



STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



JENNIFER M. GRANHOLM
GOVERNOR

STEVEN E. CHESTER
DIRECTOR

September 15, 2004

Mr. James L. Banks, Chair
Ionia County Board of Commissioners
100 West Main Street
Ionia, Michigan 48846

Dear Mr. Banks:

The Department of Environmental Quality (DEQ) received the locally-approved amendment to the Ionia County Solid Waste Management Plan (Plan Amendment) on February 9, 2004.

This Plan Amendment modifies surcharges on solid waste disposal facilities, redefines recycling and composting programs, and defines a time line for road access in the event of new facility site proposals or current site alterations.

This letter hereby approves the Plan Amendment. The DEQ has determined that this Plan Amendment complies with the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 115 administrative rules. Additionally, the DEQ would like to thank Ionia County for its efforts in addressing solid waste management issues.

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

Sincerely,

Steven E. Chester
Director
517-373-7917

cc: Senator Alan L. Cropsey
Representative Judy K. Emmons
Representative Gary A. Newell
Ms. Elizabeth Robins, Ionia County Resource Recovery Coordinator
Mr. Jim Sygo, Deputy Director, DEQ
Ms. Carol Linteau, Legislative Liaison, DEQ
Mr. George W. Bruchmann, DEQ
Ms. Liane Shekter Smith, DEQ
Mr. Lonnie C. Lee, DEQ
Ms. Amy Lachance, DEQ
Ms. Rhonda Oyer Zimmerman, DEQ
Ms. Noelle Hartner, DEQ
Ionia County File

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

August 13, 2004

TO: George W. Bruchmann, Chief, Waste and Hazardous Materials Division

FROM: Lonnie C. Lee, Chief, Storage Tank and Solid Waste Section
Rhonda Oyer Zimmerman, Chief, Solid Waste Management Unit

SUBJECT: Ionia County Solid Waste Management Plan Amendment

The Department of Environmental Quality (DEQ) received the locally approved amendment to the Ionia County Solid Waste Management Plan (Plan) on February 9, 2004. The Plan was locally developed in accordance with the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Documentation supporting the appropriate review and approval actions by the County and their municipalities is enclosed.

The Plan Amendment adds the following to the Ionia County Solid Waste Management Plan with approval by DEQ:

On [page III-28](#), the following text was added to the Ionia County plan under the Recycling and Composting section:

It shall be a goal of this Plan for Ionia County to increase the number of recycling drop-off sites and frequency of open days at each site beyond what is depicted in Table III-1. Also, it shall be a goal of this Plan for Ionia County to increase the number of composting sites beyond what is depicted in Table III-2. Finally, it shall be the goal of this Plan for the Ionia County Board of Commissioners to approve, from time to time, resource recovery programs beyond those specified in this Plan in order to benefit the citizens of Ionia County and to promote the efficient use of landfilling and incineration at disposal facilities.

On [page III-45](#), section 3 entitled Road Access; the first paragraph was deleted and replaced with the following:

To be consistent with the Plan, a proposed disposal facility's site must provide direct access to all-season roads. If a proposal for a disposal facility includes or assumes year-round traffic to off-site sources of cover material, the proposal must include all-season road access provisions for this function. A proposal will be found consistent with the road access requirement of the Plan if it contains a written statement whereby the applicant agrees to upgrade or pay for the road commission to upgrade direct access roads to the facility to all-season standards based on AASHTO specifications as cited below, at no direct charge to the County or local governments, within one year after the date on which the proposal is approved or otherwise found to be Plan consistent by the Ionia County Board of Commissioners. The Board may approve a grant contract, using Facility User Fee Revenue to assist the applicant in paying for the upgrade of the

facility access road(s) as required herein. A 66-foot easement recorded on the deed of a land-locked parcel qualifies as having road frontage, but does negate the necessity for the access road to be of all-season construction.

The following modification would warrant the disapproval of this Plan Amendment by the DEQ unless the proposed modification was made:

On [page III-47](#), under Surcharges, Ionia County imposes a user fee upon all solid waste facilities located within the county. This surcharge would be determined by the Ionia County Board of Commissioners among one of three methods: (1) percentage of the facility's monetary gate receipts, (2) fixed amount per weight deposited, or (3) fixed amount per volume deposited.

Therefore, the current text on page III-47 shall be deleted and replaced with the following:

Facility User Fee: In order to finance the implementation of Part 115 County Solid Waste Management Plan, Ionia County (County) imposes a user fee upon all solid waste deposited and/or processed at facilities located within the County. Any previous County memorandum, contract, resolution or ordinance regarding a user fee or surcharge is repealed and voided unless a different user fee is agreed to through a "host contract" between Ionia County and a particular facility, the following user fee is established based on each ton deposited and/or processed in the facility:

\$1 per ton of waste accepted for deposit and/or processed.

In the event that the facility does not weigh waste, a ratio of 3 to 1 cubic yards to a ton shall be used to calculate the user fee.

The County may enforce the user fee through a solid waste ordinance with civil and/or criminal sanctions if the fee is not collected and remitted.

Each facility owner or operator must remit the user fee to the Ionia County Board of Commissioners on a monthly basis. On a form selected by the Ionia 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.

Host Contract: is defined as a written contract that is approved and signed by the owner of a "facility" as defined in Rule 103 of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, administrative rules; and the Ionia County Board of Commissioners (BOC), after approval in a public meeting, by the BOC.

August 13, 2004

Rhonda Oyer Zimmerman's July 7, 2004, letter to Elizabeth Robins, Resource Recovery Coordinator, Ionia County, outlined this issue and indicated that, if the County so requested, the DEQ could modify the surcharge item and then approve the Plan. In a letter dated July 27, 2004, from James L. Banks, Chair, Ionia County Board of Commissioners, the County agreed with the modification proposed in the enclosed materials and requested the DEQ approve the Plan with the surcharge modification. After reviewing the enclosed Plan and staff recommendations, we support staff conclusions and recommend that you forward the Plan to the Director to be approved with the indicated modification.

A notice of consideration of approval of the Plan with modifications is expected to be included in the DEQ Calendar to be published on September 6, 2004, under the "Other Decisions Before the Office of the Director" category. Enclosed with this memo is the draft letter to the Chairman of Ionia County Board of Commissioners, for Steven E. Chester's signature approving the Plan with modifications; a draft memo from you to Director Chester recommending approval of the Plan with the indicated modification; a summary of the major components of the Plan; and the Plan with documentation supporting the approval actions by the County and municipalities. Also enclosed is the July 27, 2004, letter from James L. Banks conveying that the County agrees with these proposed changes and requesting the DEQ to approve the Plan with this modification.

If you have any questions, please contact Lonnie C. Lee at 517-373-4735.

Enclosures

cc: Noelle Hartner, WHMD
Ionia County File

Rhonda Oyer Zimmerman

STATE OF MICHIGAN



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

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

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

January 19, 2001

Mr. Philip C. Wilson, Chairperson
Ionia County Board of Commissioners
100 Main Street
Ionia, Michigan 48846

Dear Mr. Wilson:

The Department of Environmental Quality (DEQ) received the locally approved update to the Ionia County Solid Waste Management Plan (Plan) on May 26, 2000. Except for the items indicated below, the Plan is approvable. As outlined in the letter dated August 3, 2000, to Ms. Michele A. Stemler, Coordinator, Ionia County Resource Recovery, from Ms. Lynn Dumroese, DEQ, Waste Management Division (WMD), and as confirmed by your September 1, 2000 letter to Mr. Seth Phillips, DEQ, WMD, the DEQ makes the following modifications to the Plan:

On [page III-2](#), the Note attached to this page states the cap for Pitsch Sanitary Landfill is negotiable between Ionia County (County) and Pitsch Sanitary Landfill. Annual caps must be established in the Plan and may not be changed except by a Plan amendment. This note should be deleted from the Plan and the annual cap of 100,000 tons per year shall be the only annual cap authorized in the Plan unless amended.

On [page III-40](#), the second to the last paragraph discusses the process of submitting an application and determining administrative completeness. The last sentence states, "If no determination has been made at the end of the 21-day period after submittal or resubmittal of the proposal, the proposal will be considered administratively complete and will proceed to the next stage of the consistency determination process." The County's intent was to allow the Ionia County Planning Commission an additional 21 days to determine if the application is complete or incomplete after the developer resubmits the supplementary information. However, as written, it seems there is only one 21-day period for the Ionia County Planning Commission to determine if the application is administratively complete. In order to clarify the County's intent, the following sentence should be added to this paragraph, "Within 21 days after the developer resubmits the proposal with the additional information, the Ionia County Planning Commission will determine whether the proposal is administratively complete or incomplete."

On [page III-44](#), the second paragraph in the General location section states the validity of a zoning district may be reviewed by the County Planning Commission and the

Planning Commission may overrule the designation. Section 11538 (3) of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, requires that a siting mechanism not be subject to discretionary acts by the local planning entity and that the procedure will guarantee a decision. This review is a discretionary act; therefore, this paragraph shall be deleted from the Plan.

On [page III-47](#), item number 7 states, "The facility developer shall agree to the following operational requirements. If the developer does not agree to these requirements the facility shall not be considered consistent with this Plan." As previously mentioned, Section 11538 (3) of Part 115 requires that a siting mechanism not be subject to discretionary acts by the local planning entity. The requirement of an agreement to follow the indicated operational requirements implies execution of an agreement between the developer and the County. The County could decline to sign such an agreement and, thereby, render the proposal inconsistent with the Plan. As explained above, consistency cannot be subject to such a discretionary act. In order to resolve this issue, the following language shall replace the sentences referenced above, "The facility developer shall submit a signed statement agreeing to follow the operational requirements. If the developer does not submit this signed statement, the facility shall be considered inconsistent with this Plan."

On [page III-47](#), the last sentence in the second to the last paragraph states preference may be given to proposals that exceed the siting standards or which will provide the greatest degree of environmental protection without defining the objective basis on which the consistency decision will be made. Once again, this establishes a discretionary act as the means to determine consistency and is not allowed as part of the siting criteria under Part 115. This sentence will be deleted from the Plan.

On [page III-52](#), the second sentence states local ordinances and regulations within the County are already listed in the Siting Criteria section of the Plan. The County intended on having only the local ordinances apply to disposal facilities as they are mentioned in the siting criteria on page III-44. In order to alleviate any discrepancy regarding how the County intended to have the local ordinances apply to disposal facilities in the Plan, this sentence shall be deleted from the Local Ordinances section.

On [page D-1](#), the paragraph regarding the "Fast-Track Amendment Process" is deleted because the DEQ cannot provide pre-approval for a process that has not yet been authorized by law with the hopes that such a law may be enacted in the future.

There are two clarifications that are needed in order to confirm the County's and municipality's intent when approving the Plan; however, these clarifications do not require modifications to the Plan. The first clarification is in regard to future expansions of the Pitsch Sanitary Landfill. The site size information in the facility description for Pitsch Sanitary Landfill refers to a 140-acre total area sited for use after a proposed 61.56-acre expansion; however, a permit was issued from the DEQ on August 18, 1999, which included this proposed area. On page III-43, the Plan states any further expansions to the Pitsch Sanitary Landfill will be subject to the Plan's siting mechanism. This clarification makes clear the currently permitted area for the Pitsch Sanitary Landfill

is 143.5 acres and any further expansions will be subject to the siting mechanism in the Plan.

The second clarification involves the County's Solid Waste Import and Export Conditions found in the Special Conditions section of the Attachments. The Import and Export Conditions state the County does not require reciprocal agreements with other counties, but the County does require import/export agreements. The intent of this language was to ensure the County received a written agreement from those counties that will be exporting waste to the County. This agreement will define any limitations on waste imports/exports and special conditions. Further, as part of this agreement, the County is not requiring the exporting county to include the County in their waste imports authorization, nor is the County allowing imports of waste from counties that have not been included in the Import/Export Authorization tables.

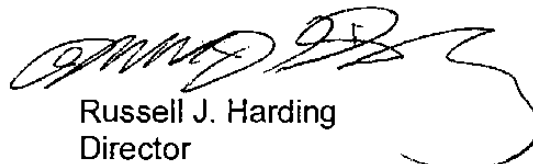
With these modifications, the County's updated Plan is hereby approved and the County now assumes responsibility for the enforcement and implementation of this Plan. Please ensure that a copy of this letter is included with copies of the approved Plan distributed by the County.

By approving the Plan with modifications, the DEQ has determined that it complies with the provisions of Part 115 and the Part 115 administrative rules concerning the required content of solid waste management plans. Specifically, the DEQ has determined that the Plan identifies the enforceable mechanisms that authorize the state, a county, a municipality, or a person to take legal action to guarantee compliance with the Plan, as required by Part 115. The Plan is enforceable, however, only to the extent the County properly implements these enforceable mechanisms under applicable enabling legislation. The Plan itself does not serve as such underlying enabling authority and the DEQ approval of the Plan neither restricts nor expands the County authority to implement these enforceable mechanisms.

The Plan may also contain other provisions that are neither required nor expressly authorized for inclusion in a solid waste management plan. The DEQ approval of the Plan does not extend to any such provisions. Under Part 115, the DEQ has no statutory authority to determine whether such provisions have any force or effect.

The DEQ applauds your efforts and commitment in addressing the solid waste management issues in Ionia County. If you have any questions, please contact Mr. Seth Phillips, Chief, Solid Waste Management Unit, at 517-373-4750.

Sincerely,



Russell J. Harding
Director
517-373-7917

cc: Senator Joanne G. Emmons
Representative Valde Garcia
Representative Gary Newell
Ms. Michele A. Stemler, Coordinator, Ionia County Resource Recovery
Mr. Arthur R. Nash Jr., Deputy Director, DEQ
Mr. Timothy R. Sowton, Legislative Liaison, DEQ
Mr. Jim Sygo, DEQ
Ms. Joan Peck, DEQ
Ms. Amy Lachance – Grand Rapids
Mr. Seth Phillips, DEQ
Ms. Lynn Dumroese, DEQ
✓ Ionia County File



RESOURCE RECOVERY PROJECT OF IONIA COUNTY

MAY 25 2000

Waste Management

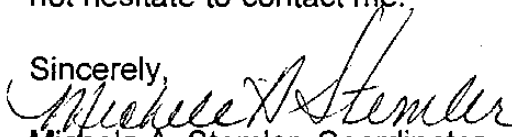
May 23, 2000

Michigan Department of Environmental Quality
Waste Management Division
Solid Waste Management Unit
P.O. Box 3241
Lansing, MI 48909-7741
ATTN: Lynn Dumroese

Dear Ms. Dumroese:

Attached is the Solid Waste Plan for Ionia County. I have also attached resolutions to the back of the plan. If you should have any questions, please do not hesitate to contact me.

Sincerely,


Michele A. Stemler, Coordinator
Ionia County Resource Recovery

PLAN FORMAT
FOR PREPARING
COUNTY SOLID WASTE MANAGEMENT PLANS

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



John Engler, Governor
Russell J. Harding, Director

Michigan Department of Environmental Quality
Waste Management Division

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

EQP 5210 (8-97)

1997 PLAN UPDATE COVER PAGE

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

DATE SUBMITTED TO THE DEQ: April 30, 1999

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.

<u>Municipality</u>	<u>Original Planning County</u>	<u>New Planning County</u>
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DESIGNATED PLANNING AGENCY PREPARING THIS PLAN UPDATE:

Ionia County Extension

CONTACT PERSON: Michele A. Stemler

ADDRESS: Ionia County Extension

100 Library St.

Ionia, MI 48846

PHONE: 616/527-5357

FAX 616/527-5312

(If Applicable)

E-MAIL:

(If Applicable)

CENTRAL REPOSITORY LOCATION(S): Ionia County Resource Recovery Project

M.S.U./Ionia County Extension Office, 100 Library St., Ionia, MI 48846

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EXECUTIVE SUMMARY

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

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

Township or Municipality Name	Population	% Land Use		Ag	% of Economic Base				Other
		Rural	Urban		For	Ind	Com		
<u>Berlin & Boston</u>	<u>3,610 & 4,313</u>	—	—	—	—	—	—	—	
<u>Campbell & Danby</u>	<u>1,814 & 2,371</u>	—	—	—	—	—	—	—	
<u>Easton & Ionia</u>	<u>5,384 & 3,153</u>	—	—	—	—	—	—	—	
<u>Keene & Lyons</u>	<u>1,376 & 3,276</u>	—	—	—	—	—	—	—	
<u>N. Plains & Odessa</u>	<u>1,333 & 3,885</u>	—	—	—	—	—	—	—	
<u>Orange & Orleans</u>	<u>1,047 & 2,548</u>	—	—	—	—	—	—	—	
<u>Otisco & Portland</u>	<u>1,863 & 2,383</u>	—	—	—	—	—	—	—	
<u>Ronald & Sebewa</u>	<u>1,715 & 1,160</u>	—	—	—	—	—	—	—	
<u>City of Belding</u>	<u>5,969</u>	—	—	—	—	—	—	—	
<u>City of Portland</u>	<u>3,889</u>	—	—	—	—	—	—	—	
<u>City of Ionia</u>	<u>5,990</u>	—	—	—	—	—	—	—	
Total Population	<u>57,079</u>	—	—	—	—	—	—	—	

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

EXECUTIVE SUMMARY

CONCLUSIONS

As in the past, Ionia County has had the private sector handle the collection, transportation, and disposal of solid waste in the County and will continue to do so. The County has (1) landfill, Pitsch Sanitary Landfill, which is the main landfill utilized by Ionia County. This landfill will have approximately 20+ years of disposal available. The public sector will continue to work with the private sector on keeping updates with the newer technologies, educating and promoting programs, and implementing programs for continued community involvement. The County has several monthly recycling drop offs, Pitsch Sanitary Landfill and Eco Systems Transfer Station houses permanent recycling container available for recycling drop offs, City of Ionia offers weekly recycling pick up at city residences, and private hauling companies offer recycling home pick ups. Ionia County has a permanent household hazardous waste and farm pesticide/herbicide collection site. Ionia County accepts these materials monthly throughout the year and is also available by appointment during the week. Ionia County accepts these materials from our county and surrounding counties. Some of the private hauling companies offer weekly brush/grass clipping removal, the City of Ionia conducts removal three times per year, and a few townships/cities in the County have their own programs. The combination of all of these programs concludes that the present systems is working well and should be continued.

SELECTED ALTERNATIVES

The following strategies and methods will be utilized by the County to handle its' solid waste for the next five and ten year planning periods. The Planning Committee during their development of the plan update chose these selected alternatives.

- Landfilling – continued reliance for the waste disposal at the Pitsch Sanitary Landfill for the five and ten year planning period.
- Recycling & Composting – continue present drop-off recycling box system throughout the county and existing composting operations.
- Source Separation – continue annual household hazardous waste and Clean Sweep programs. Pitsch Sanitary Landfill will continue to separate recyclables and other materials to save on landfill space.

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: Designate an office where the public can direct questions about solid waste management, obtain educational materials, and promote resource recovery options in the marketplace. (Example: Oil recycling sites posted where people purchase oil.) 1aa; Support an environmental education program for K-12 grades by providing annual opportunities to tour existing solid waste management facilities and providing information regarding those facilities which can be used in their curriculum.

Objective 1b: Notify citizens about opportunities for solid waste management such as recycling, household hazardous waste collections, and special concerns, through radio, television, flyers, and newspaper announcement. 1bb; Encourage private-public intergovernmental cooperation by developing and implementing a composting program which will recycle all of the yard waste in the county. This will include promotion of backyard composting, waste reduction, and mulching mowers to the general public.

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

Objective 2a: Acknowledge Lake Odessa's participation in the Michigan Wellhead Protection Program and encourage other municipalities in the County to also participate in this program. 2aa. Encourage witnesses to report illegal dumping of waste in unauthorized areas by offering a cash reward to witnesses whose reports lead to an arrest and conviction.

