that Crystal Township approve;

WHEREAS, Pat 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED, Crystal Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED, that the Crystal Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Lance, Bills, Helmer, Powell, and Hagerman.

Nays:_____

RESOLUTION ADOPTED

DECEMBER 8, 1999

Nan Hagerman

Nan Hagerman
Crystal Township Clerk

1-7-2000

RESOLUTION No_____

Marilyn Parr moved, and
Deborah Baker seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Day Township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Day Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Day Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: James Baker, Deborah Baker, Marilyn Parr, David Kemler, and Eugene Fredrickson

Nays:_____

RESOLUTION ADOPTED 11/8/99

58302.06

Deborah Baker
Day Township Clerk

RESOLUTION No 10

SCOTT MILLARD moved, and TOM JEPPESEN seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that DOUGLASS TWP. approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED DOUGLASS TOWNSHIP approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the DOUGLASS TWP. Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: 5

Nays: 0

RESOLUTION ADOPTED

58302.06

11-5-99

RESOLUTION: APPROVAL OF THE MONTCALM COUNTY SOLID WASTE PLAN

Trustee Rodney Roy moved, and Trustee Dennis Hayes seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Eureka Charter Township approve;

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

NOW, THEREFORE, BE IT RESOLVED, that Eureka Charter Township approves the Plan Update as presented by the Montcalm County Board of Commissioners; and

BE IT FURTHER RESOLVED that the Eureka Charter Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

YEAS: 7

NAYS: 0

RESOLUTION ADOPTED OCTOBER 11, 1999

CERTIFICATION

I, Candace W. Larkin, the duly elected and acting Clerk of Eureka Charter Township, hereby certify that the foregoing Resolution was adopted by the Township Board of said Township at the Regular Meeting of said Board held on October 11, 1999, at which meeting a quorum was present and voting.

Signed:

Candace W. Larkin

Candace W. Larkin, Clerk

Evergreen Twp

RESOLUTION No_____

W. Lane moved, and
B. Wagner seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that we approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Evergreen Twp. approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Twp Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: 5

Nays: 0

RESOLUTION ADOPTED

58302.06

RESOLUTION No 1-2000

Arthur Stratton moved, and
Lynda Stratton seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Ferris Township Board approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: FOUR (4) Art Stratton + Lynda Stratton + Mary Card + Brian Stratton
Absent - John Card

Nays: NONE (0)

RESOLUTION ADOPTED
January 4th, 2000,
Mary L. Card - Clerk

58302.06

MARY L. CARD
FERRIS TOWNSHIP CLERK
2511 DOUGLAS ROAD
RIVERDALE, MI 48877
PHONE: (517) 235-4579

RESOLUTION No 99.15

Longnecker moved, and Stratton seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Home Twp. approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Home Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Linton, Stratton, Jordan, Doser and Longnecker.

Nays: None

RESOLUTION ADOPTED

58302.06

11-17-99

Maple Valley Township
Montcalm County
Coral, Michigan 49322
616-354-6774

November 10, 1999

Montcalm County
Office of the County Clerk
211 W. Main St.
P.O. Box 368
Stanton, Michigan 48888

Attention: Kristen Millard
County Clerk

Dear Kris:

Enclosed is a Resolution from Maple Valley Township on the Solid Waste Plan. Also a copy of the minutes of the meeting on 11/8/99 when we adopted the plan.

Sincerely,

MAPLE VALLEY TOWNSHIP
Josephine Sears, CMC
Maple valley Township Clerk

Encl.

RESOLUTION No. 110899

Maguire moved, and Sears seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan").

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Maple Valley township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Maple Valley Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Maple Valley Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk

YEAS, Grassley, Maguire, Krantz, Miller, Sears.
NAYS - none.

RESOLUTION ADOPTED

The regular meeting of the Maple Valley Township Board met November 8, 1999 at the Township hall in Coral.

The meeting was called to order at 7:00 PM by Supervisor Grassley with the Pledge of Allegiance.

The minutes of the October 11, 1999 meeting was read

MOTION Maguire seconded Krantz to accept the minutes as read. carried.

ADDITIONS TO AGENDA - none

ROUND TABLE

DON HUBBARD - told us the headstones that had been tipped over in the Coral cemetery has been set up .Some muching has been done. There is a dead tree at the Trufant ball diamond and Don and Milo will cut it down.

JEFF REYNOLDS - would like to get back on the Fire Dept. He will have to talk to Gary

GERALD WILSON - wondered about the berms being brought back on the roads. The Road Commission will probably work on that in the spring.

CARL PAEPKE - told us Kate Harris died Sunday, viewing is Tuesday, funeral Wednesday. Also Peggy Nelson is very ill.

REPORT FROM PLANNING - The Chairman wasn't present, the Secretary, Bob Johnson was there and he told us the Planning Commission recommended approval of the Stimer sale to the Board. Larry Nix from Williams and Works was present and told them there were a few chapters of the Master Plan that needed reviewing and that could be done over the winter., Otherwise the Master Plan was still in good shape. Teunissen's were at the meeting and wanted to plat some land, they were told the Land Division Act could apply.

REPORT FROM ZONING ADMINISTRATOR - Frank said he issued one permit #10-39. The Lumber yard problem is now between the attorneys, Travis' and ours.