Objective 2b: Maintain impact fee generated at the Pitsch Landfill to be used for resource recovery programming and planning in the County. 2bb. Maintain the Household Hazardous Waste Collection Program and the agricultural pesticide collection, Clean Sweep Program.

Goal 3:

Objective 3a:

Objective 3b:

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)

Ionia County used three sources to identify the amount of solid waste generated in Ionia County that needs disposal. The local haulers survey indicated that 38,314 tons of waste is picked up in Ionia County and disposed of at landfills. The 1997 DEQ Landfill Report identified 37,443 tons of Ionia County waste is disposed of in Michigan landfills. Using the EPA per capita rate for waste generated and then going to a disposal facility, 37,230 tons of waste needs disposal in Ionia County. Using this data, Ionia County is projecting that 40,000 tons of waste will need disposal in 1999. Ionia County is estimating that this represents 74% of the waste generated in Ionia County, with the remainder of the waste generated being managed through composting, recycling, waste reduction & reuse, and backyard disposal and burning.

Information regarding the population trends are listed in the Demographics Section of this update. Reduction processes for the disposal of solid waste is listed in the Appendix Section of this update.

TOTAL QUANTITY OF SOLID WASTE GENERATED:

54,026 ☒ Tons or ☐ Cubic Yards in 1999 (identify unit of time)

TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:

40,000 ☒ Tons or ☐ Cubic Yards in 1999 (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.

Autumn Hills	Waste Mgmt.	Ottawa County
C & C Landfill	BFI	Calhoun County
Central Sanitary Landfill	Allied	Montcalm County
City Environmental	City of Hastings	Barry County
Eco Systems	Waste Mgmt.	Ionia County
Granger (Grand River) Landfill	Granger Land Dev.	Clinton County
Granger (Woods Road) Landfill	Granger Land Dev.	Clinton & Ingham Counties
Greenville Transfer Station	City of Greenville	Montcalm County
	(Operated by Waste Mgmt.)	
Hastings Sanitary Service	CMC - USA Waste	Barry County
Kent County Landfill (South)	Kent County	Kent County
Kent County Transfer Station	Kent County	Kent County
Kent County Waste to Energy	Kent County	Kent County
Ottawa County Farms Landfill	Allied	Ottawa County
Pitsch Sanitary Landfill	Pitsch Companies	Ionia County
Venice Park	Waste Mgmt.	Shiawassee County

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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 MI, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: solidification/yard waste

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

Foundry sands, sludges, fly ash, etc.

Site Size:

Total area of facility property:	<u>314</u>	acres
Total area sited for use:	<u>197</u>	acres
Total area permitted:	<u>99.3</u>	acres
Operating:	<u>35.1</u>	acres
Not excavated:	<u>64.2</u>	acres
Current capacity:	<u>20.75</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>30.2</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>500.00</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: C & C Landfill

County: Calhoun Location: Town: 15 Range: 6W Section(s): 28

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

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

☒ Public ☐ Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Non-hazardous solid and semi-solid wastes. No hazardous or liquid wastes.

Site Size:

Total area of facility property:	<u>224</u>	acres
Total area sited for use:	<u> </u>	acres
Total area permitted:	<u>154</u>	acres
Operating:	<u>33</u>	acres
Not excavated: (Not constructed)	<u>21</u>	acres Does not include Type III area.
Current capacity:	<u>3,360,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Airspace remaining as of
Estimated lifetime:	<u>7</u>	years 11/01/97 - 7,570,000
Estimated days open per year:	<u>286</u>	days gate cu. yd.
Estimated yearly disposal volume:	<u>1,100,000</u>	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
		GATE
(if applicable)		
Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

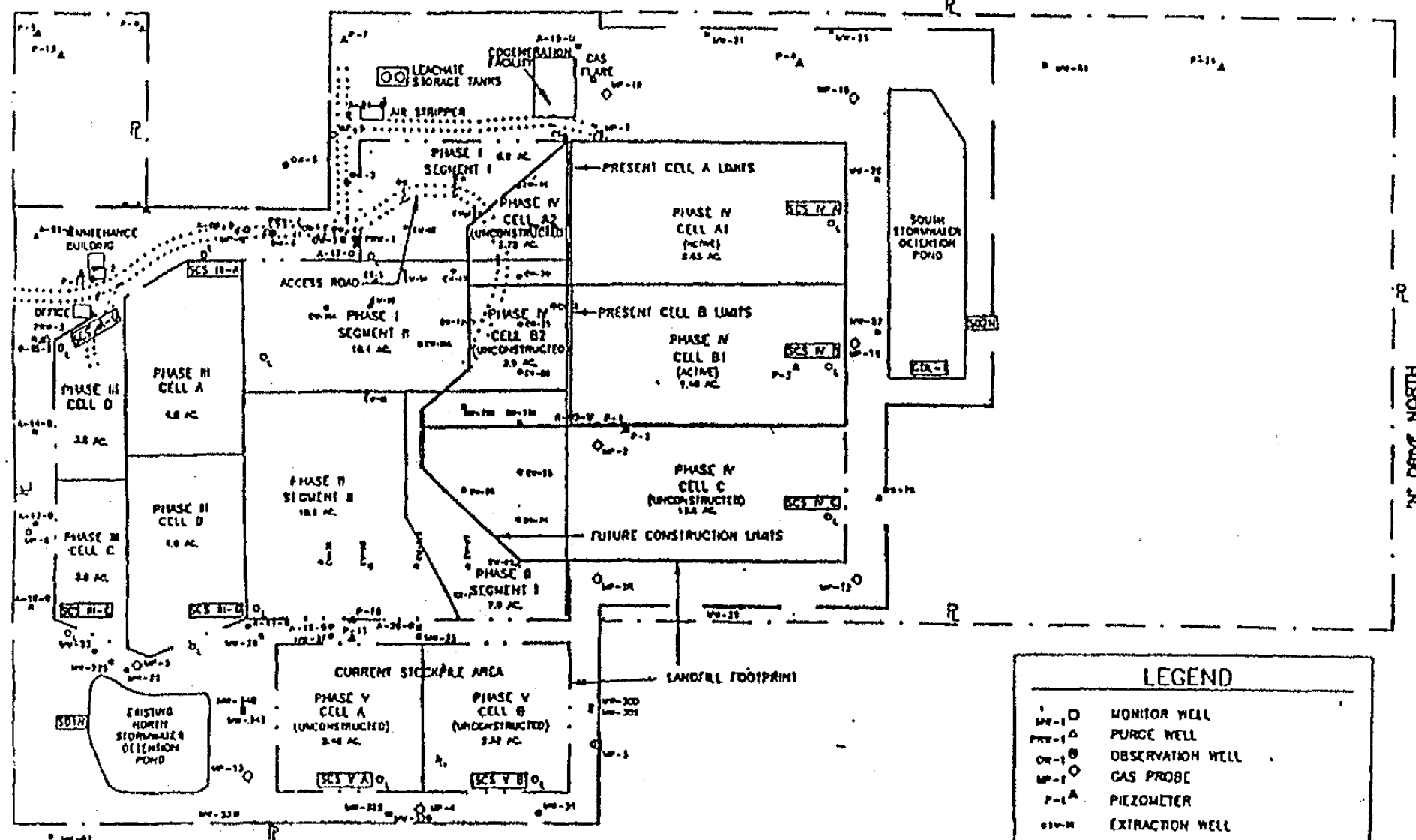
C & C EXPANDED SANITARY LANDFILL PHASE IV CELL B - ATTACHMENT A

MONITORING LOCATIONS
PAGE 1 OF 2



1" = 500'

15 MILE ROAD



LEGEND

- MW-1 ○ MONITOR WELL
- PW-1 △ PURGE WELL
- OW-1 ⊙ OBSERVATION WELL
- GP-1 ⊙ GAS PROBE
- P-1 △ PIEZOMETER
- EW-1 ⊙ EXTRACTION WELL
- CS-1 ⊙ CONDENSATE PUMP STATION
- SW-1 ⊙ SURFACE WATER MONITORING POINT
- SCS-1 ⊙ SECONDARY COLLECTION SYSTEM SAMPLING LOCATION
- GD-1 ⊙ GRAVITY DRAIN LINE SAMPLING POINT
- L-1 ⊙ LEACHATE SAMPLING POINT
- P- ⊙ PROPERTY LINE BOUNDARY

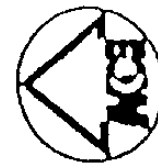
MIDWESTERN CONSULTING



One Engineer
Environmental Engineer
Professional Engineer
3115 Plaza Drive
St. Louis, Missouri 63116
314.733.8800 Fax 314.733.8801

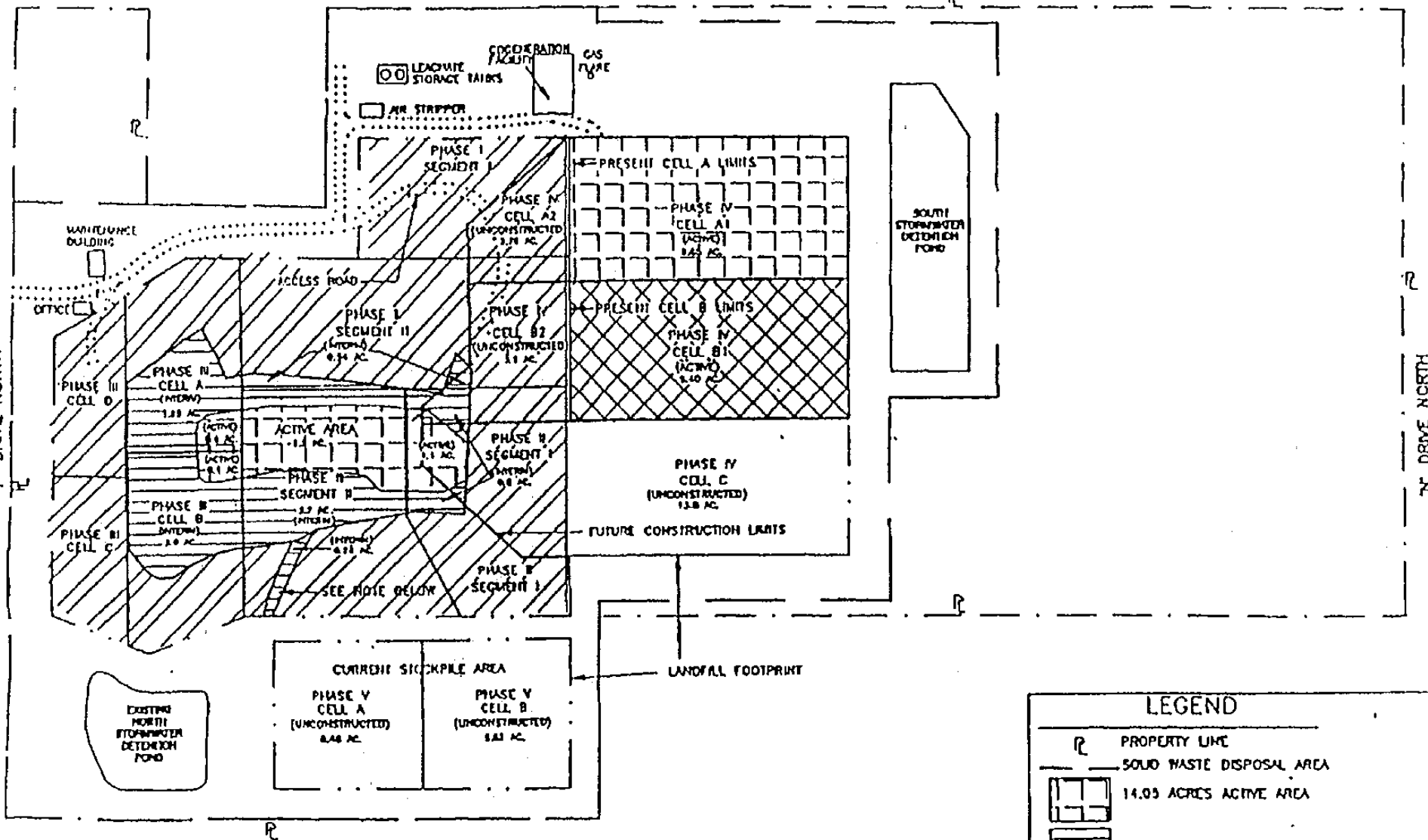
C & C EXPANDED SANITARY LANDFILL PHASE IV CELL B - ATTACHMENT A

CONSTRUCTION SCHEMATIC
PAGE 2 OF 2



1" = 500'

15 MILE ROAD



NOTE: MAINTENANCE ROAD ON WEST
SLOPE IS NOT FINAL COVERED

LEGEND

	PROPERTY LINE
	SOLID WASTE DISPOSAL AREA
	14.03 ACRES ACTIVE AREA
	9.25 ACRES INTERIM COVER
	9.40 ACRES PHASE IV, CELL B
	38.13 ACRES CERTIFIED FINAL COVER

FACILITY DESCRIPTIONS

Facility Type: Type II 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: ☒ Yes ☐ No

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

☒ Public ☐ Private Owner: Waste Management, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Asbestos

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

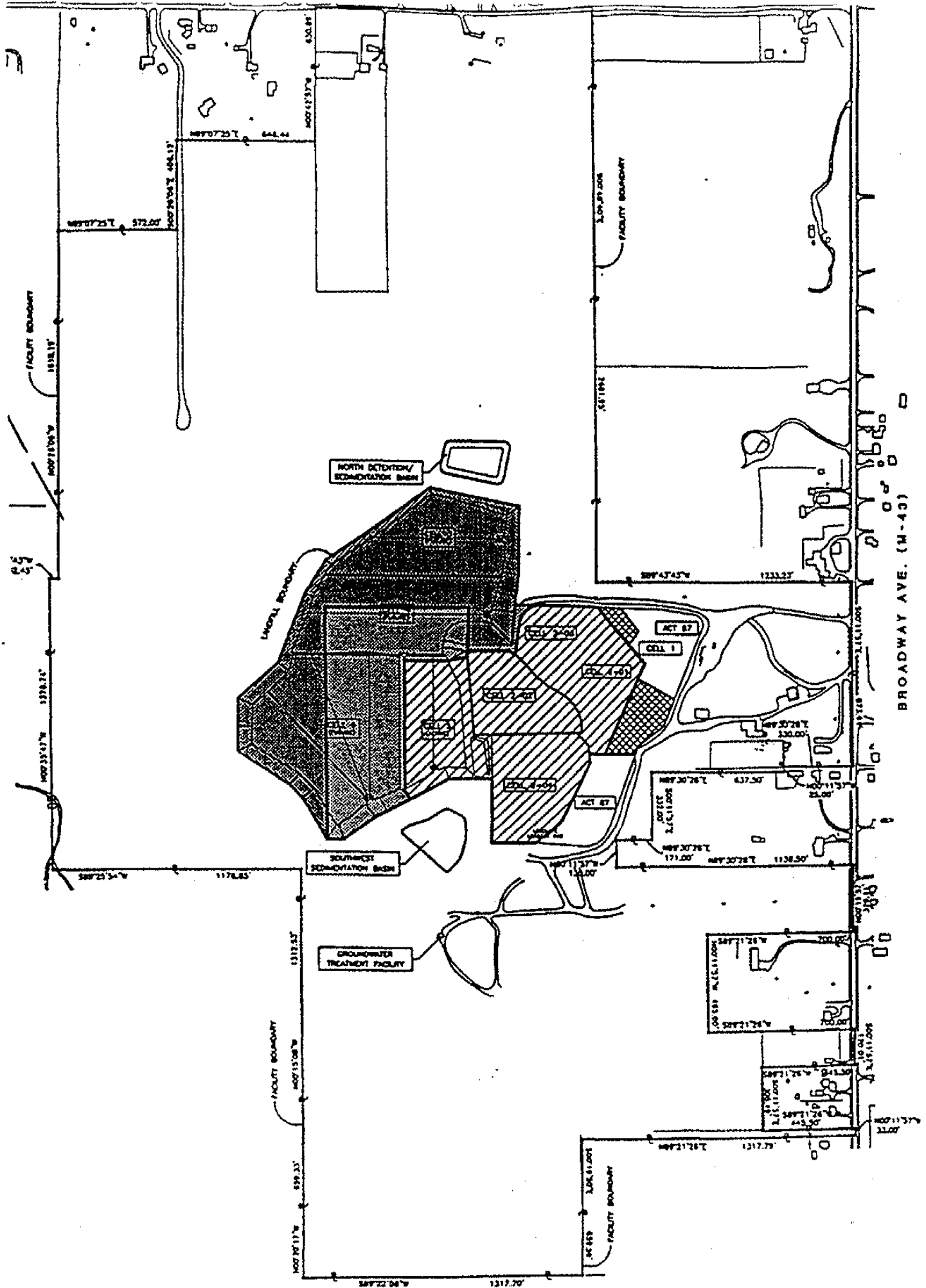
Foundry sand, fly ash, Municipal wastewater sludge, trees, and stumps.

Site Size:

Total area of facility property:	<u>330</u>	acres
Total area sited for use:	<u>330</u>	acres
Total area permitted:	<u>48</u>	acres
Operating:	<u>19.5</u>	acres
Not excavated:	<u>28.5</u>	acres
Current capacity:	<u>5,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>10+</u>	years
Estimated days open per year:	<u>308</u>	days
Estimated yearly disposal volume:	<u>175,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

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



FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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 Co.

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☐ other: Type II wastes

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

All as authorized Total area of facility property includes acres of (separate) closed facility to be consistent with DEQ numbers on permits and licenses. Current capacity 7,617,000 (air yards). Estimated yearly disposal volume: 600,000 (gate yards).

Site Size:

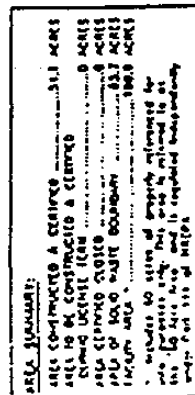
Total area of facility property:	<u>180.9</u>	acres
Total area sited for use:	<u>120.9</u>	acres
Total area permitted:	<u>85.7</u>	acres
Operating:	<u>54.1</u>	acres
Not excavated:	<u>31.6</u>	acres
Current capacity:	<u>7,617,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>32</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>4.0</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY MAP



FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☒ other: Type II wastes

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

All as authorized. Total area of facility property includes acres of (separate) Paulson Street Facility to be consistent with DEQ numbers on permits and licenses. Also includes spoil/borrow areas to be consistent with DEQ numbers on permits and licenses. Total area sited for use (plant) 194.8 acres + 67 (Future permitting in Ingham County).

Site Size:

Total area of facility property:	<u>302.8</u>	acres
Total area sited for use:	<u>194.8</u>	acres
Total area permitted:	<u>104.3</u>	acres
Operating:	<u>49.5</u>	acres
Not excavated:	<u>54.8</u>	acres
Current capacity:	<u>10,901,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>34</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>3.2</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

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FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: South Kent County Landfill

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

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

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

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other:

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

Sewage sludges.

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:

7.6 million ☒ tons or ☐ yds³

1.5 million tons - ash

Estimated lifetime:

38 years

Estimated days open per year:

310 days

Estimated yearly disposal volume:

155,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A megawatts

Waste-to-energy incinerators:

N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Ottawa County Farms Landfill

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

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

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

☐ Public ☒ Private Owner: Allied Disposal

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Site Size:

Total area of facility property: 240 acres

Total area sited for use: 240 acres

Total area permitted: 197 acres

Operating: 37 acres

Not excavated: 125 acres

Current capacity: 16,500,000 ☐ tons or ☒ yds³

Estimated lifetime: 25-30 years

Estimated days open per year: 286 days

Estimated yearly disposal volume: 500,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: 4,565 megawatts – 3,500 volts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town: Range: Section(s): **See Attached

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

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

☐ Public ☒ Private Owner: Pitsch Companies

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☐ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☐ other:

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

Street sweepings, asbestos.

Site Size:

Total area of facility property:	<u>148.44</u>	acres	<u>After</u>
Total area sited for use:	<u>78.44</u>	acres	<u>Proposed Expansion</u>
Total area permitted:	<u>28.36</u>	acres	300 acres
Operating:	<u>9.87</u>	acres	140 acres
Not excavated:	<u>70</u>	acres	140 acres
Current capacity:	<u>415,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³	10 acres
Estimated lifetime:	<u>5</u>	years	40 acres
Estimated days open per year:	<u>307</u>	days	2,308,225 tons
Estimated yearly disposal volume:	<u>83,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³	21 years

**Have a pending construction permit that will extend landfill life another 30 years.

(if applicable)

Annual energy production:

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

SOLID WASTE DISPOSAL AREA OPERATING LICENSE

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

FACILITY NAME: Pitsch Sanitary Landfill

GRANTED TO: Pitsch Sanitary Landfill, Inc.

TYPE OF FACILITY: Type II Landfill

FACILITY ID: 34-000016

COUNTY: Ionia

LICENSE NO. 8456

ISSUE DATE: May 22, 1997

EXPIRATION DATE: May 22, 1999

FACILITY DESCRIPTION: The Pitsch Sanitary Landfill consists of 78.44 acres located in the N 1/2 of the NE 1/4 of Section 7, T8N, R7W, Orleans Township, Ionia County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: Phases III and IV

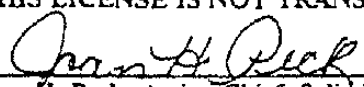
RESPONSIBLE PARTY TO CONTACT: Mr. Gary Pitsch, Vice President
Pitsch Sanitary Landfill, Inc.
675 Richmond, N.W.
Grand Rapids, Michigan 49504
616-363-4895

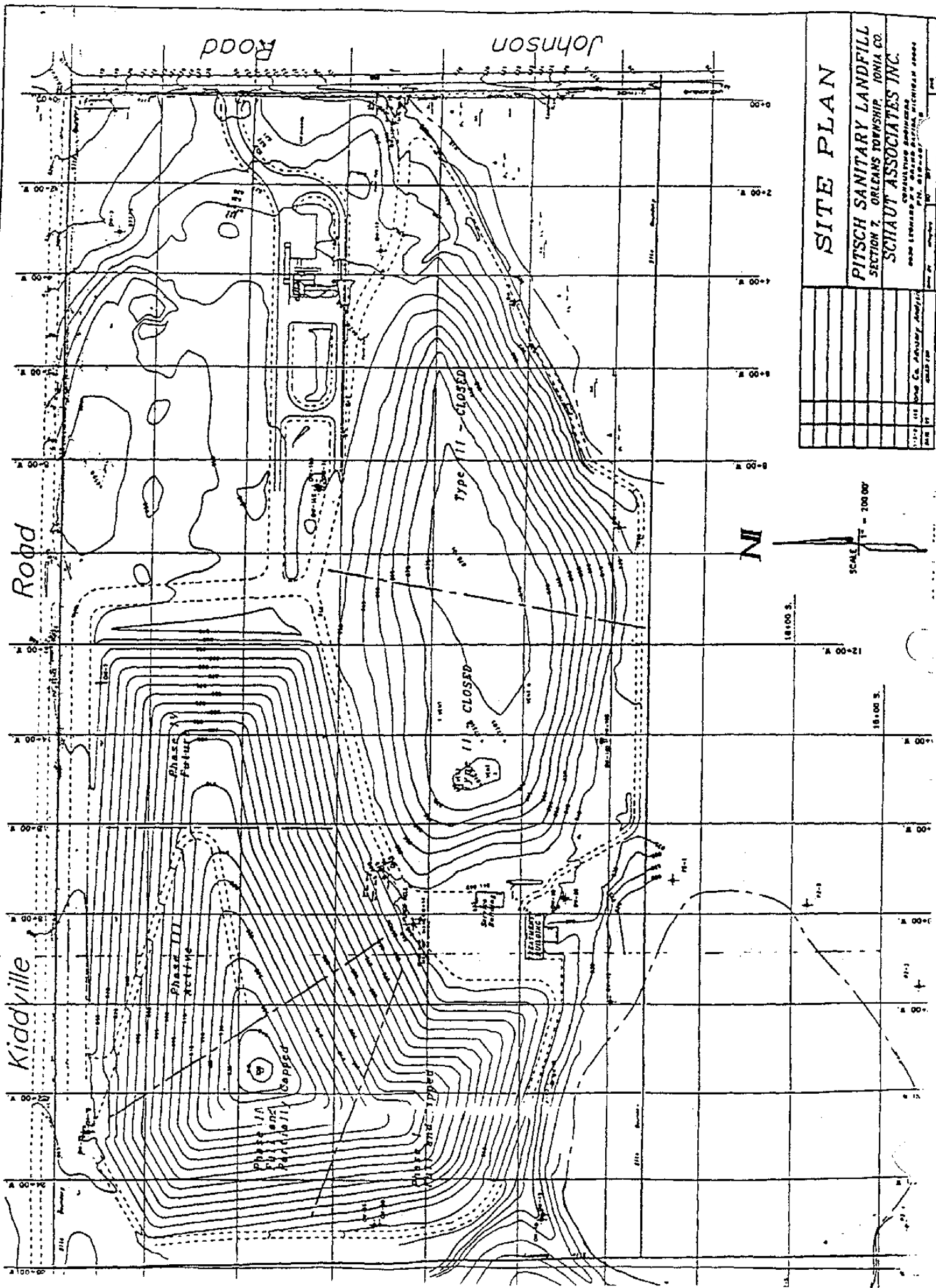
☒ FIRST OPERATING LICENSE: This License No. 8456 is the first license issued for Phase IV.

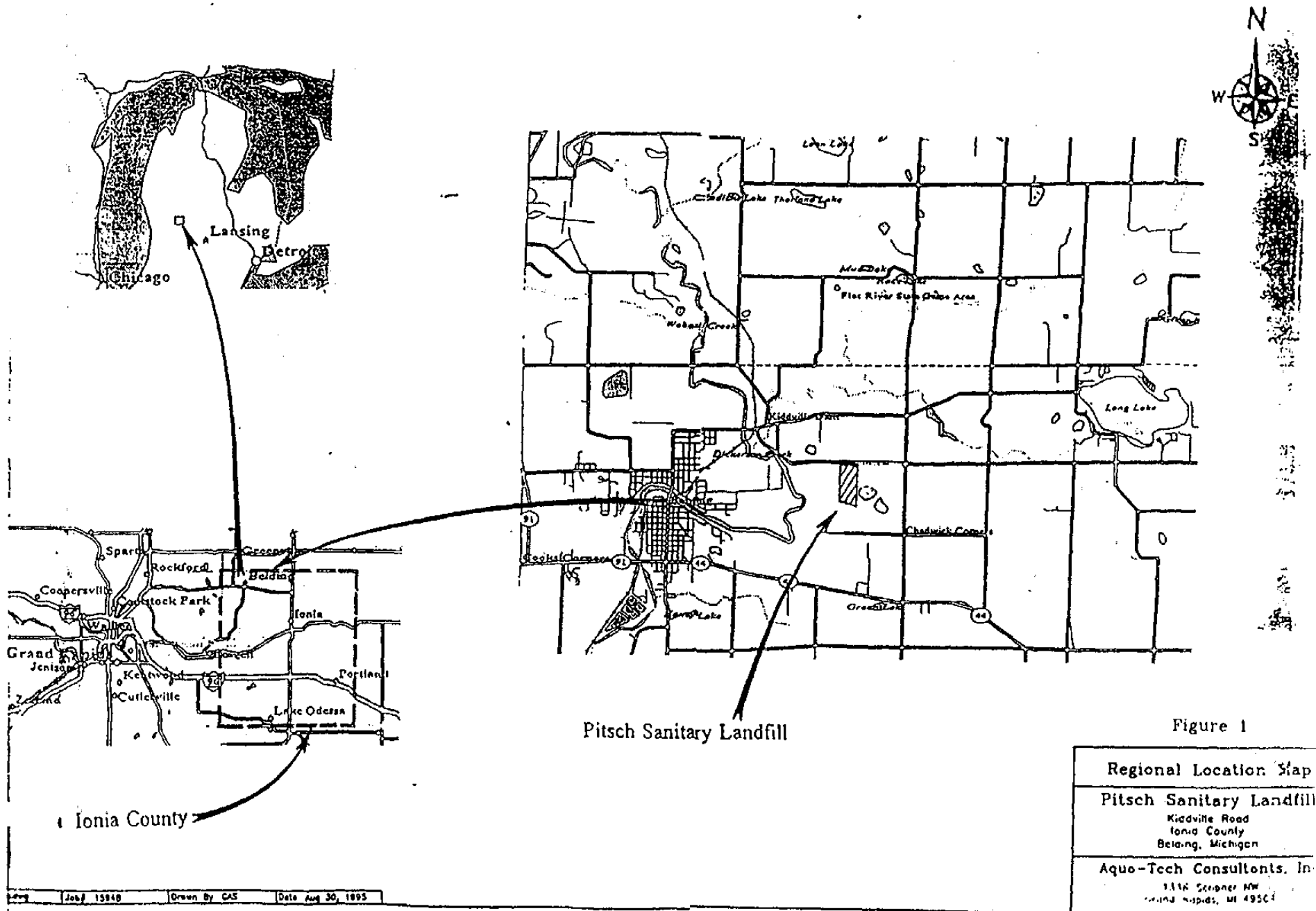
☒ RENEWAL OPERATING LICENSE: This License No. 8456 supersedes and replaces Solid Waste Disposal Area License No. 8061 issued to Pitsch Wrecking Company on April 12, 1993, as it pertains to Phases I through III

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

THIS LICENSE IS NOT TRANSFERABLE.


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





TO: Don Kellman

From:

Proposal for Type II Landfill Expansion
in Ionia County

Rec'd from
Leo 1/6/97

I. Introduction

Pitsch Companies has operated a Sanitary Landfill in Orleans Township since February of 1973. Landfill operations were originally conducted in landfill cells identified as Act 87 Type II and Act 87 Type III. Final closure of those two cells was certified on January 25, 1988 and April 20, 1995 respectively. Landfill operations were continued in new landfill cells constructed under Act 641 rules. These cells are identified as Phase I, Phase II, Phase III, and Phase IV. The Phase I cell has been brought up to finish grade and receives no additional waste. It was certified partially closed on July 14, 1995 and final closure was certified June 27, 1997. The Phase II cell has been brought up to final grades and receives no additional waste. It was certified as partially closed on June 27, 1997.

The Phase III cell, totaling 6.12 acres is currently authorized to receive waste. Phase III however, is rapidly reaching final elevations.

The Phase IV cell, totaling 3.75 acres is currently receiving waste. This cell is the last cell constructed on the site and is estimated to meet waste disposal needs for approximately 3 years.

Pitsch companies wish to expand their solid waste landfill capacity by expanding the landfill on the adjoining property west of the existing site. The proposed landfill expansion is under design to conform to Part 115 of P.A. 451 as amended (NREPA).

The environmental assessment, which is required by the Act 451 rules, must document consistency with the Ionia County Solid Waste Management Plan. The Ionia County Solid Waste Management Plan was developed in September 1989 and amended in October 1992. According to the Plan, the county must identify 20 years of solid waste disposal capacity at specific sites or provide a mechanism which guarantees that new solid waste disposal facilities can be sited. Section I of the amendment details this mechanism. The County Plan states that "Any proposed disposal facility which offers disposal capacity needed during the 20-year planning period and which meets the criteria set forth in this amendment is consistent with this Plan." Since Ionia County

does not have 20 years of documented disposal capacity, the consistency determination is based solely on meeting the siting criteria.

II. General Information

Part A of Section I requires the following information be provided with the proposal

a.) SITE PLAN

Site plans have been included that show the locations and dimensions of perimeter fences and berms, a landscaping plan, separation distances, ingress and egress points and public thoroughfares providing access

b.) OPERATIONS PLAN

The landfill hours of operation will be from 7 a.m. to 5 p.m. on Monday through Friday and from 7 a.m. to 12 p.m. on Saturdays.

Dumping will occur on essentially level areas of the open face with waste materials moved by dozer to the location being compacted. Prompt compaction will reduce the nuisance of windblown debris. High fencing downwind of the open face catch windblown debris which is picked up manually as required. After heavy winds and wind direction reversals, windblown debris will be picked up manually.

In order to control dust, equipment will be provided to spray water on the access roads

After final closure of a cell is completed, effective vegetative cover will be established by using the proper methods for site preparation, material selection, planting techniques, and maintenance. A high quality growing medium with an adequate supply of nutrients and good water holding capacity will be applied to the surface. The appropriate seeds will be selected for the specific site. Seedlings will be applied at a large enough application rate so they can become adequately established. Mulch will be applied at a high enough rate to protect the soil surface from rain splash and will be anchored in place with crimping, mulch tackifiers, or erosion control netting. Actual coverage will be measured on the final cover to ensure that the design assumptions are met. If the level of coverage is not being achieved, additional seeding will be provided

c.) ROAD IMPROVEMENTS AND/OR MAINTENANCE

The County Plan requires the developer to make a commitment to upgrade the access roads needed to reach the landfill so that such access roads conform to Design Guidelines Adapted for All-Season County Roads, (revised January 1989) and incorporating standards of the AASHTO. Such upgrading is to be carried out before any waste is received for disposal.

The county currently imposes a surcharge of 4% on the tipping fee charged by the landfill for disposal of waste. 35% of the tipping fee is remitted to the township and such funds may be used for any purpose. However, these funds were intended to be used for expenses arising from the landfill presence in the community, such as road maintenance, periodic reviews, handling complaints, etc. An additional 15% is remitted to the township to establish and promote resource recovery projects such as recycling and composting. The remaining 50% is placed in a special county fund which is intended to promote resource recovery projects throughout the county.

As part of the process of updating the Ionia County Solid Waste Plan, the language dealing with the Access Road Upgrading and the uses of the surcharge funds is under active consideration by the Ionia County Board of Commissioners. Revisions to the Plan incorporating the conclusion of these current deliberations are anticipated. Pitsch Companies are committed to conform to the Ionia County Solid Waste Plan as updated by the foregoing deliberations.

d) Information Indicating Waste Volumes and Sources

The current Pitsch Sanitary Landfill receives approximately 100,000 tons of waste per year (note: approximately 33% is from Ionia County). This volume is expected to increase as the population increases. Census data for Ionia County shows an increase of 10% from 1980 to 1990, and a projected increase of 7.5% from 1990 to 2000. The counties to be served and maximum quantities accepted will be in conformance with the County Plan.

e.) Agreement to report required data

As an operational requirement of the County Plan, the facility developer must provide the following data to the County Solid Waste Planning Agency:

1. The area and volume the proposed landfill expansion is expected to provide at capacity is as follows:

Phase	Acres	Cubic Yards
5	10.75	785,510
6	11.60	1,634,300
7	8.59	1,111,440
8	<u>10.34</u>	<u>1,085,200</u>
Total:	41.28	4,616,450

2. The estimated time expected to reach capacity is calculated based on a current annual intake of 100,000 tons per year with a uniform increase of 0.75% per year (in concurrence with the estimated population increase), and by using the assumption in the County Plan that one ton of waste occupies two cubic yards when compacted.

Phase	Average Yearly Generation (cu yds)	Estimated Life (years)
5	206,000	3.81
6	218,360	7.48
7	226,549	4.91
8	<u>235,044</u>	<u>4.62</u>
Total:	885,953	20.82

3. Reporting information will be as requested by the County Plan

III. Siting Criteria

Part D of Section I, entitled "Disposal Area Siting Criteria" details the specific siting requirements of the County Plan. The following narrative provides the necessary information to prove consistency with the County Plan.

The proposed expansion is located on a 70 acre parcel of unzoned land which meets the requirements set forth in the County Plan. The land is not State or Federally owned and is not registered under the Farmland and Open Space Preservation Act, 1974 PA 116.

There are not more than 25 dwelling units within a 1,500 foot radius drawn from any point on the perimeter of the active waste management area of the proposed landfill expansion.

The proposed facility's site provides direct access to all-season roads, including traffic to off-site sources of cover material. The language in regards to upgrading the access roads to AASHTO specifications is currently being updated. As stated above, Pitsch Companies are committed to conform to the Ionia County Solid Waste Management Plan.

The active filling or working area of the proposed disposal facility is isolated from other land uses or property lines as follows (as seen on Figure).

<u>Land Use</u>	<u>Minimum Separation Distance</u>
Existing domiciles	300' from property line
Public water supply wells (serve more than a single family residence).....	2,000'
Churches, schools, municipal parks, campgrounds.....	800'
Other developed land uses, including road ROW, commercial bldgs., industrial land use, agricultural structures, permanent lakes/streams, vacant platted land.....	100' from property line

The proposed facility is not located within 10,000 feet of a runway of a licensed public use airport as licensed by the Michigan Aeronautics Commission. The proposed facility is not located within a 100 year floodplain as defined by 929 PA 245 as amended, the Water Resources Commission Act.

IV. Summary

In addition to the items discussed above, the plan requires an annual reporting system between the landfill operator and the Ionia County Planning Commission consisting of:

1. Fluctuations in volumes received
2. space remaining in present cell
3. Expected closure date
4. Other information that might affect capacity
5. Report by Ionia County Health Department

The reporting system will be in the form and time developed by the Planning Commission

Pitsch Companies is dedicated to providing a safe and economical means of disposing solid waste for Ionia County, and to conforming to the Ionia County Solid Waste Management Plan in addition to the Act 451 rules. As the disposal capacity is needed and the siting criteria met, we request that this proposal be found consistent with the Ionia County Solid Waste Management Plan

FACILITY DESCRIPTIONS

Facility Type: Waste to Energy

Facility Name: Kent County Waste to Energy Facility

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

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: South Kent Landfill

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

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

Site Size:

Total area of facility property: acres

Total area sited for use: acres

Total area permitted: acres

Operating: acres

Not excavated: acres

Current capacity: 625/day ☒ tons or ☐ yds³

Estimated lifetime: years

Estimated days open per year: 310 days

Estimated yearly disposal volume: 194,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: 72/day megawatts 116,000 lbs. Of steam/hr

FACILITY DESCRIPTIONS

Facility Type: Recycle & Disposal Facility – Non-Hazardous

Facility Name: Venice Park Recycling & Disposal Facility

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

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

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

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

Operating Status (check)

☒ open
☐ closed
☐ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☒ other: Non-hazardous liquids for solidification

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

Contaminated soils, sludges, filter cake, process wastes, coal ash, foundry sand, chemical containing equipment, used containers, treated medical waste, contaminated demolition debris, street sweeping, sediment trap materials, asbestos.