REPORT FROM ASSESSOR -She was in Stanton today and got more section maps. Debbie is working on splits for Maple Valley now. Pat would like the Board to make a Resolution to vacate 3rd. st. from A to E st. in Trufant. Her computer will not hold the program for the year 2000. She picked up 3 building permits for October. Everyone should have a permit to put up a building. This would prevent having buildings placed in the wrong places, like to close to the road.

COMMUNICATIONS:

Michigan Towsnhips Association - Right to Farm Act

Right to Farm act would eliminate the Townships right to make some ordinances. .

Roberts Co., Inc. - EMS magazine

Roberts Co., Inc. - FIRE magazine

Montcalm Co. - Office of County Controller - Information Technology for Intergovernmental Cooperation

Fleis & Vandenbrink Engineering - Newsletter

U.S.Fire Administration - Newsletter

RESOLUTION No_____

RobertLewis moved, and
Alan Leitch seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Montcalm Township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Montcalm Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: R. Lewis, A. Leitch, L. Engle, K. Baird, D. Fountain

Nays: 0

RESOLUTION ADOPTED

58302.06

Karen Baird, Montcalm Township Clerk

11-15-99

MINUTES
MONTCALM TOWNSHIP BOARD MEETING
NOVEMBER 3, 1999

Present: R. Lewis, K. Baird, D. Fountain, L. Engle, A. Leitch

Call To Order: 7:02 P.M.

Pledge to the American flag was led by R. Lewis. A presentation by a representative of the Montcalm County Fairboard by member Lisa Johnson informed the board that the fairboard is looking at property in Montcalm Township for a new fairgrounds. Lewis stated that the planning commission would deal with any land use issues concerning this issue.

Motion by Leitch, 2nd by Engle to approve the agenda. Voice vote-motion carried.

Motion by Fountain, 2nd by Engle to approve the minutes of the Oct. 6, 1999 regular meeting of the township board. Voice vote-motion carried. **Motion** by Fountain, 2nd by Engle to approve the minutes of the Nov. 1, 1999 special board meeting of the township board. Voice vote-motion carried.

Treasurers report given orally and written by Fountain. **Motion** by Leitch, 2nd by Baird to approve treasurers report. Voice vote-motion carried.

Motion by Leitch, 2nd by Fountain to pay the bills as presented by clerk. Voice vote-motion carried.

Committee Reports:

1. Planning commission- oral and written report by J. Johansen. Request for purchase of township magazine and planning and zoning guide for each member of planning commission.
2. Zoning Board of Appeals- no action
3. Fire Department-oral report by DuBay, written report by Reinke. Notification that fire department spent 192.02 more on repairs for truck #6 than was approved.
4. Cemetery - T. Irish reported that fall clean-up is underway and cemeteries are officially closed.
5. Library-oral report by L. Coles. Next library board meeting November 10, 1999. Request to reappoint J. Spry to library board.
6. Attorney-letter from R. Palmer stating he would like to attend the attorneys institute at the MTA convention since it is in Lansing. Request for payment of fees for seminar.
7. Zoning Administrator- oral report by E. Sebald Question as to refund for certain fees for permits not used.

Motion by Baird, 2nd by Leitch to approve committee reports. Voice vote-motion carried.

Old Business:

1. Assessor replacement-Lewis informed and requested approval to contract with Debra Rashid for assessing services. Her fee is $7.00/parcel . Recommendation to pay her $1,100 per month until March 31, 2000 and then contract for services from April 1 to March 31 thereafter. Contract to contain a 30 day out clause for either party. Also she recommends a complete reassessment of the township which will cost approx $22,000. This was also recommended by other candidates. **Motion** by Leitch, 2nd by Baird to approve contract with Debra Rashid for assessor. Voice vote-motion carried.
2. Payment to previous assessor-recommendation from Lewis that $4,000 payment plus $10.00 for each completed land split be made to estate of Eldon Christensen. **Motion** by Leitch, 2nd by Engle to pay estate of Eldon Christensen $4,000 plus $10.00 for each completed land split. Voice vote-motion carried.

3. Snowplow bids- One bid submitted by Irish Lawncare in amount of $90.00 per plow including shoveling of walks. Copy of current liability insurance included. **Motion** by Leitch, 2nd by Engle to approve Irish Lawncare for snowplowing serviced for 1999-2000 snow season at rate of $90.00 per plow plus walk shoveling. Voice vote-motion carried.
4. Picnic Shelter -no bids received as yet. Lewis will contact companies for bids.
5. New copier- the new copier is installed and working. No invoice has been received as yet.
6. Assessing software-there are problems with installation of this software. We have been invoiced but consensus was to withhold payment until software is usable.

New Business:

1. County solid waste plan- Lewis offered resolution " to approve and accept the Montcalm County Solid Waste Plan." Second by Leitch. Roll call vote- Lewis-yes, Baird-yes, Fountain-yes, Engle-yes, Leitch-yes. Resolution carries.
2. ZBA appointment- Recommendation of Lewis to appoint Bruce Bretzke Sr. to ZBA Question as to qualifications. Lewis stated that Bretzke is a former county commissioner in Crawford county with experience in land uses and zoning. **Motion** by Fountain, 2nd by Leitch to appoint Bretzke to ZBA. Voice vote-motion carried.
3. Discussion of a new committee approached by Lewis. Feels that we need a recreational use committee to examine uses for recreation within the township and on the complex grounds. Offer of chairmanship to Ron Wood due to his extensive tenure in the township and experience with recreational issues. Wood requested the purpose of the committee and its job. Lewis stated that he would enjoy discussion and input from Wood to set goals for committee.
4. Carpet cleaning- **Motion** by Engle, 2nd by Leitch to contact Reflections Cleaning Service to clean carpets and hard floors. Voice vote-motion carried.
5. PA116 Request- a request by Ray Christensen to place an additional parcel in PA 116 with attendant application and copy of deed received by board. **Motion** by Leitch, 2nd by Fountain to allow Christensen to place said parcel in PA 116. Voice vote-motion carried.
6. **Motion** by Baird, 2nd by Leitch to reappoint Joan Spry as the Montcalm Township representative to the Flat River Community Library Board. Voice vote-motion carried.
7. **Motion** by Baird, 2nd by Leitch to purchase magazine subscriptions and Planning and Zoning guide books for each member of the Planning Commission. Voice vote-motion carried.
8. **Motion** by Baird, 2nd by Fountain to approve additional $200.00 for repairs to fire truck #6. Voice vote, motion carried.
9. **Motion** by Engle, 2nd by Baird, to approve payment of attorney seminar fees for R. Palmer for MTA convention in January. Voice vote-motion carried.
10. Discussion of SB # 205 and letter from J. Emmons regarding her stance on the bill. Consensus that this bill cannot be supported by us and the clerk will send a letter to Emmons regarding our stance on the bill.

Public Comment: None

Motion by Leitch, 2nd by Engle to adjourn meeting. Voice vote-motion carried. Meeting adjourned at 9:08 P.M.

Respectfully submitted,

RESOLUTION No 99-10

William Paepke moved, and George Bradley seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Pierson Twp. approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Pierson Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Bradley, Vukin, Maioho, Paepke

Nays: None

RESOLUTION ADOPTED

58302.06

Brooke E. Bowen

138

Minutes of Regular Meeting
November 2, 1999 Township Board
Held at Pierson Township Hall
Pierson Township, County of Montcalm

Meeting called to order at 7:10 p.m.

Present: Nancy Maioho, William Paepke, George Bradley, Scott Vukin
Absent: Brooke Bowen
Minutes recorded by: Cynthia Caldwell, Deputy Clerk

Meeting Agenda: Add items XIV. Opper Bill/Starr Survey; XV. Township News Letter; and XVI. Postage Stamps. Motion: Bradley; Second Vukin 4/0

Consent Agenda: **Minutes of 10/05/99**: Corrections: Offered by Paepke/Maioho: "The Township Board denied appeal to rezone property owned by Dale Longcore from Ag to Commercial. The Board advised Mr. Longcore of other options for use of the property." Offered by Vukin: "The $25.00 which is charged presently is not covering the costs of processing many of the permits."
Treasurer's Report: $48,591.88
Bills to be Approved: withhold payment on for Weed Control and delay payment of Mika, Myers, Beckett & Jones. Motion: Paepke; Second Bradley; Maioho-yes; Paepke-yes; Vukin-yes; Bradley-yes.
4/0

Correspondence was read to the audience. Committee Reports
Planning Commission - S. Vukin. Montcalm Center "under construction"; Meadowvale plat: final approval; Communications Tower: "no show".
Zoning Board of Appeals - no meeting
Sewer Advisory Committee - meeting scheduled for 11/22 at Co. Drain Commission
Solid Waste Committee - meeting scheduled for 12/2 at 4:00
Road Committee - meeting scheduled for first Saturday in December (12/4)

Public Comment was held.

Solid Waste Resolution: Motion to adopt: Paepke, Second Bradley. Bradley-yes; Vukin-yes, Maioho-yes, Paepke-yes. 4/0

Meadowvale Site Review: Motion for Preliminary Approval: Vukin; Second Maioho. Paepke-yes, Maioho-yes, Bradley-yes, Vukin-yes. 4/0 Motion for Final Approval: Paepke; Second Bradley. Maioho-yes, Bradley-yes, Vukin-yes, Paepke-yes. 4/0

Revised Fee Schedule: Board Discussion.

RESOLUTION

MARCIA CRAWFORD moved, and
DOROTHY JENSEN seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Pine Twp. approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED PINE TOWNSHIP approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Pine Twp. Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: 5

Nays: 0

RESOLUTION ADOPTED
October 18, 1999
Doris J Swem, Clerk

10-29-99

PINE TOWNSHIP BOARD MEETING - October 18, 1999

Pine Township Board Meeting was held at the Township Hall on October 18, 1999 at 7 P.M.

Board members present were Edwin Hansen, Doris Swem, Linda Baie, Marcia Crawford and Dorothy Jensen.

Meeting was called to order by Supervisor Hansen with pledge to the flag followed by prayer.

Minutes of the last meeting were read and approved as read.

Treasurer reported a balance of $7,333.70 in the General Fund and $79,289.36 in the Super Fund.

Peggy Nelson, our County Commissioner, is in the Hospital, therefore unable to attend our meeting tonight.

Marcia Crawford made a motion, supported by Dorothy Jensen, to approve a Land Division Application from Lossin Lake, P#5901601902000 &#5901601900900. Motion carried.

Dorothy Jensen made a Motion, supported by Linda Baie, to raise the Cemetery lot prices to $100 per lot for Pine Township residents and $200 per lot, plus $100 perpetual care, for non-residents. Motion carried.