Site Size:

Total area of facility property: 331 acres
Total area sited for use: 80 acres
Total area permitted: 69 acres
Operating: 41 acres
Not excavated: 2.5 acres
Current capacity: 1,300,000 ☐ tons or ☒ yds³ Bank remaining
Estimated lifetime: 2.5 years
Estimated days open per year: 286 days
Estimated yearly disposal volume: 526,000 ☐ tons or ☒ yds³

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: Recycling

Facility Name: Central Sanitary Landfill

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

Map identifying location included in Attachment Section: ☒ Yes

☐ No

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

☐ Public ☒ Private Owner: Allied Waste

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Recyclables

* 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 ☐ yds³

Estimated lifetime: _____ years

Estimated days open per year: _____ days

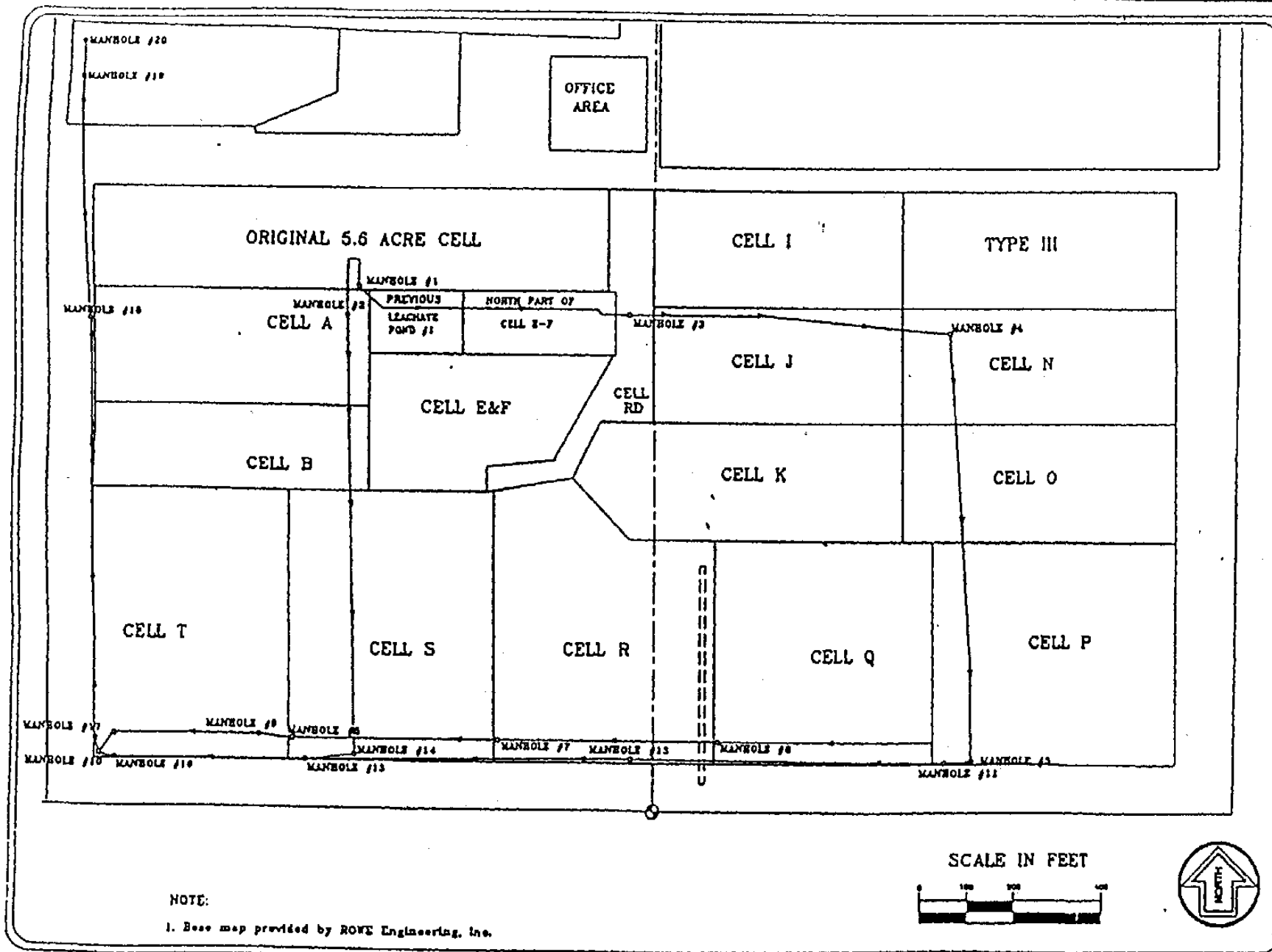
Estimated yearly disposal volume: _____ ☐ tons or ☐ yds³

(if applicable)

Annual energy production:

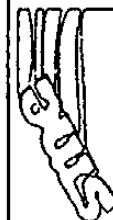
Landfill gas recovery projects: _____ megawatts

Waste-to-energy incinerators: _____ megawatts



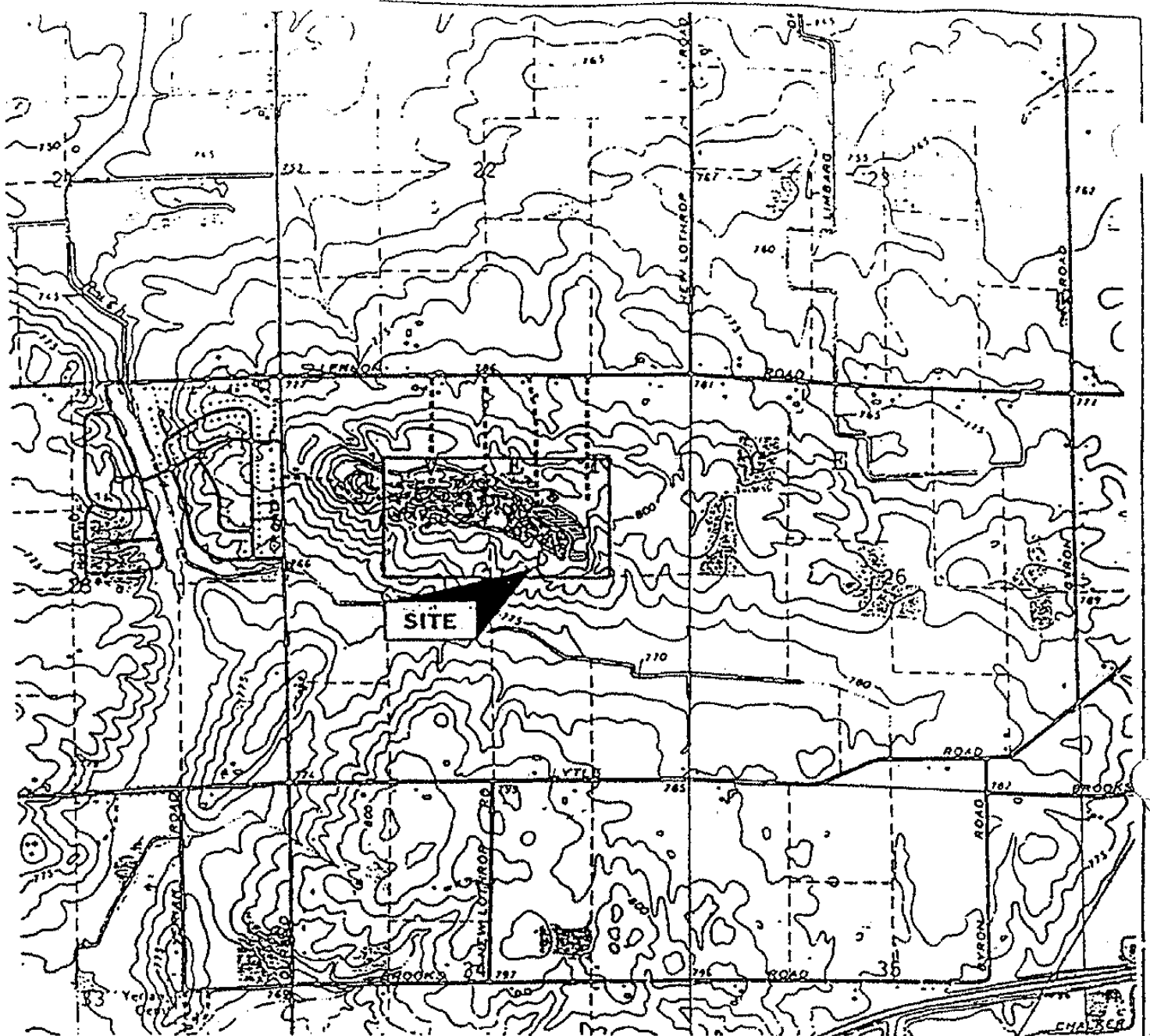
SITE PLAN
VENICE PARK RECYCLING AND DISPOSAL FACILITY
9536 LENNON ROAD
LENNON, MICHIGAN

DATE: 4-18-97
SCALE: 1" = 200'
DRAFTER: ARR/AM
JOB: PE 27575

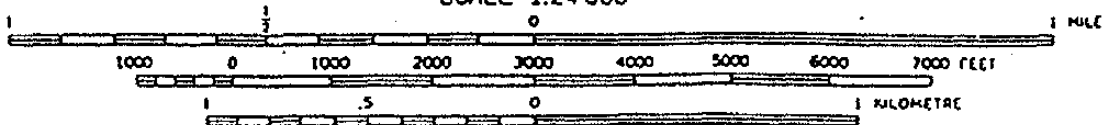


FILE NAME: H:\VENICE\77575-07

Figure No. 2



SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DURAND QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)

1969
PHOTOREVISED 1975
AMS 4269 IV NW-SERIES V862



Date
4-17-97
Drawn By
ARR
Scale
AS SHOWN
Job
PE 27575

BAY CITY
KALAMAZOO
LANSING
PLYMOUTH
TOLEDO

sme
soil and materials
engineers, inc

SITE LOCATION MAP
VENICE PARK RECYCLING & DISPOSAL FACILITY
9536 LENNON ROAD
LENNON, MICHIGAN

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: ☒ Yes ☐ No

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

☐ Public ☒ Private Owner: Allied Waste

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Yard waste

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

Site Size:

Total area of facility property:	<u>315</u>	acres
Total area sited for use:	<u> </u>	acres
Total area permitted:	<u>N/A</u>	acres
Operating:	<u>10</u>	acres
Not excavated:	<u>N/A</u>	acres
Current capacity:	<u>N/A</u>	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>N/A</u>	years
Estimated days open per year:	<u>306</u>	days
Estimated yearly disposal volume:	<u>780</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: Transfer Station

Facility Name: Waste Management

County: Montcalm Location: Town: Greenville Range: Section(s):

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 : Pierson Landfill & Pitsch Sanitary Landfill

☒ Public ☐ Private Owner: City of Greenville

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Grinding swarf, graphite powders.

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:	—	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	—	years
Estimated days open per year:	—	days
Estimated yearly disposal volume:	—	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: North Kent Transfer Station

County: Kent Location: Town: TRN Range: R11W Section(s): 2 & 3

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 : South Kent Landfill

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other: _

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

Site Size:

Total area of facility property: _____ acres

Total area sited for use _____ acres

Total area permitted: _____ acres

Operating: _____ acres

Not excavated: _____ acres

Current capacity: _____ ☐ tons or ☐ yds³

Estimated lifetime: _____ years

Estimated days open per year: 310 days

Estimated yearly disposal volume: 22,000 ☒ tons or ☐ yds³

(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: Eco systems Transfer Station – Waste Management

County: Ionia Location: Town: 7N Range: 6W 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 : Autumn Hills Recycling & Disposal (Ottawa Co.). City Environmental Service Hastings Landfill (Barry Co.). Venice Park Landfill (Shiawassee Co.)

☐ Public ☒ Private Owner: Waste Management of Michigan - Midwest

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☒ other: _

* Explanation of special wastes, including a specific list and/or conditions: Recyclables are glass, metal, plastic, newspaper, cardboard. Special wastes are grinding, sludges. Demolition processing.

Site Size:

Total area of facility property:	<u>12.21</u>	acres
Total area sited for use	<u>12.21</u>	acres
Total area permitted:	<u>12.21</u>	acres
Operating:	<u>12.21</u>	acres
Not excavated:	<u>N/A</u>	acres
Current capacity:	<u>N/A</u>	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>N/A</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>N/A</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

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



Michigan Department of Environmental Quality
Waste Management Division
SOLID WASTE DISPOSAL AREA OPERATING LICENSE

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

FACILITY NAME: Eco Systems Transfer Station

GRANTED TO: Waste Management of Michigan - Midwest

TYPE OF FACILITY: Solid Waste Transfer Station

FACILITY ID: 34-000003

COUNTY: Ionia

LICENSE NUMBER: 8621

ISSUE DATE: May 19, 1999

EXPIRATION DATE: May 19, 2001

FACILITY DESCRIPTION: The Eco Systems Transfer Station is located in the NW 1/4 of the NE 1/4 of Section 32, T7N, R6W Ionia Township, Ionia County, Michigan, as fully described in this license.

AREA AUTHORIZED FOR THE ACCEPTANCE AND/OR PLACEMENT OF SOLID WASTE: Identified in Attachment A of this license.

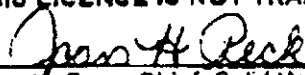
RESPONSIBLE PARTY TO CONTACT: Mr. Keith Hester, District Manager
Waste Management of Michigan - Midwest
1668 Porter Street, S.W.
Grand Rapids, Michigan 49509
616-538-1921 (Ext 120)

☐ **FIRST OPERATING LICENSE:** N/A

☒ **RENEWAL OPERATING LICENSE:** This License Number 8621 supersedes and replaces Solid Waste Disposal Area License Number 8441 issued to Waste Management of Michigan - Midwest on February 27, 1997.

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

THIS LICENSE IS NOT TRANSFERABLE.


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



VENICE PARK RECYCLING & DISPOSAL FACILITY
A WASTE MANAGEMENT COMPANY

9546 East Lennart Road
Lennon, MI 48449
(810) 631-9080
(810) 621-3156 Fax

September 30, 1999

Michele A. Stemler
Resource Recovery Coordinator
Ionia County
100 Library St
Ionia, Michigan 48846

Re: Ionia Transfer Station

Dear Ms Stemler,

Please consider this correspondence as Waste Management's request to include the transfer station located at 2076 Clyde Road, in the Ionia County Solid Waste Planning Update

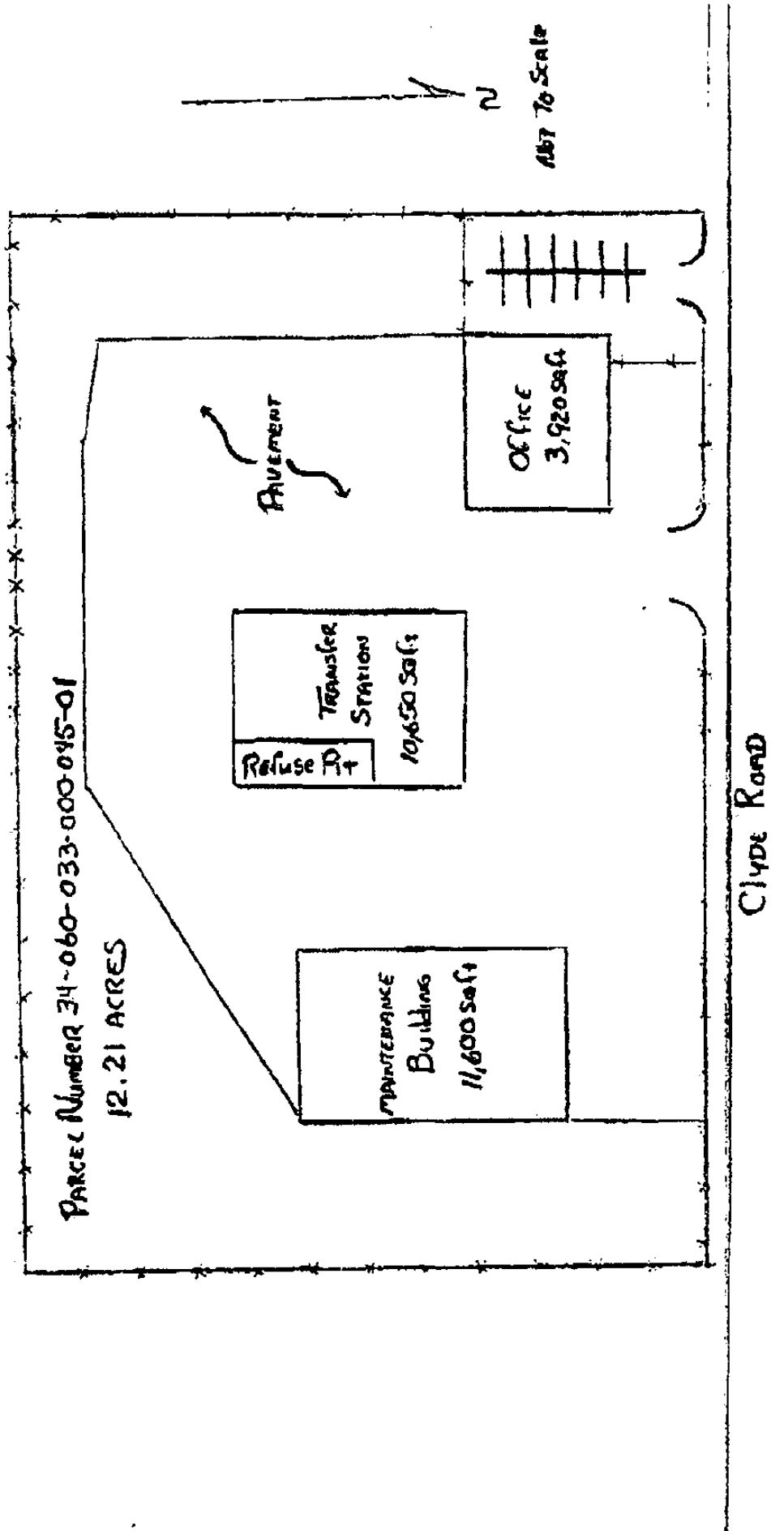
As you can see on the facility plan, Waste Management intends to process construction and demolition waste in the future by removing untreated wood wastes, drywall and metal to further reduce the amount of this type of material that would normally be sent to the landfill.

If you have questions or if I can be of assistance please feel free to call me at 616-945-2260.

Sincerely,


Steve Essling

ATTACHMENT A



Eco-Systems Transfer Station
2130 Clyde Road
Tonia Michigan

DATA BASE

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE

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

The County has five entities which provide collection service throughout the whole county. These collection providers are all privately owned. The following chart summarizes the collection services for the County.

<u>Service Provider & Area</u>	<u>Payment</u>	<u>Disposal Facility</u>
Allied Disposal – County Previously known as Denny's Disposal	Customer	Pitsch Landfill Hastings Landfill
Les' Sanitary Service - Lake Odessa, Saranac Clarksville, & Surrounding Areas	Customer	Hastings Landfill
Pick-A-Dilley Disposal – Ionia, Lyons, Muir, & Portland	Customer	Pitsch Landfill Granger Landfill (Clinton County)
Pitsch Sanitary Division – Ionia, Belding, Saranac, & Muir	Customer	Pitsch Landfill
Waste Management – County	Customer	Pitsch Landfill Central Landfill (Montcalm County)

DATA BASE

EVALUATION OF DEFICIENCIES AND PROBLEMS

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

- ❑ No problems exists.
- ❑ Fewer recycling opportunities exist due to closing of transfer station in Ionia area and the discontinuation of Portland Area Recyclers monthly drop-off. Some residents will stop recycling because they are unwilling to pay for curbside collection.
- ❑ Curbside pick-up of recyclables in rural areas are inefficient because of long distances between pick-ups.
- ❑ Enforcement of SWMP lacking because no county entity is specifically designated for enforcement.
- ❑ Composting opportunities limited for county residents.
- ❑ Less resource recovery education done presently than in the past because of lack of time.
- ❑ Abundance of landfill disposal capacity reduces the incentive to recycle.

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.

POPULATION CENTER	YEAR 1999	YEAR 2003	YEAR 2008
Ionia County	59,934	61,131	62,967
Berlin Twp.	3,791	3,886	3,982
Boston Twp.	4,529	4,619	4,758
Campbell Twp.	1,905	1,943	2,001
Danby Twp.	2,490	2,539	2,616
Easton Twp.	5,653	5,766	5,939
Ionia Twp.	3,311	3,377	3,478
Keene Twp.	1,445	1,474	1,518
Lyons Twp.	3,440	3,509	3,614
North Plains Twp.	1,400	1,428	1,470
Odessa Twp.	4,079	4,161	4,286
Orange Twp.	1,099	1,121	1,155
Orleans Twp.	2,675	2,729	2,811
Otisco Twp.	1,956	1,995	2,055
Portland Twp.	2,502	2,552	2,629
Ronald Twp.	1,801	1,837	1,892
Sebewa Twp.	1,218	1,242	1,280
City of Belding	6,267	6,393	6,585
City of Ionia	6,290	6,415	6,608
City of Portland	4,083	4,165	4,290

The population in Ionia County is expected to increase approximately 5% between 1999 and 2008. Total waste generation is expected to rise about 7%, however, we are projecting that waste needing disposal will only increase 4% due to continued resource recovery efforts. This will reduce the percent of Ionia County's waste needing disposal from 74% to 72%.

YEAR	TOTAL WASTE GENERATED	TOTAL WASTE NEEDING DISPOSAL
1999	54,026 tons	40,000 tons
2003	55,647 tons	40,700 tons
2008	57,808 tons	41,600 tons

Total waste generation needing disposal for the next ten years is approximately 408,000 tons.



Ionia County

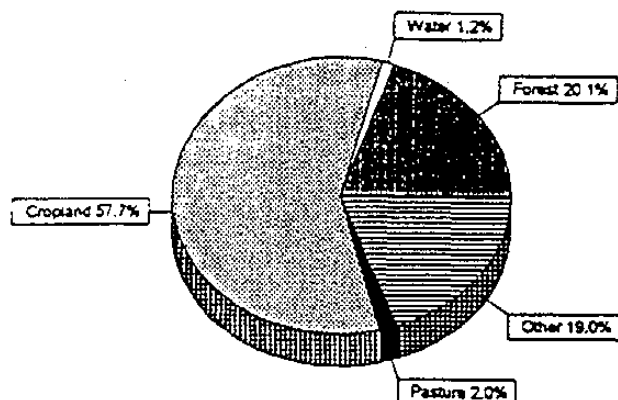


1996



LAND USE

Total County Acres = 371,365



POPULATION

YEAR	NUMBER OF HOUSEHOLDS	TOTAL POPULATION
1995	NA	59,846
1990	18,364	57,024
1980	16,230	51,815
1970	12,809	45,848
1960	11,506	43,132

LABOR FORCE

ITEM	1995	1990
TOTAL LABOR FORCE	27,200	26,950
EMPLOYMENT	25,550	24,200
MANUFACTURING	4,175	3,725
CONSTRUCTION	525	350
PRIVATE	6,000	5,650
GOVERNMENT	5,000	5,375
UNEMPLOYMENT	1,650	2,750
UNEMPLOYMENT RATE %	6	10.2

FARM INCOME AND EXPENSES

ITEM	1994	1990	1980	1970
	\$1,000			
INCOME	102,654	97,857	67,809	27,825
LIVESTOCK & PRODUCTS	62,476	59,901	36,749	16,566
CROPS	31,183	27,134	25,867	6,810
GOVERNMENT PAYMENTS	2,404	4,286	160	1,732
OTHER INCOME	6,591	6,536	5,033	2,717
EXPENSES	102,848	90,774	63,058	20,427
FEED PURCHASED	17,410	13,817	7,136	2,256
LIVESTOCK PURCHASED	5,402	4,576	3,426	2,147
SEED PURCHASED	4,449	3,307	2,147	476
FERTILIZER, LIME & CHEMICALS ¹	11,521	8,941	7,803	1,984
OTHER PRODUCTION EXPENSES	64,066	60,133	42,546	13,564
NET INCOME	-194	7,083	4,751	7,398

FARMS AND FARM SIZE

CENSUS YEAR	NUMBER OF FARMS ³	NUMBER OF FARMS OVER \$10,000 IN SALES	AVERAGE FARM SIZE (ACRES)	LAND IN FARMS (ACRES)	TOTAL CROPLAND (ACRES)	AVERAGE AGE OF FARMER (YEARS)
1992	1,007	570	253	254,793	214,228	50.8
1987	1,089	546	233	253,500	207,677	49.4
1982	1,187	648	205	242,776	195,746	48.5
CHANGE FROM 1982 TO 1992						
NET CHANGE	-180	-78	48	12,017	18,482	2.3
% CHANGE	-15	-12	23	5	9	5

¹ Chemicals not included in 1970.² A farm is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.³ Less than \$50,000.⁴ Withheld to avoid disclosing data for individual farms.

FIELD CROPS

CROP	1995 RANK	HARVESTED ACRES			PRODUCTION			VALUE OF PRODUCTION		
		1995	1990	1985	1995	1990	1985	1995	1990	1985
		1,000			1,000			\$1,000		
BARLEY, BU	—	—	0.5	1.0	—	30	55	—	50	113
BEANS, DRY, ALL, CWT	18	2.5	4.4	10.8	38	69	160	707	1,256	2,400
BEANS, DRY, NAVY, CWT	12	1.7	4.0	10.4	26	60	153	—	—	—
BEANS, DRY, OTHER, CWT	18	0.8	0.4	—	13	9	—	—	—	—
CORN FOR GRAIN, BU	16	55.5	60.0	74.0	6,400	6,750	8,092	20,480	14,918	17,317
CORN FOR SILAGE, TONS	6	10.0	7.0	8.5	140	102	128	—	—	—
HAY, TONS	10	28.0	—	—	125	—	—	8,000	—	—
OATS, BU	18	1.6	7.5	13.0	95	310	839	157	375	982
POTATOES, CWT	—	—	—	0.1	—	—	25	—	—	110
SOYBEANS, BU	8	48.8	30.8	22.3	2,030	1,080	750	13,398	6,080	3,698
WHEAT FOR GRAIN, BU	9	26.2	30.5	30.0	1,550	1,565	1,880	6,355	3,756	5,339

LIVESTOCK

SPECIES	1995 RANK	INVENTORY			VALUE OF PRODUCTION		
		1995	1990	1985	1995	1990	1985
		1,000			\$1,000		
ALL CATTLE AND CALVES, JAN 1, 1996	6	38.0	40.0	42.5	19,000	28,400	28,050
MILK COWS, JAN 1, 1996	6	11.5	13.5	13.7	13,225	14,310	12,536
BEEF COWS, JAN 1, 1996	10	3.0	2.2	2.7	—	—	—
MILK PRODUCTION, MIL LBS	6	200.0	190.0	186.0	26,000	26,600	23,678
ALL HOGS & PIGS, DEC 1	10	30.0	36.0	37.0	2,340	3,312	2,553
SOWS FARROWED, DEC 1	10	5.6	7.0	6.0	—	—	—
SHEEP & LAMBS, JAN 1, 1996	23	1.3	2.0	2.0	122	154	137
IS AND PULLETS OF LAYING AGE, DEC 1	3	—	860.0	1,050.0	—	—	—

VEGETABLES, 1995

VEGETABLE	TOTAL		FRESH MARKET		PROCESSING	
	FARMS	PLANTED ACRES	FARMS	PLANTED ACRES	FARMS	PLANTED ACRES
CORN, SWEET	—	—	13	200	—	—
ONIONS	4	300	—	—	—	—
PUMPKINS	7	35	—	—	—	—

FRUIT, 1994

NURSERY AND CHRISTMAS TREES, 1993

CROP	FARMS		ACRES		ITEM	OPERATIONS		ACRES
APPLES	31		1,900		NURSERIES	8		80
PEACHES	9		10		CHRISTMAS TREES	12		400
ALL FRUIT	34		1,930					

IONIA LMA

**IONIA LMA WAGE & SALARY
EMPLOYMENT (Place of Work)**

	<u>A.A.</u> <u>1997</u>	<u>A.A.</u> <u>1998</u>	<u>% CHG.</u>
Total Employment	16,000	16,375	2.3
Construction & Mining	700	725	3.4
Manufacturing	3,975	4,050	1.9
Transportation, Communications, and Utilities	400	400	0.0
Wholesale Trade	375	375	0.0
Retail Trade	2,950	3,075	4.1
Finance, Insurance, Real Estate	650	625	-3.8
Services	2,425	2,475	2.0
Government	4,550	4,675	2.7

IONIA LMA (Place of residence)

	<u>A.A.</u> <u>1997</u>	<u>A.A.</u> <u>1998</u>	<u>% chg.</u>
Labor Force	27,000	27,375	1.4
Employment	25,600	26,125	2.0
Unemployment	1,400	1,250	-10.7
Unemployment Rate	5.2	4.6	xxx

Michigan (in thousands)

Labor Force	4,986	5,049	1.2
Employment	4,776	4,859	1.7
Unemployment	210	190	-9.5
Unemployment Rate	4.2	3.8	xxx

The 1996 estimated population of Ionia LMA was 60,378. This represents 0.6% of the population of Michigan, and is a 5.6% increase from the 1990 population estimate of 57,024. In 1996 the per capita income of Ionia LMA was \$17,279.

Source: Michigan Jobs Commission, Employment Service Agency, Office of Labor Market Information.

Area: Ionia County LMA

1997	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann Av
Nonfarm Labor Force (Place of Res.)	26700	26625	26575	26475	27250	27575	27775	27925	27025	27000	26625	26500	27000
Employment	24875	24925	24950	25150	25975	26050	25925	26675	25875	25875	25575	25475	25600
Unemployment	1825	1700	1625	1325	1275	1525	1850	1250	1150	1100	1050	1025	1400
Rate	6.9	6.4	6.2	5.0	4.7	5.5	6.6	4.5	4.3	4.1	4.0	3.9	5.2
Wage and Salary Emp. (Place of Work)	15575	15600	15675	15800	16225	16225	15900	16275	16250	16225	16050	16075	16000
Goods Producing Industries	4625	4550	4525	4550	4675	4700	4700	4825	4800	4750	4725	4675	4675
Construction and Mining	575	575	575	650	725	750	800	775	750	725	700	675	700
Mining	X	X	X	X	X	X	X	X	X	X	X	X	X
Construction	X	X	X	X	X	X	X	X	X	X	X	X	X
Manufacturing	4050	3975	3925	3900	3925	3950	3900	4050	4025	4025	4025	4000	3975
Durable Goods	3525	3450	3400	3375	3375	3375	3275	3400	3425	3475	3450	3450	3425
Lumber and Wood Products	100	100	100	100	100	100	100	100	100	100	100	100	100
Furniture and Fixtures	75	100	100	100	100	100	100	100	100	100	100	100	100
Stone, Clay, Glass, Concrete	50	50	50	50	50	50	50	50	50	50	50	50	50
Metals	900	900	900	875	900	900	850	900	900	950	925	925	900
Primary Metal Products	X	X	X	X	X	X	X	X	X	X	X	X	X
Fabricated Metal Products	X	X	X	X	X	X	X	X	X	X	X	X	X
Industrial Mach. & Computers	525	525	525	525	550	525	525	550	575	575	575	575	550
Elect. Eqpt. Except Computers	A	A	A	A	A	A	A	A	A	A	A	A	A
Motor Vehicles & Equipment	1850	1775	1700	1675	1650	1650	1600	1675	1650	1675	1675	1675	1675
Instr./Photog./Med./Optical	A	A	A	A	A	A	A	A	A	A	A	A	A
Miscellaneous Durable Goods	A	A	A	A	A	A	A	A	A	A	A	A	A
All Other Durable Goods	50	50	50	25	25	25	25	25	25	25	25	25	25
Non-durable Goods	525	525	525	525	550	575	625	650	600	575	575	575	575
Food and Kindred Products	250	250	250	250	275	275	325	350	300	275	275	275	275
Textiles and Apparel	B	B	B	B	B	B	B	B	B	B	B	B	B
Printing and Publishing	B	B	B	B	B	B	B	B	B	B	B	B	B
Rubber and Plastics Products	175	175	175	175	175	175	175	175	175	175	175	175	175
All Other Non-durable Goods	100	100	100	100	125	125	100	125	100	125	125	125	100
Service Producing Industries	10925	11050	11150	11225	11550	11525	11200	11450	11475	11475	11325	11400	11325
Private Sector Service Industries	6375	6400	6475	6650	6900	7000	7075	7125	6950	6800	6700	6750	6775
Transp., Commun. and Utilities	375	375	375	375	375	375	375	375	400	425	425	425	400
Railroads	X	X	X	X	X	X	X	X	X	X	X	X	X
All Other Trans., Comm. & Ut.	X	X	X	X	X	X	X	X	X	X	X	X	X
Trade	3175	3150	3200	3250	3350	3425	3350	3400	3400	3350	3325	3375	3325
Wholesale Trade	350	350	375	350	375	375	375	375	375	375	375	375	375
Wholesale Durable Goods	225	225	250	225	250	250	250	250	250	250	250	250	250
Wholesale Non-durable Goods	125	125	125	125	125	125	125	125	125	125	125	125	125
Retail Trade	2825	2800	2825	2900	2975	3050	2975	3025	3025	2975	2950	3000	2950
General Merchandise Stores	500	475	475	475	500	500	500	500	500	525	525	525	500
All Other Retail Trade	2325	2325	2350	2400	2500	2550	2475	2525	2550	2450	2425	2475	2450
Finance, Insurance, Real Estate	625	650	650	650	650	650	675	650	650	625	625	650	650
Private Services	2200	2225	2275	2375	2525	2550	2675	2675	2500	2400	2325	2300	2425
Services: SIC 7000 - 7999	775	800	825	900	1000	1025	1225	1225	1000	900	850	825	950
Services: SIC 8000 - 8999	1425	1425	1450	1475	1525	1525	1450	1450	1500	1500	1475	1500	1475
Government	4550	4650	4700	4600	4650	4525	4125	4325	4500	4675	4625	4650	4550
Federal Government	125	125	125	125	125	125	125	125	125	125	125	125	125
Post Offices	100	100	100	100	100	100	100	100	100	100	100	100	100
All Other Federal Government	25	25	25	25	25	25	25	25	25	25	25	25	25
State Government	2000	2000	2000	2000	2000	2000	2000	2025	2025	2025	2025	2050	2000
Local Government	2450	2525	2575	2475	2525	2400	2025	2175	2350	2550	2475	2500	2425
Local Education	1575	1675	1700	1625	1675	1525	1150	1325	1525	1700	1625	1650	1550
All Other Local Government	875	850	875	850	850	875	875	850	850	850	850	850	850

Source: MJC/Employment Service Agency, Labor Market Analysis Section Analyst: George Mechem, Lansing - (517) 241-7286
Suppressed data in: X = Totals, A = All Other Durables, B = All Other Non-durables, C = All Other Trans., Comm. and Utilities
D = All Other Retail, E = All Other F.I.R.E., F = All Other Svcs. SIC 70-79, G = All Other Svcs. SIC 80-89
: Industry details and subtotals may not sum to totals due to rounding. Benchmarks: CPS 1997/CES 1997 - Issued 01-26-1999

Area: Michigan (83 Counties) - (Data in thousands)

Year: 1997	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann A
Civilian Labor Force (Place of Res.)	4900	4919	4941	4916	4998	5053	5073	5031	4973	5004	5017	5003	
Employment	4637	4670	4699	4706	4807	4831	4822	4846	4790	4834	4839	4829	
Unemployment	263	250	241	210	190	222	250	185	183	170	177	174	210
Rate	5.4	5.1	4.9	4.3	3.8	4.4	4.9	3.7	3.7	3.4	3.5	3.5	4.1
Wage and Salary Emp. (Place of Work)	4333	4355	4394	4417	4484	4480	4402	4421	4483	4517	4522	4545	4440
Goods Producing Industries	1123	1124	1133	1140	1162	1170	1150	1174	1170	1173	1174	1167	1150
Construction and Mining	160	158	163	177	192	200	205	206	203	204	198	188	180
Mining	7	7	7	8	8	8	8	8	8	8	8	7	7
Construction	153	151	156	169	184	191	197	198	196	196	190	181	180
Special Trade Contractors	107	106	109	118	127	132	136	136	134	134	130	124	120
All Other Construction	46	45	47	52	57	60	61	62	61	62	60	57	50
Manufacturing	963	966	969	963	970	970	946	967	966	969	977	979	960
Durable Goods	722	725	728	722	727	726	704	724	723	725	733	734	720
Lumber and Wood Products	17	17	17	17	18	18	18	17	17	17	18	17	1
Furniture and Fixtures	38	38	38	38	39	39	39	39	38	39	39	40	30
Metals	163	164	165	164	165	165	158	162	164	165	166	167	160
Primary Metal Products	36	37	37	37	37	37	35	37	37	37	37	37	30
Fabricated Metal Products	127	127	128	128	129	128	123	125	127	128	129	130	120
Industrial Mach. & Computers	133	134	135	135	136	137	135	135	136	136	137	137	130
Elect. Eqpt. Except Computers	34	34	34	34	34	34	34	34	34	34	35	35	30
Transportation Equipment	293	295	295	289	291	286	276	289	288	287	291	291	280
Motor Vehicles & Equipment	283	285	284	279	280	275	265	279	277	277	281	280	270
Other Transportation Eqpt.	10	10	11	11	11	11	11	11	10	10	10	10	10
All Other Durable Goods	44	44	45	44	45	46	45	46	46	46	46	46	40
Nondurable Goods	241	241	241	241	243	245	242	244	243	244	244	244	240
Food and Kindred Products	40	39	39	40	40	42	42	43	42	43	42	42	40
Textiles and Apparel	19	19	19	19	20	20	19	19	20	19	20	20	10
Paper and Allied Products	21	21	21	21	21	22	22	21	21	21	21	21	20
Printing and Publishing	43	43	44	44	44	44	44	44	44	43	44	44	40
Rubber and Plastics Products	69	69	69	69	69	69	67	68	68	69	69	69	60
All Other Nondurable Goods	48	49	49	49	49	49	49	49	49	49	49	50	40
Service Producing Industries	3210	3231	3261	3277	3322	3310	3251	3248	3313	3344	3347	3378	3290
Private Sector Service Industries	2561	2562	2588	2607	2653	2673	2667	2671	2664	2677	2677	2704	2640
Transp., Commun. and Utilities	169	170	170	171	173	175	174	171	177	176	176	176	170
All Other Transportation	105	105	106	107	109	110	110	106	112	111	111	111	100
Communications	31	31	31	31	31	31	31	31	31	31	31	32	30
Electric, Gas & Sanit. Svcs.	33	33	33	33	33	34	34	34	33	33	33	33	30
Trade	1018	1009	1017	1021	1046	1055	1058	1053	1049	1057	1062	1080	1044
Wholesale Trade	221	222	223	223	227	230	230	230	229	229	228	230	227
Wholesale Durable Goods	146	146	147	147	149	152	151	152	150	150	150	151	140
Wholesale Nondurable Goods	75	76	76	77	78	79	78	78	79	79	78	78	70
Retail Trade	798	787	794	798	819	825	828	823	820	828	834	850	817
Building, Hardware & Garden	35	35	36	38	41	41	41	40	39	39	39	39	30
General Merchandise Stores	133	126	125	126	127	128	128	129	134	140	140	146	130
Food Stores	105	104	105	104	106	109	108	108	108	108	108	110	107
Auto Dealers & Gas Stations	85	85	86	88	90	90	90	89	89	89	89	89	80
Apparel and Accessory Stores	35	33	33	33	33	33	33	33	34	34	35	36	30
Home Furnishings and Eqpt.	35	34	35	35	35	35	34	34	34	35	35	36	30
Eating and Drinking Places	276	276	281	282	293	295	300	294	291	291	287	288	280
Miscellaneous Retail Trade	94	93	94	93	95	95	94	95	96	98	99	104	90
Finance, Insurance, Real Estate	204	204	206	206	207	208	209	208	206	205	205	207	200
Finance, Holding & Oth. Inv.	100	101	101	101	101	102	102	102	101	101	101	102	100
Insurance	66	66	66	67	66	66	66	66	66	66	66	66	60
Real Estate	38	38	38	38	39	40	40	40	39	38	38	39	30
Private Services	1170	1180	1194	1209	1226	1235	1226	1238	1233	1238	1234	1241	1219
Services: SIC 7000 - 7999	472	476	486	498	514	525	518	527	520	518	512	516	507
Business Services	272	275	281	282	285	289	281	291	291	292	294	296	280
Auto Repair, Svcs. & Park.	41	41	42	41	42	42	42	41	41	42	42	41	40
All Other Svcs. SIC 70 - 79	160	160	163	175	187	194	195	188	184	176	178	180	180
Services: SIC 8000 - 8999	698	704	708	711	712	710	708	711	713	721	722	726	712
Health Services	361	363	364	364	366	367	368	369	367	368	368	369	360
Educational Services	44	47	47	47	45	40	37	36	42	47	47	47	40
Social Services	87	88	89	90	90	89	89	90	91	91	92	93	90
Engrg., Acctg., Mgmt. Svcs.	107	108	109	110	111	113	113	115	114	115	116	117	112
All Other Svcs. SIC 80 - 89	98	99	99	100	100	101	101	101	99	100	100	100	100
Government	649	668	673	669	669	637	585	577	649	667	671	674	649
Federal Government	56	56	56	56	56	56	56	56	55	55	55	57	50
Post Offices	30	30	30	30	30	29	29	30	29	29	29	31	30
Federal Medical	6	6	6	6	6	6	6	6	6	6	6	6	6
All Other Federal Government	20	20	20	20	21	21	21	21	20	20	20	20	20
State Government	168	174	174	175	164	149	150	149	169	175	176	174	160
State Medical	13	13	13	13	13	13	13	13	14	14	14	14	10
State Education	92	98	98	99	88	75	75	75	94	100	102	100	100
All Other State Government	63	63	63	63	63	61	62	62	61	61	60	60	60
Local Government	426	438	444	439	449	432	379	371	425	437	440	443	427
Local Medical	13	13	13	13	13	13	13	13	13	13	13	13	13
Local Education	257	269	273	267	272	249	190	186	247	263	266	271	251
All Other Local Government	156	156	158	160	164	170	175	172	165	161	161	160	163