Doris Swem made a motion, supported by Linda Baie, to add the Deputy Treasurer's name to the Super Fund and General Fund Bank Accounts at the Bank of Lakeview. Motion carried.

Marcia Crawford made a motion, supported by Dorothy Jensen, to adopt a Resolution to approve the Solid Waste Management Plan Update as presented by the Montcalm County Board of Commissioners. Roll Call Vote, All yes. Motion carried. Copy of Resolution is attached to these minutes.

MTA meeting tomorrow night at Fenwick UMC. Four reservations have been made.

Ed Hansen reported on the Road Committee meeting. Roads they are recommending to be fixed in 2000 are: McBride Rd from 91 to just past Melva Johnson's; Fitzner Rd from McBride just past Evans; Youngman North of Kendaville: Spring Rd from 91 to bottom of hill; Dickerson Lake Rd, Pine Township half; Cannonsville Rd west of 91; and Brine 3 times.

Motion by Ed Hansen, supported by Dorothy Jensen, to approve the attendance of any of the Board who wish to attend the Annual Conference which will be held in Lansing this year. Motion carried.

Doris Swem made motion to approve the $175 fee that Linda Baie paid to go to a BS&A Class on Tax Collection at Okemos. Supported by Marcia Crawford. Motion carried.

Linda Baie discussed having a Liquor Control Ordinance written up. Tabled for further discussion.

Bills were presented and motion was made by Linda Baie, supported by Marcia Crawford to pay bills as presented and also approve the bill for voting machine maintenance for $360, which would come before our next meeting. Roll Call Vote. All yes. Motion carried. Checks #4361 through 4375 for a total of $6,612.14.

Meeting adjourned at 8:35 P.M.

Doris J Swem, Clerk

RESOLUTION No 2000-1

Charles Halterman moved, and Jerry Disler seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Reynolds Township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Reynolds Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Reynolds Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Hauenstein, Halterman, Hill, Disler

Nays: Christiansen

RESOLUTION ADOPTED

58302.06

I, Margaret E Hill, the Clerk of Reynolds Township, hereby certify that on the foregoing resolution was apopted at a regular township board meeting on January 6, 2000.

Margaret E Hill/ Clerk

1-10-2000

Brantley moved, and Callison seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Richland Township approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE BE IT RESOLVED Richland Township approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Richland Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Paula Patterson, Susan Brantley, Cal Callison

Nays: Tom Wright, Jack Throop

RESOLTION ADOPTED

Susan A. Brantley
Richland Township Clerk
Resolution 2-99

RESOLUTION No 11/99

BELLOWS moved, and
PETERSEN seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that SIDNEY TOWNSHIP approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED SIDNEY TOWNSHIP approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the TOWNSHIP Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: BELLOWS, EK, PETERSEN, THOMSEN, PETERMAN

Nays: NONE

RESOLUTION ADOPTED

58302.06

November 1, 1999

The meeting was called to order by Supervisor Peterson at 7 P.M. All board members were present. The minutes of the last meeting were read. Ek moved to accept the minutes as read, Peterson supported. All in favor motion carried. Jason Shaffer was present to ask the Board about having a car cleaning & detailing business at his residence. The Board recommended talking with his neighbors. Derby Lake residents were present. get an update on noise ordinance and funneling limit on the lakes within the township. Mark Austin was present to receive an update on possible township trash pick-up and new blacktopping of roads. Treasurer Peterson reported a balance on hand as of 11/1/99 of $150,702.92. Thomson moved to accept the treasurers report, Billows supported all in favor, motion carried. Bills were read. Peterson moved to pay the bills, Ek supported. Roll call vote, all in favor, motion carried. The Board decided to contact Four Seasons Extermination to check for termites in the hall. Clean out of the Denmark Drain, Branches 7, 8, 9 were discussed. Ek gave a report concerning Langworthy, LeBlanc, Inc. Consultants. Ek moved to retain Langworthy, LeBlanc, Inc Consultants to rewrite zoning and special use ordinance. Billows supported Roll call vote all in favor, motion carried. Possible candidates for the Planning Commission were discussed. Billows moved to adopt a resolution to approve the Manitowoc County Solid Waste Management Plan, Peterson supported, Roll Call vote, all in favor, motion carried. Snow plowing bids were discussed. Thomson moved to accept Roger Peterson bid, Peterson supported. Roll call vote, all in favor motion carried. Thomson moved to adjourn the meeting, Peterson supported. All in favor, motion carried. Meeting adjourned.

RESOLUTION No 4-99

Caroll Farrington moved, and Pat Hyde seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Winfield approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Winfield Twp. Board approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Township Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Pat Schuster, Eno Yanke, Les Noakes, Caroll Farrington, Patricia Hyde

Nays: -0-

RESOLUTION ADOPTED Date Adopted 10-14-99

58302.06

Winfield Township Board met for there regular meeting on October 14, 1999 at the Winfield Township Hall, Amble, at 7:30 p.m. Board members present were Supervisor Eno Yanke, Clerk Pat Hyde, Treas. Caroll Farrington, Trustees, Les Noakes and Patrick Schuster.

APPROVAL OF AGENDA: Trustee made additional topic of Marble road in New Business

CLERKS REPORT: Minutes were presented and approved as presented. Clerk reported that county has hired a NY state company to do Maintanence of Voter Machines in Montcalm county at $90 per machine, Clerk requested that ours be looked at. Les move to Have them checked out for maintenance. Pat S. seconded, Motion passed. Clerk had questions answered by auditor.