Source: MJC/Employment Service Agency, Labor Market Analysis Section Labor Mkt. Analysis Section, Detroit - (313) 876-5427
 Suppressed data in: X = Totals, A = All Other Durables, B = All Other Nondurables, C = All Other Trans., Commun. and Utilities
 D = All Other Retail, E = All Other F.I.R.E., F = All Other Svcs. SIC 70-79, G = All Other Svcs. SIC 80-89

Area: Michigan (83 Counties) - (Data in thousands)

Year: 1998	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann Av
Civilian Labor Force (Place of Res.)	4974	5000	5008	4964	5049	5112	5095	5094	5044	5082	5096	5072	5049
Employment	4743	4769	4786	4794	4880	4915	4850	4930	4881	4927	4936	4900	4859
Unemployment Rate	231	232	222	170	169	197	245	165	162	155	160	171	190
	4.7	4.6	4.4	3.4	3.3	3.9	4.8	3.2	3.2	3.1	3.1	3.4	3.8
Wage and Salary Emp. (Place of Work)	4434	4462	4469	4509	4572	4577	4429	4514	4576	4610	4614	4613	4531
Goods Producing Industries	1147	1147	1145	1165	1181	1186	1107	1188	1187	1186	1181	1171	1166
Construction and Mining	173	172	171	186	201	208	210	210	206	208	204	193	195
Mining	7	7	7	7	8	8	8	8	8	8	8	7	8
Construction	166	165	164	179	193	200	202	202	199	201	196	185	183
Special Trade Contractors	116	116	115	124	131	136	138	137	135	137	134	128	129
All Other Construction	50	49	49	55	62	64	64	65	63	64	62	58	59
Manufacturing	974	975	974	979	980	977	897	979	980	978	977	978	971
Durable Goods	731	732	731	736	735	730	656	732	734	732	732	732	726
Lumber and Wood Products	17	17	17	17	17	18	17	18	17	17	17	17	17
Furniture and Fixtures	40	40	40	40	40	41	40	40	40	41	41	41	40
Metals	166	166	165	166	165	163	149	166	168	168	169	169	165
Primary Metal Products	37	37	37	37	37	38	35	38	38	38	37	37	37
Fabricated Metal Products	129	128	128	129	128	125	114	128	131	131	132	132	128
Industrial Mach. & Computers	137	137	137	137	137	137	134	136	136	136	134	134	136
Elect. Eqpt. Except Computers	36	36	36	37	36	37	35	36	36	35	36	36	36
Transportation Equipment	289	291	291	292	292	287	233	289	289	288	289	289	285
Motor Vehicles & Equipment	278	280	280	281	281	276	222	278	277	277	278	277	274
Other Transportation Eqpt.	11	11	11	11	11	11	11	11	11	11	11	12	11
All Other Durable Goods	46	45	46	46	47	47	46	47	46	46	46	45	46
Nondurable Goods	243	243	242	243	245	247	241	246	247	246	245	246	245
Food and Kindred Products	40	39	39	39	41	43	45	42	42	42	40	39	41
Textiles and Apparel	20	20	21	20	20	20	19	20	21	21	21	21	20
Paper and Allied Products	20	21	21	21	21	21	21	21	20	20	20	20	21
Printing and Publishing	44	44	44	45	45	45	45	45	45	45	45	45	45
Rubber and Plastics Products	68	69	68	68	68	68	61	68	68	69	69	70	68
All Other Nondurable Goods	49	50	49	50	50	50	50	51	50	50	50	51	50
Service Producing Industries	3287	3315	3324	3344	3391	3391	3322	3325	3389	3423	3433	3442	3366
Private Sector Service Industries	2634	2640	2648	2672	2720	2738	2724	2737	2730	2746	2749	2763	2708
Transp., Commun. and Utilities	172	173	172	173	176	177	176	176	177	177	177	176	175
All Other Transportation	107	108	108	109	111	113	112	112	113	113	113	113	111
Communications	31	32	31	32	32	32	31	31	31	31	31	31	31
Electric, Gas & Sanit. Svcs.	33	33	33	33	33	33	33	33	33	33	33	33	33
Trade	1037	1032	1033	1043	1067	1071	1069	1072	1070	1079	1087	1102	1064
Wholesale Trade	228	229	229	231	234	235	234	234	234	233	232	232	232
Wholesale Durable Goods	151	152	152	153	154	155	155	154	154	153	152	152	153
Wholesale Nondurable Goods	77	77	77	78	79	79	79	80	80	80	80	80	79
Retail Trade	809	803	804	812	834	837	835	838	836	846	855	870	831
Building, Hardware & Garden	36	36	37	39	41	41	40	40	40	39	40	40	39
General Merchandise Stores	133	130	129	131	133	133	134	134	136	140	148	153	136
Food Stores	106	105	104	103	106	109	109	109	108	107	108	111	107
Auto Dealers & Gas Stations	88	89	88	89	90	91	90	89	88	89	89	89	89
Apparel and Accessory Stores	33	32	31	31	31	31	31	31	31	32	34	36	32
Home Furnishings and Eqpt.	34	34	34	34	34	34	33	34	35	36	36	38	35
Eating and Drinking Places	279	279	283	287	299	301	300	303	300	302	298	297	294
Miscellaneous Retail Trade	99	99	98	98	99	98	97	98	99	102	102	106	99
Finance, Insurance, Real Estate	206	207	208	208	209	210	211	210	207	207	207	207	208
Finance, Holding & Oth. Inv.	102	102	103	103	103	103	103	103	103	103	103	103	103
Insurance	66	67	67	67	67	67	68	67	66	66	66	66	67
Real Estate	38	38	38	39	39	40	40	40	38	38	38	38	39
Private Services	1219	1229	1235	1248	1267	1279	1268	1278	1276	1282	1278	1278	1261
Services: SIC 7000 - 7999	499	501	507	519	536	547	540	550	542	540	532	532	529
Business Services	285	287	291	294	298	302	295	306	305	308	308	309	299
Auto Repair, Svcs. & Park.	41	41	41	41	41	42	41	41	41	41	40	41	41
All Other Svcs. SIC 70 - 79	172	173	174	184	197	203	204	203	196	190	184	182	189
Services: SIC 8000 - 8999	721	727	728	729	731	732	728	728	733	743	746	746	733
Health Services	369	370	370	370	372	373	373	373	373	374	376	376	372
Educational Services	44	47	47	46	44	41	38	37	43	48	50	48	44
Social Services	93	94	94	95	95	94	94	95	96	97	97	98	95
Engrg., Acctg., Mgmt. Svcs.	116	116	116	117	118	119	119	120	119	121	121	121	119
All Other Svcs. SIC 80 - 89	100	101	101	101	102	104	103	103	101	102	103	103	102
Government	653	674	676	672	671	653	598	589	659	678	684	679	657
Federal Government	56	56	56	56	57	57	57	57	57	57	57	58	57
Post Offices	31	31	31	31	31	31	32	32	32	32	32	33	32
Federal Medical	6	6	6	5	6	6	6	6	6	6	6	6	6
All Other Federal Government	20	20	20	20	20	20	20	20	20	20	20	20	20
State Government	168	172	172	173	162	156	157	155	174	176	178	175	168
State Medical	14	14	14	14	14	15	15	15	15	14	14	14	14
State Education	93	98	97	98	86	79	78	76	96	100	102	99	92
All Other State Government	60	60	60	61	62	63	63	63	63	62	61	61	62
Local Government	429	445	448	442	453	440	384	377	428	444	449	446	432
Local Medical	13	13	13	13	13	13	13	13	13	13	13	13	13
Local Education	258	275	277	271	276	256	198	190	248	267	272	270	255
All Other Local Government	158	158	158	159	163	171	173	174	167	164	165	162	164

Source: MJC/Employment Service Agency, Labor Market Analysis Section, Detroit - (313) 876-5427
 Suppressed data in: X = Totals, A = All Other Durables, B = All Other Nondurables, C = All Other Trans., Commun. and Utilities
 D = All Other Retail, E = All Other F.I.R.E., F = All Other Svcs. SIC 70-79, G = All Other Svcs. SIC 80-89
 Note: Industry details and subtotals may not sum to totals due to rounding. Benchmarks: CPS 1997/CES 1997 - Issued 01-26-1999



SCALE
MILES

LEGEND

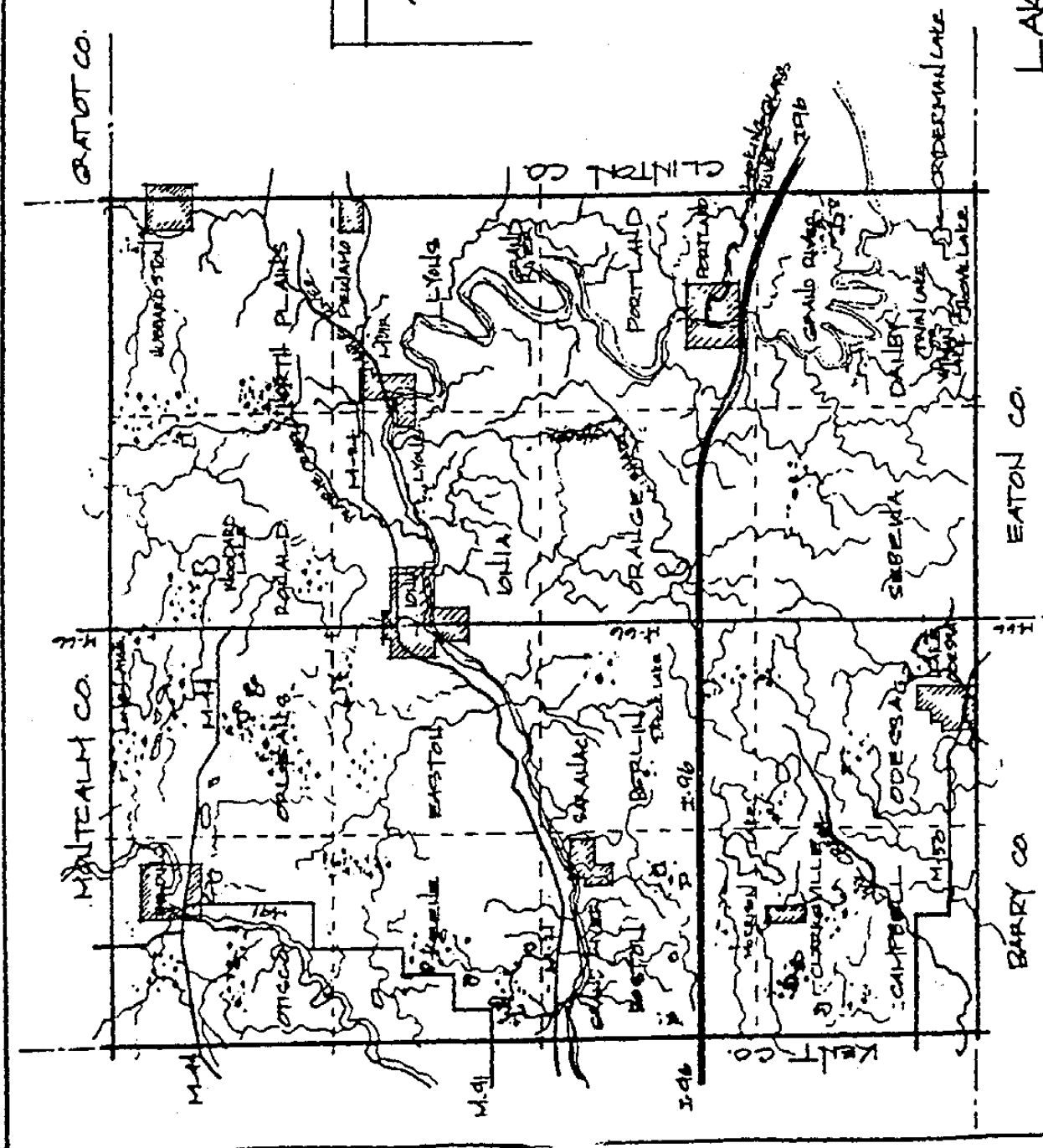
LAKES, RIVERS OR CREEKS
SWAMP AND WETLAND
AREAS

LAKES, RIVERS AND CREEKS

DELL ENGINEERING
Environmental Consultants
HOLLAND, MICHIGAN 49423

IDAHO COUNTY
SOLID WASTE PLAT

APRIL 1981
FIGURE 7



IDAHO COUNTY
TOWNSHIPS AND MAJOR ROADS

DATA BASE

LAND DEVELOPMENT

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

Land development in Ionia County is in the early stages of a transition from a primarily agricultural community to a mixed use pattern. The land use patterns of the county are beginning to shift. Located between the healthy and rapidly expanding economies of Grand Rapids and Lansing, with associated unemployment rates under 3%, the county is beginning to develop a strong relationship, especially in those counties closest to the two cities. Many people are being recruited into these areas and are choosing to live in Ionia County for a number of reasons. The rate of population growth has been over 1% a year over the last three years. These trends will be exacerbated as both commercial and, eventually, industrial development follows in their wake.

In short, Ionia County is a county that is beginning the transition from agricultural to, ultimately, suburban. This trend will continue as long as the economies of Lansing and Grand Rapids remain healthy and growing with the very low unemployment rates that require businesses to recruit new employees from outside of the region and those new employees choose to locate in Ionia County.

DATA BASE

SOLID WASTE MANAGEMENT ALTERNATIVES

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

1. **LANDFILLING** – This alternative was determined to be the most cost-effective solution for the majority of Ionia County's solid waste. It has been an established method for several years with no major problems. At the end of construction, the landfill will have 20+ years of capacity to service the County.
2. **RECYCLING** – This alternative is considered important for the reduction of solid waste disposed of but also an environmentally sound alternative. Limitations to recycling are the cost of recycling as compared to landfilling and unstable market prices. The continuation of monthly recycling drop offs, curbside recycling opportunities, and the permanent recycling containers located at the landfill and transfer station in Ionia County make this a continued and worthwhile alternative.
3. **TRANSFER STATION** – Eco Systems Transfer Station (owned and operated by Waste Management) reopened their facility in August of 1999. This transfer station makes it convenient for other hauling companies to utilize because of the central location. This also decreases the amount of solid waste disposed of at Pitsch Sanitary Landfill, as Eco Systems transfers refuse to other Waste Management owned landfills.
4. **WASTE REDUCTION** – The reduction of the generation of solid waste is considered an important aspect of an integrated solid waste management system. The Plan encourages citizens and industry to take steps to reduce the quantity of solid waste generated.
5. **RESOURCE CONSERVATION** – This alternative is considered to be another important aspect of the solid waste management. The Plan encourages citizens and industry to conserve resources.
6. **INCINERATION** – This was a non-selected alternative due to the high cost, abundant availability of landfill space, and the utilization of the transfer station.
7. **SOLID WASTE PROCESSING PLANT** – At this point, this is a non-selected alternative due to the lack of private interest, but could be considered a selected alternative because of reduction and resource conservation.
8. **VOLUME REDUCTION** – A non-selected alternative due to high cost, short hauling distances, and lack of need. The landfill currently practices volume reduction by compaction of the waste at the landfill.

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:

Landfilling of Ionia County's solid waste, both inside and outside the county, will continue to be a significant aspect of the county's management system. Numerous landfills have been identified that are capable, and willing to dispose of all or portions of Ionia County's solid waste. At the present time this will be accomplished without the use of a transfer station. The privately owned transfer station is closed, but does maintain an operating license in the event it chooses to reopen. Five privately owned waste haulers operate in the county, with four of those haulers providing recycling services at an additional cost. This potentially provides all county residents with the opportunity to recycle. The county will continue to support and encourage resource recovery options through the county's Resource Recovery Project, and through coordination with local governments and other organizations. These efforts will include recycling and composting education, recycling collection program, composting program, household hazardous waste collections, farm pesticide collection program, reward program for reporting illegal dumping, Michigan Wellhead Protection Program, and K-12 educational programs that include facility tours and curriculum development.

NOTE: THE 100,000 TONS PER YEAR CAP IS FOR THE PITSCH SANITARY LANDFILL. THIS CAP IS TO ENSURE THE COUNTY OF IONIA OF 20+ YEARS OF CAPACITY. THIS CAP IS NEGOTIATABLE WITH IONIA COUNTY AND PITSCH SANITARY LANDFILL. THIS CAP IS IN NO WAY TO LIMIT THE BUSINESS OF PITSCH SANITARY LANDFILL AND ANY REVENUE DUE TO THE LANDFILL.

IMPORT AUTHORIZATION

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

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Ionia</u>	<u>Barry</u>		<u>108</u>	<u>38,880</u>	<u>P</u>
<u>Ionia</u>	<u>Clinton</u>		<u>84</u>	<u>30,623**</u>	<u>P</u>
<u>Ionia</u>	<u>Kent</u>		<u>100</u>	<u>36,000</u>	<u>P</u>
<u>Ionia</u>	<u>Montcalm</u>		<u>50</u>	<u>18,000</u>	<u>P</u>
<u>Ionia</u>	<u>Allegan</u>		<u>267</u>		<u>*</u>
<u>Ionia</u>	<u>Eaton</u>		<u>162</u>	<u>58,947</u>	<u>*</u>

***100,000 tons per year cap.

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

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

**The current limit on waste from Clinton County, per the December 1991 Clinton-Ionia agreement is 72,000 cubic yards per year (approximately 50 tons/day).

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ TPD	AUTHORIZED QUANTITY/ TPY	AUTHORIZED CONDITIONS ²
Ionia	Berrien				*
Ionia	Branch				*
Ionia	Calhoun				*
Ionia	Cass				*
Ionia	Clare		85		*
Ionia	Ingham				*
Ionia	Isabella		110		P
Ionia	Jackson				*
Ionia	Kalamazoo				*
Ionia	Lake		40		P
Ionia	Mason		80		*
Ionia	Mecosta		65		*
Ionia	Midland				*
Ionia	Muskegon		528		*
Ionia	Newaygo		85		*
Ionia	Oceana		54		*
Ionia	Osceola		42		*
Ionia	Ottawa		532		*
Ionia	Saginaw				*
Ionia	Shiawassee				*
Ionia	St. Joseph				*
Ionia	Van Buren				*
Ionia	Wexford				*

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

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

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

Table 1-B

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

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

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

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

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

EXPORT AUTHORIZATION

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

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Ionia</u>	<u>Barry</u>	—	—	—	<u>P</u>
<u>Ionia</u>	<u>Clinton</u>	—	—	—	<u>P</u>
<u>Ionia</u>	<u>Kent</u>	—	—	—	<u>P</u>
<u>Ionia</u>	<u>Montcalm</u>	—	—	—	<u>P</u>
<u>Ionia</u>	<u>Calhoun</u>	—	—	—	<u>*</u>
<u>Ionia</u>	<u>Ottawa</u>	—	—	—	<u>*</u>
<u>Ionia</u>	<u>Shiawassee</u>	—	—	—	<u>*</u>

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

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

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

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
Ionia	Berrien				*
Ionia	Branch				*
Ionia	Cass				*
Ionia	Clare				*
Ionia	Gratiot				*
Ionia	Ingham				P
Ionia	Isabella				*
Ionia	Jackson				*
Ionia	Kalamazoo				*
Ionia	Lake				P
Ionia	Mason				*
Ionia	Mecosta				*
Ionia	Muskegon				*
Ionia	Newaygo				*
Ionia	Oceana				*
Ionia	Osceola				*
Ionia	Saginaw				*
Ionia	St. Joseph				*
Ionia	Van Buren				*
Ionia	Wexford				*

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

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

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

Table 2-B

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

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

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

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

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

SOLID WASTE DISPOSAL AREAS

The following identifies the names of existing disposal areas which will be utilized to provide the required capacity and management needs for the solid waste generated within the County for the next five years and, if possible, the next ten years. Pages II-3 to II-18 in this plan 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:

Pitsch Sanitary Landfill
Kent County Landfill
Autumn Hills
C & C Landfill
Central Sanitary Landfill
Granger Landfill (Grand River)

Granger Landfill (Woods)
Ottawa County Farms Landfill
Venice Park

Type III Landfill:

Incinerator:

Waste-to-Energy Incinerator:

Kent County Waste to Energy Facility

Type A Transfer Facility:

Greenville Transfer Station
(Waste Management operated)
Eco Systems Transfer Station
(Waste Management Owned)
North Kent Transfer Station

Type B Transfer Facility:

Processing Plant:

Venice Park

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 AttachmentsSection.

DATA BASE

FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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 MI, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: solidification/yard waste

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

Foundry sands, sludges, fly ash, etc.

Site Size:

Total area of facility property:	<u>314</u>	acres
Total area sited for use:	<u>197</u>	acres
Total area permitted:	<u>99.3</u>	acres
Operating:	<u>35.1</u>	acres
Not excavated:	<u>64.2</u>	acres
Current capacity:	<u>20.75</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>30.2</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>500.00</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: C & C Landfill

County: Calhoun Location: Town: 15 Range: 6W Section(s): 28

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

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

☒ Public ☐ Private Owner: BFI Waste Systems of North America, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Non-hazardous solid and semi-solid wastes, No hazardous or liquid wastes.

Site Size:

Total area of facility property: 224 acres
Total area sited for use: — acres
Total area permitted: 154 acres
Operating: 33 acres
Not excavated: (Not constructed) 21 acres Does not include Type III area.
Current capacity: 3,360,000 ☐ tons or ☒ yds³ Airspace remaining as of
Estimated lifetime: 7 years 11/01/97 – 7,570,000
Estimated days open per year: 286 days gate cu. yd.
Estimated yearly disposal volume: 1,100,000 ☐ tons or ☐ yds³
GATE
(if applicable)
Annual energy production:
Landfill gas recovery projects: N/A megawatts
Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II 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: ☒ Yes ☐ No

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

☒ Public ☐ Private Owner: Waste Management, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Asbestos

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

Foundry sand, fly ash, Municipal wastewater sludge, trees, and stumps.

Site Size:

Total area of facility property:	<u>330</u>	acres
Total area sited for use:	<u>330</u>	acres
Total area permitted:	<u>48</u>	acres
Operating:	<u>19.5</u>	acres
Not excavated:	<u>28.5</u>	acres
Current capacity:	<u>5,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>10+</u>	years
Estimated days open per year:	<u>308</u>	days
Estimated yearly disposal volume:	<u>175,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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 Co.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other: Type II wastes

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

All as authorized Total area of facility property includes acres of (separate) closed facility to be consistent with DEQ numbers on permits and licenses. Current capacity 7,617,000 (air yards). Estimated yearly disposal volume: 600,000 (gate yards).

Site Size:

Total area of facility property:	<u>180.9</u>	acres
Total area sited for use:	<u>120.9</u>	acres
Total area permitted:	<u>85.7</u>	acres
Operating:	<u>54.1</u>	acres
Not excavated:	<u>31.6</u>	acres

Current capacity:	<u>7,617,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>32</u>	years
Estimated days open per year:	<u>300</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>4.0</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste 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 ☐ 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)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Type II wastes

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

All as authorized. Total area of facility property includes acres of (separate) Paulson Street Facility to be consistent with DEQ numbers on permits and licenses. Also includes spoil/borrow areas to be consistent with DEQ numbers on permits and licenses. Total area sited for use (plant) 194.8 acres + 67 (Future permitting in Ingham County).

Site Size:

Total area of facility property:	<u>302.8</u>	acres
Total area sited for use:	<u>194.8</u>	acres
Total area permitted:	<u>104.3</u>	acres
Operating:	<u>49.5</u>	acres
Not excavated:	<u>54.8</u>	acres
Current capacity:	<u>10,901,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>34</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>3.2</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

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FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: South Kent County Landfill

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

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

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

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☒ other:

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

Sewage sludges.

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:

7.6 million ☒ tons or ☐ yds³

1.5 million tons - ash

Estimated lifetime:

38 years

Estimated days open per year:

310 days

Estimated yearly disposal volume:

155,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A megawatts

Waste-to-energy incinerators:

N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Ottawa County Farms Landfill

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

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

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

☐ Public ☒ Private Owner: Allied Disposal

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Site Size:

Total area of facility property: 240 acres

Total area sited for use: 240 acres

Total area permitted: 197 acres

Operating: 37 acres

Not excavated: 125 acres

Current capacity: 16,500,000 ☐ tons or ☒ yds³

Estimated lifetime: 25-30 years

Estimated days open per year: 286 days

Estimated yearly disposal volume: 500,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: 4,565 megawatts – 3,500 volts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Pitsch Sanitary Landfill

County: Ionia Location: Town: Range: Section(s): **See Attached

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

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

☐ Public ☒ Private Owner: Pitsch Companies

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Street sweepings, asbestos.

Site Size:

Expansion

Total area of facility property:	<u>148.44</u>	acres	After <u>Proposed</u>
Total area sited for use:	<u>78.44</u>	acres	300 acres
Total area permitted:	<u>28.36</u>	acres	140 acres
Operating:	<u>9.87</u>	acres	140 acres
Not excavated:	<u>70</u>	acres	10 acres
Current capacity:	<u>415,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³	40 acres
Estimated lifetime:	<u>5</u>	years	2,308,225 tons
Estimated days open per year:	<u>307</u>	days	21 years
Estimated yearly disposal volume:	<u>83,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> yds ³	

**Have a pending construction permit that will extend landfill life another 30 years.

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

To: Don Lehman

From:

Proposal for Type II Landfill Expansion
in Ionia County

Rec'd from
Leo 1/6/20/97

I. Introduction

Pitsch Companies has operated a Sanitary Landfill in Orleans Township since February of 1973. Landfill operations were originally conducted in landfill cells identified as Act 87 Type II and Act 87 Type III. Final closure of those two cells was certified on January 25, 1988 and April 20, 1995 respectively. Landfill operations were continued in new landfill cells constructed under Act 641 rules. These cells are identified as Phase I, Phase II, Phase III, and Phase IV. The Phase I cell has been brought up to finish grade and receives no additional waste. It was certified partially closed on July 14, 1995 and final closure was certified June 27, 1997. The Phase II cell has been brought up to final grades and receives no additional waste. It was certified as partially closed on June 27, 1997.

The Phase III cell, totaling 6.12 acres is currently authorized to receive waste. Phase III however, is rapidly reaching final elevations.

The Phase IV cell, totaling 3.75 acres is currently receiving waste. This cell is the last cell constructed on the site and is estimated to meet waste disposal needs for approximately 3 years.

Pitsch companies wish to expand their solid waste landfill capacity by expanding the landfill on the adjoining property west of the existing site. The proposed landfill expansion is under design to conform to Part 115 of P.A. 451 as amended (NREPA).

The environmental assessment, which is required by the Act 451 rules, must document consistency with the Ionia County Solid Waste Management Plan. The Ionia County Solid Waste Management Plan was developed in September 1989 and amended in October 1992. According to the Plan, the county must identify 20 years of solid waste disposal capacity at specific sites or provide a mechanism which guarantees that new solid waste disposal facilities can be sited. Section I of the amendment details this mechanism. The County Plan states that "Any proposed disposal facility which offers disposal capacity needed during the 20-year planning period and which meets the criteria set forth in this amendment is consistent with this Plan." Since Ionia County

does not have 20 years of documented disposal capacity, the consistency determination is based solely on meeting the siting criteria.

II. General Information

Part A of Section I requires the following information be provided with the proposal

a.) SITE PLAN

Site plans have been included that show the locations and dimensions of perimeter fences and berms, a landscaping plan, separation distances, ingress and egress points and public thoroughfares providing access

b.) OPERATIONS PLAN

The landfill hours of operation will be from 7 a.m. to 5 p.m. on Monday through Friday and from 7 a.m. to 12 p.m. on Saturdays.

Dumping will occur on essentially level areas of the open face with waste materials moved by dozer to the location being compacted. Prompt compaction will reduce the nuisance of windblown debris. High fencing downwind of the open face catch windblown debris which is picked up manually as required. After heavy winds and wind direction reversals, windblown debris will be picked up manually.

In order to control dust, equipment will be provided to spray water on the access roads.

After final closure of a cell is completed, effective vegetative cover will be established by using the proper methods for site preparation, material selection, planting techniques, and maintenance. A high quality growing medium with an adequate supply of nutrients and good water holding capacity will be applied to the surface. The appropriate seeds will be selected for the specific site. Seedlings will be applied at a large enough application rate so they can become adequately established. Mulch will be applied at a high enough rate to protect the soil surface from rain splash and will be anchored in place with crimping, mulch tackifiers, or erosion control netting. Actual coverage will be measured on the final cover to ensure that the design assumptions are met. If the level of coverage is not being achieved, additional seeding will be provided.

c.) ROAD IMPROVEMENTS AND/OR MAINTENANCE

The County Plan requires the developer to make a commitment to upgrade the access roads needed to reach the landfill so that such access roads conform to Design Guidelines Adapted for All-Season County Roads, (revised January 1989) and incorporating standards of the AASHTO. Such upgrading is to be carried out before any waste is received for disposal.

The county currently imposes a surcharge of 4% on the tipping fee charged by the landfill for disposal of waste. 35% of the tipping fee is remitted to the township and such funds may be used for any purpose. However, these funds were intended to be used for expenses arising from the landfill presence in the community, such as road maintenance, periodic reviews, handling complaints, etc. An additional 15% is remitted to the township to establish and promote resource recovery projects such as recycling and composting. The remaining 50% is placed in a special county fund which is intended to promote resource recovery projects throughout the county.

As part of the process of updating the Ionia County Solid Waste Plan, the language dealing with the Access Road Upgrading and the uses of the surcharge funds is under active consideration by the Ionia County Board of Commissioners. Revisions to the Plan incorporating the conclusion of these current deliberations are anticipated. Pitsch Companies are committed to conform to the Ionia County Solid Waste Plan as updated by the foregoing deliberations.

d) Information Indicating Waste Volumes and Sources

The current Pitsch Sanitary Landfill receives approximately 100,000 tons of waste per year (note: approximately 33% is from Ionia County). This volume is expected to increase as the population increases. Census data for Ionia County shows an increase of 10% from 1980 to 1990, and a projected increase of 7.5% from 1990 to 2000. The counties to be served and maximum quantities accepted will be in conformance with the County Plan.

e) Agreement to report required data

As an operational requirement of the County Plan, the facility developer must provide the following data to the County Solid Waste Planning Agency:

1. The area and volume the proposed landfill expansion is expected to provide at capacity is as follows:

Phase	Acres	Cubic Yards
5	10.75	785,510
6	11.60	1,634,300
7	8.59	1,111,440
8	10.34	1,085,200
Total:	41.28	4,616,450

2. The estimated time expected to reach capacity is calculated based on a current annual intake of 100,000 tons per year with a uniform increase of 0.75% per year (in concurrence with the estimated population increase), and by using the assumption in the County Plan that one ton of waste occupies two cubic yards when compacted.

Phase	Average Yearly Generation (cu yds)	Estimated Life (years)
5	206,000	3.81
6	218,360	7.48
7	226,549	4.91
8	235,044	4.62
Total:	885,953	20.82

3. Reporting information will be as requested by the County Plan

III. Siting Criteria

Part D of Section I, entitled "Disposal Area Siting Criteria" details the specific siting requirements of the County Plan. The following narrative provides the necessary information to prove consistency with the County Plan.

The proposed expansion is located on a 70 acre parcel of unzoned land which meets the requirements set forth in the County Plan. The land is not State or Federally owned and is not registered under the Farmland and Open Space Preservation Act, 1974 PA 116.

There are not more than 25 dwelling units within a 1,500 foot radius drawn from any point on the perimeter of the active waste management area of the proposed landfill expansion.

The proposed facility's site provides direct access to all-season roads, including traffic to off-site sources of cover material. The language in regards to upgrading the access roads to AASHTO specifications is currently being updated. As stated above, Pitsch Companies are committed to conform to the Ionia County Solid Waste Management Plan.

The active filling or working area of the proposed disposal facility is isolated from other land uses or property lines as follows (as seen on Figure):

<u>Land Use</u>	<u>Minimum Separation Distance</u>
Existing domiciles	300' from property line
Public water supply wells (serve more than a single family residence).....	2,000'
Churches, schools, municipal parks, campgrounds.....	800'
Other developed land uses, including road ROW, commercial bldgs., industrial land use, agricultural structures, permanent lakes/streams, vacant platted land.....	100' from property line

The proposed facility is not located within 10,000 feet of a runway of a licensed public use airport as licensed by the Michigan Aeronautics Commission. The proposed facility is not located within a 100 year floodplain as defined by 929 PA 245 as amended, the Water Resources Commission Act.

IV. Summary

In addition to the items discussed above, the plan requires an annual reporting system between the landfill operator and the Ionia County Planning Commission consisting of:

1. Fluctuations in volumes received
2. space remaining in present cell
3. Expected closure date
4. Other information that might affect capacity
5. Report by Ionia County Health Department

The reporting system will be in the form and time developed by the Planning Commission.

Pitsch Companies is dedicated to providing a safe and economical means of disposing solid waste for Ionia County, and to conforming to the Ionia County Solid Waste Management Plan in addition to the Act 451 rules. As the disposal capacity is needed and the siting criteria met, we request that this proposal be found consistent with the Ionia County Solid Waste Management Plan

FACILITY DESCRIPTIONS

Facility Type: Waste to Energy

Facility Name: Kent County Waste to Energy Facility

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

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: South Kent Landfill

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

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

Site Size:

Total area of facility property:

 acres

Total area sited for use:

 acres

Total area permitted:

 acres

Operating:

 acres

Not excavated:

 acres

Current capacity:

625/day ☒ tons or ☐ yds³

Estimated lifetime:

 years

Estimated days open per year:

310 days

Estimated yearly disposal volume:

194,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A megawatts

Waste-to-energy incinerators:

72/day megawatts 116,000 lbs. Of steam/hr

FACILITY DESCRIPTIONS

Facility Type: Recycle & Disposal Facility – Non-Hazardous

Facility Name: Venice Park Recycling & Disposal Facility

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

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

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

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

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Non-hazardous liquids for solidification

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

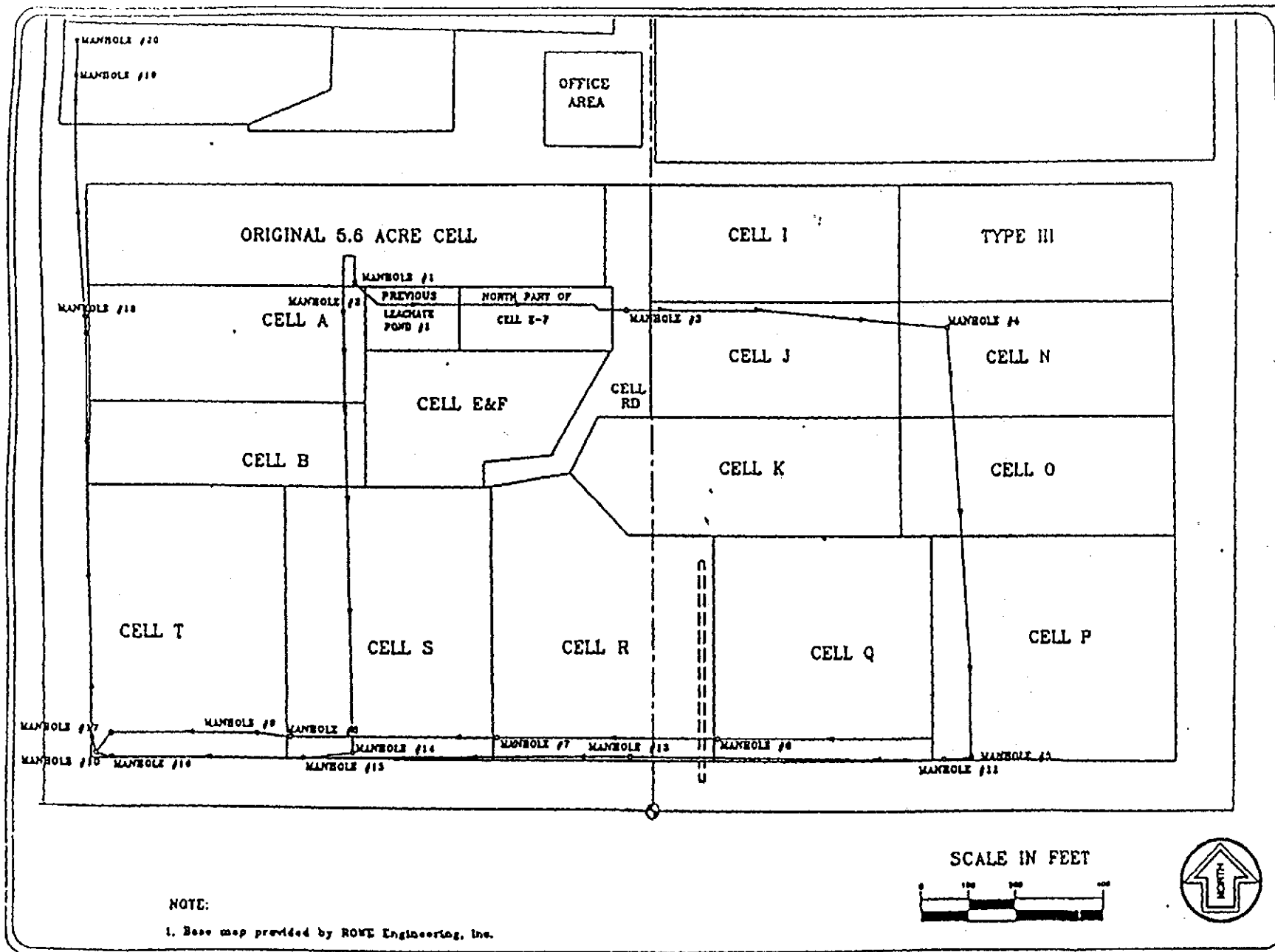
Contaminated soils, sludges, filter cake, process wastes, coal ash, foundry sand, chemical containing equipment, used containers, treated medical waste, contaminated demolition debris, street sweeping, sediment trap materials, asbestos.