TREASURER REPORT: Presented balance sheet and many other reports. Will use transaction report as a monthly report. Les move to accept treasurer's report, Pat S. Seconded, motion passed. Attached.

PUBLIC COMMENT: None

REPORTS:

Fire: No runs, Generator need repair, Pat will get estimate. eight SCBA's were serviced 6 of 8 were good, two are being fixed.

Park & Cemetery: none

Zoning Meeting: One violation sent out. Z&P meeting are coming along.

Assessor: gave a verbal report, going smoothly.

OLD BUSINESS:

Township Policy: will go over at end of meeting.

NEW BUSINESS:

Weatherby & Kohler Drain Assessment: Big drain and township will have share in cost.

Solid Waste Plan: Caroll Farrington move and Pat Hyde Sec to approve the Montcalm County Solid Waste Management Plan All ayes, motion passed.

Roads: Trustee Schuster reported that an resident would like a letter written to Road Commission to recommend the speed lowered and posted to 35 mph on Marble Road, south of Almy.

Discussion of future building of hall and firebarn, requested clerk and Supervisor to meeting with local resident to discuss acquiring more land. Pat S move, Pat H. sec motion passed.

PAYMENT OF BILLS: Check no. 4047-4063

Township policy was worked on.

Pat S move to adjourn the meeting at 10:10 Patricia Hyde, Clerk

V I L L A G E O F E D M O R E

A Heartland Community

Resolution by the Edmore Village Council

Moved by Trustee Dodson, Supported by Trustee Dobbrastine to adopt the following:

Whereas, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et. seq.) Requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

Whereas, Montcalm County has adopted such a plan and recently adopted a Plan Update, which it has asked the Village of Edmore to approve;

Whereas, Part 115 requires two/thirds of the local units of government within the County to approve any new plan or plan update;

NOW, THEREFORE, BE IT RESOLVED THAT, the Village of Edmore approves the Plan Update as presented by the Montcalm County Board of Commissioners;

YEAS: 6
NAYS: 0
ABSENT: 1

RESOLUTION ADOPTED

The regular session of the Village of Edmore Council was called to order on October 25, 1999 at 7:30 P.M. in Village chambers by President Rick Perkins.
Present: Trustees John Heron, Jerry Dobbrastine, Carol Dodson, Janet Kohn, Karl Kluwe, Treasurer Mary Ann Nye, Clerk Shirley Drain
Absent: Trustee John Moore
Also Present: Village Manager Eric Dodson, DPW Supervisor Charles Burr, Guest.

MINUTES

No correction or additions were made to minutes of the October 11, 1999 regular session. Minutes were approved as printed.

PRESIDENTS REPORT

Perkins inquired about Village personnel involvement in rental of the Curtis Building. It was explained that a Village employee takes the reservations and rental monies and returns the deposits based on information from the caretaker of the building. Historically employees have done this in return for the offices being housed in the Curtis Building. Most problems stem from deposits not being returned to renters. No action taken.

COMMUNITY SIGN

Duane Bohne present to request the old community sign for the Old Fence Rider Museum, if and when the Village has no further use for it. He explained that the sign would be placed on museum property by the building. Prices are being sought for a new two-sided sign.

Moved by Kohn, supported by Heron, CARRIED, that when the Village has no further use for the community sign, that it be sold to the Old Fence Rider Museum for $1.00.
Yeas 6 Nays 0

MISCELLANEOUS - Village Manager

WATER/SEWER EXTENSIONS - There are possible grant applications to extend water/sewer north on Neff Road and Wyman Road. There is loan money available through DEQ at 2.5% for 30 years with no match required, and there may be other grant money available.

FIRST STREET GRANT - A presentation will be made soon to the Rural Task Force Board on the project.

STREETSCAPE - The general contractor will be in the Village to clean the bricks and finish up. Electricians are working on the two lights that were out.

WELLHEAD PROTECTION - A meeting is set with DEQ regarding the number of wells that will be needed.

COUNTY INFORMATION SYSTEM - A bill will be coming for Edmore's share of the grant match for the project. Committees are being formed to identify information that is needed. Village ordinances and other information can be a part of this information.

COUNTY WASTE PLAN

Montcalm County has submitted the County Waste Plan for approval. Dodson has reviewed the plan, there are few changes mostly updating the plan and including wording about recycling. Edmore has always supported the county plan.

Moved by Dodson, supported by Dobbrastine, CARRIED, to adopt the resolution to approve the Solid Waste Management Plan Update submitted by Montcalm County Board of Commissioners. Yeas 6 Nays 0

MISCELLANEOUS

RENAISSANCE ZONES - The application to add areas south of the Industrial Park is being submitted to the state.

M-46 WATER LINE - The line has been active for one year at the end of the month. Contractors will be in to do some final ground work, repair a remote reader, and finish work before the guaranty expires.

PLANNING COMMISSION - The Commission has approved an amendment to the Family Health Center construction plan to increase the size of the building. It will include other services. A Special Use permit has been requested at 125 S. Fifth St. To allow three apartments in the building.

MILLENNIUM CAPSULE - The President of the Women's Club has requested articles to be placed in a capsule in the part. The project is just underway. No action taken.

COMMUNITY SIGN

Manager Dodson reported that computerized signs are very expensive. It was suggested that materials could be purchased and a two sided sign constructed, that would be designed much like the old sign. Agreed that Perkins will draw up specs for a sign, and that a price for materials should be gotten.

BILLS

Moved by Kluwe, supported by Dodson, CARRIED, to approve payment of the bills as presented. Yeas 6 Nays 0

Council adjourned the session at 8:25 P.M.

Approved: 11-8-99

Shirley Drain

Shirley Drain, Village Clerk

RESOLUTION No. 99-30

It was moved by T. Grannis and seconded by J. Goerner to adopt the following Resolution.

WHEREAS, Part 115 of the Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan"):

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that the Village Council of the Village of Howard City approve;

WHEREAS, Part 115 requires two thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED, the Village Council of the Village of Howard City approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Village Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: MacLangs, Thomas, Goerner, Poprawski, Grannis

Nays: None

RESOLUTION ADOPTED: October 25, 1999

Mary E. Flayer

Mary E. Flayer, Clerk

CERTIFICATION

I, MARY E. FLAYER, Clerk of the Village of Howard City, Montcalm County, Michigan, do certify that the within is a true copy of a resolution passed by the Village Council at its regular meeting on October 25, 1999.

Mary E. Flayer

Mary E. Flayer, Village Clerk

RESOLUTION No_____

Trustee Earhart moved, and Trustee Winter seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Village/Lakeview approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Village of Lakeview approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Village Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Rasmussen, Earhart, McElhinny, Lund, Schottle, Winter, Burlison

Nays: none

RESOLUTION ADOPTED

58302.06

10-12-99

RESOLUTION No 99-01

T Lafferty moved, and
N. Snyder seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that ~~the Village of~~ Sheridan approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED the Village of Sheridan approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Village Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: 5

Nays: 0

RESOLUTION ADOPTED

58302.06

RESOLUTION No #7-99

~~Newman~~ moved, and ~~Reeder~~ seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that two/thirds approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Carson City Council approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the City Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Kavanagh, Keiffer, Newman, Reeder and Tasker

Nays: 0 (zero)

Absent: Lowe

RESOLUTION ADOPTED on November 16, 1999 at the regular meeting of the Carson City Council.

CERTIFICATION

I hereby certify that the foregoing Resolution was duly adopted by the City Council of the City of Carson City with a quorum being present at a regular meeting of the City Council on the 16th day of November, 1999 by a vote of five(5) for, zero(0) against, zero(0) abstaining, and one(1) being absent.

Daniel C. Herald

Daniel C. Herald, Mayor

Janet Kelly, Comptroller

Janet Kelly, Comptroller

RESOLUTION No_____

Councilperson London moved, and Councilperson Coats seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Greenville approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED the City of Greenville approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Greenville CityClerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Councilpersons Aylsworth; Snow; London; Coats; Walker and Simmons.

Nays: Zero

RESOLUTION ADOPTED

58302.06

I, Bradley S. Hool, Clerk-Treasurer of the City of Greenville, Michigan, do hereby certify that the foregoing is a true copy of a resolution duly adopted by the City Council of the City of Greenville, Michigan.

Bradley S. Hool
Clerk-Treasurer

CITY OF GREENVILLE

"Danish Festival City"

411 SOUTH LAFAYETTE STREET
GREENVILLE, MICHIGAN 48838
(616) 754-5645 FAX (616) 754-6320

October 26, 1999

Ed Sell, County Controller
211 W. Main Street
Stanton, MI. 48888

RE: Solid Waste Plan Update

Dear Mr. Sell:

Please find enclosed a signed copy of the above mentioned Resolution that was passed by the Greenville City Council at their last regular meeting. We do not normally number our Resolutions, so I have not assigned a number to this one. If you have any questions regarding this, please contact me. Thank you.

Sincerely,

Debra L. LeFever

Debra L. LeFever
Deputy Clerk

Enc
dl

10-28-99

The mission of the City of Greenville, as a part of the Coalition of Greater Greenville, is to serve through leadership and action, to assure all citizens a collaborative, planned and visionary community.

CITY OF GREENVILLE

"Danish Festival City"

411 SOUTH LAFAYETTE STREET
GREENVILLE, MICHIGAN 48838
(616) 754-5645 FAX (616) 754-6320

November 22, 1999

Edward Sell, Montcalm County Controller
211 W. Main Street
P.O. Box 368
Stanton, MI. 48888

RE: Solid Waste Plan

Dear Ed:

Please find enclosed a signed copy of the Resolution for the County's Solid Waste Plan. I am sorry for the delay in getting this to you. If you have any questions, please contact me. Thank you.

Sincerely,

Debra L. LeFever
Deputy Clerk

Enc
dl

The mission of the City of Greenville, as a part of the Coalition of Greater Greenville, is to serve through leadership and action, to assure all citizens a collaborative, planned and visionary community.

RESOLUTION No_____

Councilperson London moved, and Councilperson Coats seconded, the adoption of the following Resolution,

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 *et seq.*) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that Greenville approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED the City of Greenville approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the Greenville CityClerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yeas: Councilpersons Aylsworth; Snow; London; Coats; Walker and Simmons.

Nays: Zero

RESOLUTION ADOPTED October 19, 1999

58302.06

I, Bradley S. Hool, Clerk-Treasurer of the City of Greenville, Michigan, do hereby certify that the foregoing is a true copy of a resolution duly adopted by the City Council of the City of Greenville, Michigan.

Bradley S. Hool
Clerk-Treasurer

City of Stanton

P.O. BOX 449
119 W. MAIN STREET
STANTON, MICHIGAN 48888

TELEPHONE
(517) 831-4440

CITY OF STANTON
RESOLUTION TO APPROVE MONTCALM COUNTY SOLID WASTE PLAN

Robert Burns moved, and Rachel Geselman seconded, the adoption of the following Resolution.

WHEREAS, Part 115 of Michigan's Solid Waste Management Act (MCL 324.11501 et seq) requires Montcalm County to promulgate and periodically update a Solid Waste Management Plan ("Plan");

WHEREAS, Montcalm County has adopted such a Plan and recently adopted a Plan Update, which it has requested that City of Stanton approve;

WHEREAS, Part 115 requires two/thirds of the local units of government within the County to approve any Plan or Plan Update;

NOW, THEREFORE, BE IT RESOLVED Stanton City Commissioner approves the Plan Update as presented by the Montcalm County Board of Commissioners;

BE IT FURTHER RESOLVED that the City Clerk is directed to forward a copy of this Resolution to the Montcalm County Clerk.

Yes: 5

Nays: 0

I certify that this is a true copy of the resolution adopted by the City of Stanton, City Commission on November 4th 1999 at the regular meeting.

Janet Miller

Janet Miller, City Clerk

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

All members of the Solid Waste Management Planning Committee were appointed by the Montcalm County Board of Commissioners at one of its regularly scheduled public meetings. There are fourteen members of the committee. The members represent the following groups and in the following numbers:

Solid Waste Industry	4
Environmental Interest Group	2
County Government	1
Industrial Waste Generator	1
Regional Planning	1
Township Government	1
General Public	3
City Government	1

For each and every group, when a term expires, or a vacancy occurs, the Board of Commissioners attempts to notify all possible persons interested from the various groups of the vacancy. This is done by sending letters directly to businesses or governmental agencies and by advertising the vacancy in the newspaper with the greatest circulation in the county. Persons interested in being appointed must submit a letter of interest and resume. The solid waste industry representatives are appointed from the group of haulers and landfill operators that do business in the county. The environmental interest group representatives come from the Mid-Michigan District Health Department and the Montcalm Soil Conservation District. A member of the Board of Commissioners is appointed to serve as the County Government representative. The industrial waste generator representative is appointed from one of the larger industries operating in the county. The member of the Board of Commissioners appointed to serve on the regional planning agency board also serves as the regional planning representative on the planning committee. The Montcalm Township Association is asked to recommend a township representative to the Board of Commissioners. Normally, the township supervisor from the township with the landfill in it is appointed. An elected official from one of the three cities on the county is appointed as the city government representative. The General Public members are appointed from those expressing interest as detailed on page C-2.

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. Dean King, Solid Waste Industry, City Environmental Services
2. Joann Gould, Solid Waste Industry, Waste Management, Inc.
3. Mark Creswell, Solid Waste Industry, Allied Waste, Inc.
4. Gary Douthett, Solid Waste Industry, Allied Waste, Inc.

One representative from an industrial waste generator:

1. Laura Shears, Frigidaire, Inc.

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

1. Don Meister, Environmental Interest Group
2. Gary La Porte, Environmental Interest Group

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

1. Carl Paepke, County Government

One representative from township government:

1. Nancy Maioho, Pierson Township Government

One representative from city government:

1. Mark Lehman, City Government

One representative from the regional solid waste planning agency:

1. Sally Thomsen, Regional Planning

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

1. James McMullen, General Public
2. Ruth Grinbelgs, General Public
3. Warren Wells, General Pubic

ATTACHMENTS

APPENDIX D

Plan Implementation Strategy

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

The Board of Commissioner's role is to enforce the Part 115 County Solid Waste Plan and promote education for residents regarding recycling, composting and household hazardous waste programs and pickup times.

ATTACHMENTS

Resolutions

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

None.

ATTACHMENTS

Listed Capacity

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

VENICE PARK RECYCLING & DISPOSAL FACI
A WASTE MANAGEMENT COMPANY

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

September 24, 1999

Ms. Cindy Winland
Spicer Engineering
1258 South Washington Ave
P.O. Box 1689
Saginaw, Mi. 48605-1689

Re: Montcalm County Solid Waste Management Plan

Dear Ms. Winland

Please consider including the following Waste Management facilities for primary disposal in the Montcalm County Solid Waste Plan update. Each of these facilities have Montcalm County in their Draft Solid Waste Plan or Host Agreement (contract between the Host County and the disposal facility).

Peoples Landfill – Saginaw County
Autumn Hills Recycling & Disposal Facility – Ottawa County
City Environmental Services Landfill Inc of Hastings – Barry County
Northern Oaks Recycling & Disposal – Clare County
Venice Park Recycling & Disposal Facility – Shiawassee County

In addition to the above referenced landfills, please include Waste Management's Type A Transfer Facility located in Muskegon County. Town 9 Range 8

I am including facility plans for those disposal sites. If I can be of assistance or if you have questions, please feel free to contact me at 616-945-2260.

Sincerely,

Steve Essling

FACILITY DESCRIPTIONS

Facility Type: **Solid Waste Transfer Station**

Facility Name: **Waste Management of Michigan, Midwest**

County: **Montcalm** Location: Town: **9** Range: **8** Section(s):

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

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

* See below for final disposal sites.

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

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

* Explanation of special wastes, including a specific list and/or conditions Special wastes include contaminated soils, grinding swarf, sludges.

Site Size:

Total area of facility property:	6	acres
Total area sited for use:	6	acres
Total area permitted:	6	acres
Operating:	6	acres
Not excavated:	N.A.	acres
Current capacity:	N.A.	☐ tons or ☐ yds^3
Estimated lifetime:	N.A.	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	N.A.	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	___	megawatts
Waste-to-energy incinerators:	___	megawatts

* Peoples Landfill - Saginaw County
Autumn Hills Recycling & Disposal Facility - Ottawa County
City Environmental Services Landfill Inc of Hastings - Barry County
Northern Oaks Recycling & Disposal - Clare County
Venice Park Recycling & Disposal Facility - Shiawassee County

FACILITY DESCRIPTIONS

Facility Type: Type II and Type III

Facility Name: Waste Management of Michigan/Venice Park Recycling and Disposal Facility

County: Shaiwassee Location: Town: T7N Range:R4E Section(s): 26-27

Map identifying location included in Attachment A

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

☐ Public X Private Owner: Waste Management of Michigan

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

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

Site Size:		Expansion
Total area of facility property:	325 acres	
Total area sited for use:	80 acres	100 acres
Total area permitted:	80 acres	100 acres proposed
Operating:	80 acres	
Not excavated:	2.5 acres	
Current capacity: REMAINING	2,200,000 gate cubic yards	
Estimated lifetime:	1 1/2 years	
Estimated days open per year:	281 days	
Estimated yearly disposal volume:	1,000,000 gate cubic yards	
Annual energy production:		
Landfill gas recovery projects:	11,500 megawatts	
Waste-to-energy incinerators:	N/A	

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Northern Oaks Recycling and Disposal Facility

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

Map identifying location included in Attachment Section: ☒ Yes ☐ No

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

☐ Public ☒ Private Owner: Waste Management Inc.

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

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

Site Size		
Total area of facility property:	320	acres
Total area sited for use:	76	acres
Total area permitted:	76	acres
Operating:	19	acres
Not excavated:	57	acres
Current capacity:	17,600,000	☐ tons or ☒ yds^3
Estimated lifetime:	37.6	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	409,000	☐ tons or ☒ yds^3

(if applicable)

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

*Capacity and estimated lifetime as of 12/01/98

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **City Environmental Services Landfill, Inc. of Hastings**

County: **Barry** Location: Town: **3W** Range: **8N** Section(s): **6**

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

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

☐ Public **X** Private Owner: **U.S. Waste**

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

* Explanation of special wastes, including a specific list and/or conditions: **foundry sand, fly ash, municipal wastewater sludges, trees and stumps**

Site Size:

Total area of facility property:	330	acres
Total area sited for use:	330	acres
Total area permitted:	48	acres
Operating:	19.5	acres
Not excavated:	28.5	acres
Current capacity:	5,000,000	☐ tons or X yds^3
Estimated lifetime:	10+	years
Estimated days open per year:	308	days
Estimated yearly disposal volume:	175,000	X tons or yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**
Facility Name: **Autumn Hills Recycling & Disposal Facility**

County: Ottawa Location: Town: 5N Range: 14W Section(s):36

Map identifying location included in Attachment Section: Yes X No

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

☐ Public ☐ Private Owner: Autumn Hills RFD - A Division or Waste Management of Michigan, Inc.

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

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

exhausted oak wood trays, minor first aid waste, contaminated pharmaceuticals manufacture, paint booth filters, dewatered waste water treatment sludge, out of spec/our of date food supplements, spent epoxy powder coatings, sand blasting sand, woodchips/dust from production, shot blast, construction and demolition materials, foundry sand, filter press cake, incinerator ash, saw dust, contaminated soils, auto fluff, asbestos, grinding sludge, carwash and sand pit/traps, and food materials.

Site Size:

Total area of facility property:	314	acres
Total area sited for use:	197	acres
Total area permitted:	99.3	acres
Operating:	35.1	acres
Not excavated:	64.2	acres
Current capacity:	20.75	☐ tons or ☐ yds^3
Estimated lifetime:	30.2	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	☐ tons or ☐ yds^3

(if applicable)
Annual energy production:

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

FACILITY DESCRIPTIONS

Facility Type: **Landfill**

Facility Name: **Peoples Landfill, Saginaw County**

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

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

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

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

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

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

Site Size:

Total area of facility property:	163.5	acres
Total area sited for use	103.6	acres
Total area permitted:	103.6	acres
Operating:	29.1	acres
Not excavated:	53.0	acres
Current capacity:	5,301,641	☒ tons or ☐ yds^3
Estimated lifetime:	20	years
Estimated days open per year:	254	days
Estimated yearly disposal volume:	1000	☒ tons or ☐ yds^3

(if applicable)
Annual energy production:

Landfill gas recovery projects:	3.2	megawatts
Waste-to-energy incinerators:	___	megawatts

ATTACHMENTS

Maps

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

Not included.

ATTACHMENTS

Inter-County Agreements

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

None.

ATTACHMENTS

Special Conditions

Special conditions affecting import or export of solid waste.

None to date.