Site Size:

Total area of facility property:	<u>331</u>	acres
Total area sited for use:	<u>80</u>	acres
Total area permitted:	<u>69</u>	acres
Operating:	<u>41</u>	acres
Not excavated:	<u>2.5</u>	acres
Current capacity:	<u>1,300,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³ Bank remaining.
Estimated lifetime:	<u>2.5</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>526,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

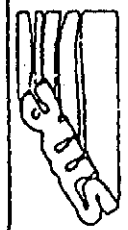
(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>12,500</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts



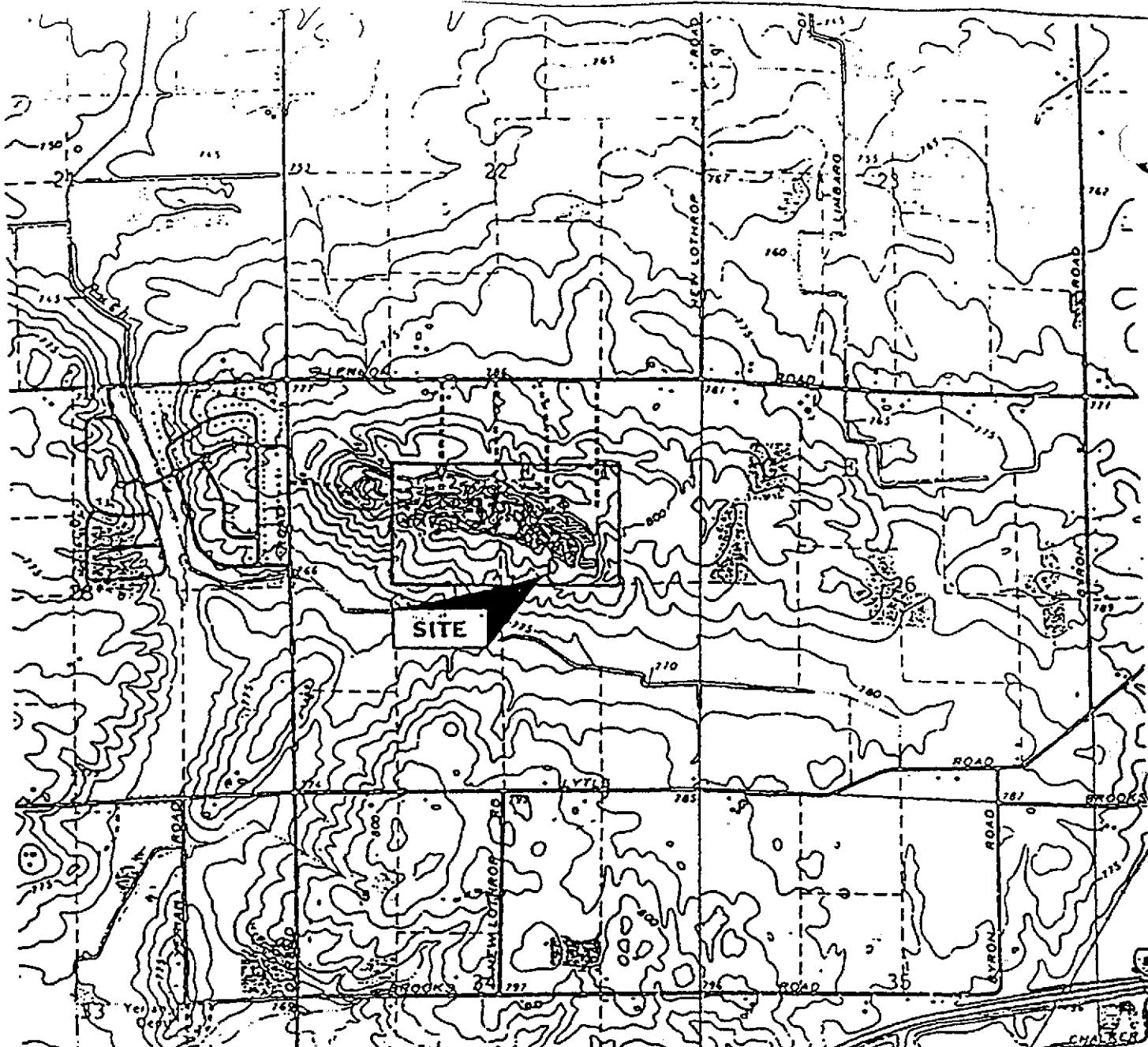
SITE PLAN
VENICE PARK RECYCLING AND DISPOSAL FACILITY
9536 LENNON ROAD
LENNON, MICHIGAN

DATE: 4-18-97
SCALE: 1" = 200'
DRAFTER: ARB/AM
JOB: PE 27575

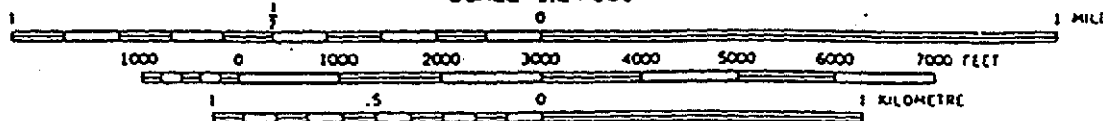


PLC MADE IN VENICE 27575-02

Figure No. 2



SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

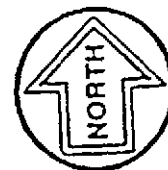
DURAND QUADRANGLE
MICHIGAN

7.5 MINUTE SERIES (TOPOGRAPHIC)

1969
PHOTOREVISED 1975
AMS 4289 IV NW-SERIES Y862



QUADRANGLE LOCATION



Date
4-17-97
Drawn By
ARR
Scale
AS SHOWN
Job
PE 27575

BAY CITY
KALAMAZOO
LANSING
PLYMOUTH
TOLEDO

sme
soil and materials
engineers, inc

SITE LOCATION MAP
VENICE PARK RECYCLING & DISPOSAL FACILITY
9536 LENNON ROAD
LENNON, MICHIGAN

DWG NO. 27575-01

Figure No. 1

FACILITY DESCRIPTIONS

Facility Type: Recycling

Facility Name: Central Sanitary Landfill

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

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

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

☐ Public ☒ Private Owner: Allied Waste

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Recyclables

* 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:	—	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	—	years
Estimated days open per year:	—	days
Estimated yearly disposal volume:	—	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:	—	
Landfill gas recovery projects:	—	megawatts
Waste-to-energy incinerators:	—	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: ☒ Yes ☐ No

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

☐ Public ☒ Private Owner: Allied Waste

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Yard waste

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

Site Size:

Total area of facility property:	<u>315</u>	acres
Total area sited for use:	<u>—</u>	acres
Total area permitted:	<u>N/A</u>	acres
Operating:	<u>10</u>	acres
Not excavated:	<u>N/A</u>	acres
Current capacity:	<u>N/A</u>	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>N/A</u>	years
Estimated days open per year:	<u>306</u>	days
Estimated yearly disposal volume:	<u>780</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

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

FACILITY DESCRIPTIONS

Facility Type: Transfer Station

Facility Name: Waste Management

County: Montcalm Location: Town: Greenville Range: Section(s):

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 : Pierson Landfill & Pitsch Sanitary Landfill

☒ Public ☐ Private Owner: City of Greenville

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☐ other:

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

Grinding swarf, graphite powders.

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 ☐ yds³

Estimated lifetime: years

Estimated days open per year: days

Estimated yearly disposal volume: ☐ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: megawatts

Waste-to-energy incinerators: megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: North Kent Transfer Station

County: Kent Location: Town: TRN Range: R11W Section(s): 2 & 3

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 : South Kent Landfill

☒ Public ☐ Private Owner: Kent County

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other: _

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

Site Size:

Total area of facility property: _____ acres

Total area sited for use _____ acres

Total area permitted: _____ acres

Operating: _____ acres

Not excavated: _____ acres

Current capacity: _____ ☐ tons or ☐ yds³

Estimated lifetime: _____ years

Estimated days open per year: 310 days

Estimated yearly disposal volume: 22,000 ☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: _____ megawatts

Waste-to-energy incinerators: _____ 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.

Five hauling companies operate in the county. Two of the companies, Waste Management and Allied Disposal (previously known as Denny's Disposal) operate throughout the county, while Pitsch Sanitary, Les' Sanitary, and Pick-A-Dilley Disposal operate in regions of the county. All haulers, using conventional packer trucks, make direct hauls to area landfills, the one exception to this is Waste Management, who may use its own transfer station that is located in Greenville in Montcalm County. A map of the transportation infrastructure is included in the appendix.

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.

Pitsch Sanitary Landfill uses a combination of separating recyclables out of the waste stream prior to disposal and physical compaction to reduce volume. The calculated volumes for future capacity are based upon the use of compaction.

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.

Curbside recycling is provided by four haulers in the county for a fee. Three free drop-off opportunities also exist for county residents. Pitsch Landfill has drop-off facilities available six days a week, and Ionia County provides a once a month collection day at the fairgrounds in the City of Ionia. The City of Ionia also offers weekly curbside recycling by a private hauler for a quarterly fee. Fifty to sixty percent of Ionia County's waste has the potential to be recycled in some one way. However, the infrastructure markets, and the availability of large amounts of inexpensive landfill space limits the actual recycling amount to 10-15%. The local waste stream consists of approximately 40% paper products, 7% food, 15% yard trimmings, 6% glass, 8% metals, 7% wood, 9% plastic, and 9% miscellaneous materials including hazardous waste.

- ☒ Recycling programs within the County are feasible. Details of existing and planned programs are included on the following pages
- ☐ Recycling programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:
- ☒ Composting programs within the County are feasible. Details of existing and planned programs are included on the following pages
- ☐ Composting programs for the County have been evaluated and it has been determined that it is not feasible to conduct any programs because of the following:
- ☒ Programs for source separation of potentially hazardous materials are feasible and details are included on the following pages.
- ☐ Separation of potentially hazardous materials from the County's waste stream has been evaluated and it has been determined that it is not feasible to conduct any separation programs because of the following:

Pitsch Sanitary Landfill also offers recycling for residential and commercial customers. They also provide a recycling container free of charge to the public for recycling drop off. Pitsch Sanitary Landfill uses a combination of separating recyclables out of the waste stream prior to disposal and physical compaction to reduce volume and add air space. The calculated volumes for future capacity are based upon the use of compaction. Eco Systems Transfer Station (owned by Waste Management) also offers a free drop off container to the public at the facility and practices a combination of separating recyclables out of the waste stream before transferring waste to the end disposal site.

RECYCLING AND COMPOSTING



The following is a brief analysis of the recycling and composting programs selected for the County in this Plan. Additional information on operation of recycling and composting programs is included in Appendix A. The analysis covers various factors within the County and the impacts of these factors on recycling and composting. Following the written analysis the tables on pages III-18, 19, & 20 list the existing recycling, composting, and source separation of hazardous materials programs that are currently active in the County and which will be continued as part of this Plan. The second group of three tables on pages III-21, 22, & 23 list the recycling, composting, and source separation of hazardous materials programs that are proposed in the future for the County. It is not this Plan update's intent to prohibit additional programs or expansions of current programs to be implemented beyond those listed.

Recycling services are provided primarily by the private sector in Ionia County. Haulers provide curbside collection for almost 100% of county residents for a fee. This system provides good service and is practical to the more rural areas of the county. Curbside service to the more rural areas of the county is less efficient due to the large distances between pickups. Residents do use these services because of convenience, but two free drop-offs are available for residents who would prefer not to pay or have curbside pickup. Pitsch Landfill provides the convenience of a daily opportunity for recycling, and Ionia County provides a centrally located drop-off that is open only one day a month.

Composting is also provided curbside by private haulers, but also by local municipalities who provide spring and fall pick-up of leaves and grass. The collected materials are composted at municipal facilities or land applied in agricultural areas.

Household hazardous waste collection and agricultural pesticide collection is also provided through the Ionia County Resource Recovery Project. This collection is provided through a permanent collection facility and three satellite collection sites.

SELECTED SYSTEM

TABLE III-1

RECYCLING:

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or Private</u>	<u>Collection Point³</u>	<u>Collection Frequency⁴</u>	<u>Materials Collected⁵</u>	<u>Program Management Responsibilities²</u>		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
<u>Allied Disposal (Denny's)</u>	<u>County</u>	<u>Private</u>	<u>C</u>	<u>—</u>	<u>ABDEF</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Les' Sanitary</u>	<u>S.W. County</u>	<u>Private</u>	<u>C</u>	<u>—</u>	<u>ABEF</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Pitsch Sanitary</u>	<u>N. County</u>	<u>Private</u>	<u>C</u>	<u>—</u>	<u>ABEF</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Waste Management</u>	<u>County</u>	<u>Private</u>	<u>C</u>	<u>—</u>	<u>ABDEF</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Pitsch Landfill</u>	<u>County</u>	<u>Private</u>	<u>D</u>	<u>Daily</u>	<u>ABEFPJ</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Ionia County</u>	<u>County</u>	<u>Public</u>	<u>D</u>	<u>1DAYM</u>	<u>ABCDEF</u>	<u>1</u>	<u>1</u>	<u>1</u>
		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

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

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

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 36); 5 = Private Owner/Operator; 6 = Other (Identified on page 36).

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

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

⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page 37.

SELECTED SYSTEM

TABLE III-2

COMPOSTING:

<u>Program Name</u>	<u>Service Area¹</u>	<u>Public or Private</u>	<u>Collection Point³</u>	<u>Collection Frequency⁴</u>	<u>Materials Collected⁵</u>	<u>Program Management Responsibilities²</u>		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
<u>City of Ionia</u>	<u>City</u>	<u>Public</u>	<u>CD</u>	<u>SP/FA</u>	<u>GLB</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>City of Portland</u>	<u>City</u>	<u>Public</u>	<u>CD</u>	<u>W/D</u>	<u>GLB</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>City of Belding</u>	<u>City (Apr-Oct)</u>	<u>Public</u>	<u>C</u>	<u>M</u>	<u>GLB</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>Village of Muir</u>	<u>Village</u>	<u>Public</u>	<u>C</u>	<u>SP/SU/FA</u>	<u>GLB</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>Village of Lake Odessa</u>	<u>Village</u>	<u>Public</u>	<u>C</u>	<u>M/W</u>	<u>GLB</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>Waste Management</u>	<u>County (Apr-Oct)</u>	<u>Private</u>	<u>C</u>	<u>W</u>	<u>GLB</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Pitsch Sanitary</u>	<u>County</u>	<u>Private</u>	<u>C/D</u>	<u>B/D</u>	<u>GLB</u>	<u>5</u>	<u>5</u>	<u>5</u>
<u>Village of Saranac</u>	<u>Village</u>	<u>Public</u>	<u>C</u>	<u>D/W</u>	<u>GLB</u>	<u>5</u>	<u>5</u>	<u>5</u>

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

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

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 36); 5 = Private Owner/Operator; 6 = Other (Identified on page 36).

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

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

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page 37. (B = Brush)

TABLE III-3

SOURCE SEPARATION OF POTENTIALLY HAZARDOUS MATERIALS:

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

<u>Program Name</u>	<u>Service Area</u> ¹	<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Program Management Responsibilities</u> ²		
						<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
<u>Ionia County HHW</u>	<u>County</u>	<u>Public</u>	<u>D</u>	<u>M</u>	<u>ARA</u>	<u>1</u>	<u>1</u>	<u>1</u>
		---	---	---	<u>AN.BZ</u>	---	---	---
		---	---	---	<u>C.H.P</u>	---	---	---
		---	---	---	<u>PS.PH</u>	---	---	---
<u>Clean Sweep Program</u>	<u>Regional</u>	<u>Public</u>	<u>D</u>	<u>SP.SU</u>	<u>PS</u>	<u>1 & 6</u>	<u>1</u>	<u>1 & 6</u>
		---	---	<u>FA</u>	---	---	---	---
		---	---	---	---	---	---	---
		---	---	---	---	---	---	---

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

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

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 35); 5 = Private Owner/Operator; 6 = Other (Identified on page 35).

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

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

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

TABLE III-4

PROPOSED RECYCLING:

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

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

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

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 35); 5 = Private Owner/Operator; 6 = Other (Identified on page 35).

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

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

⁵ Identified by the materials collected by listing of the letter located by that material type. A = Plastics; B = Newspaper; C = Corrugated Containers; D = Other Paper; E = Glass; F = Metals; P = Pallets; J = Construction/Demolition; K = Tires; L1, L2 etc. = as identified on page 36.

TABLE III-5

PROPOSED COMPOSTING:

<u>Program Name,</u> (if known)	<u>Service Area</u> ¹	<u>Program Management Responsibilities</u> ²						
		<u>Public or Private</u>	<u>Collection Point</u> ³	<u>Collection Frequency</u> ⁴	<u>Materials Collected</u> ⁵	<u>Development</u>	<u>Operation</u>	<u>Evaluation</u>
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—

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

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

² Identified by 1 = Designated Planning Agency; 2 = County Board of Commissioners; 3 = Department of Public Works; 4 = Environmental Group (Identified on page 35); 5 = Private Owner/Operator; 6 = Other (Identified on page 35).

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

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

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page 36.

SELECTED SYSTEM

TABLE III-5

PROPOSED COMPOSTING:

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

☐ 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 35); 5 = Private Owner/Operator; 6 = Other (Identified on page 35).

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

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

⁵ Identified by the materials collected by listing of the letter located by that material type. G = Grass Clippings; L = Leaves; F = Food; W = Wood; P = Paper; S = Municipal Sewage Sludge; A = Animal Waste/Bedding; M = Municipal Solid Waste; L1, L2 etc. = as identified on page 36.

SELECTED SYSTEM

IDENTIFICATION OF RESOURCE RECOVERY MANAGEMENT ENTITIES:

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

Environmental Groups:

Ionia County Resource Recovery Project manages monthly household hazardous waste and Clean Sweep drop offs from April through November. Three out of the eight scheduled drop offs per year are at satellite sites. The remaining are performed at the permanent site located in the city of Ionia.

Ionia County Resource Recovery Project also manages a monthly recycling drop off at the Ionia Fairgrounds from April through November.

Other:

The City of Ionia offers a city wide curbside recycling program for a small quarterly amount. This service is provided through a private hauler.

The Michigan Groundwater Stewardship Program has development and evaluation responsibilities with the Clean Sweep Program.

SELECTED SYSTEM

PROJECTED DIVERSION RATES:

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

<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>			<u>Collected Material:</u>	<u>Projected Annual Tons Diverted:</u>		
	Current	5th Yr	10th Yr		Current	5th Yr	10th Yr
A. TOTAL PLASTICS:	<u>1260</u>	<u>1350</u>	<u>1450</u>	G. GRASS AND LEAVES:	<u>2100</u>	<u>2240</u>	<u>2400</u>
B. NEWSPAPER:	<u>2860</u>	<u>3050</u>	<u>3250</u>	H. TOTAL WOOD WASTE:	<u>980</u>	<u>1050</u>	<u>1120</u>
C. CORRUGATED CONTAINERS:	<u>800</u>	<u>850</u>	<u>900</u>	I. CONSTRUCTION AND DEMOLITION:	<u>2050</u>	<u>2240</u>	<u>2400</u>
D. TOTAL OTHER PAPER:	<u>800</u>	<u>850</u>	<u>900</u>	J. FOOD AND FOOD PROCESSING:	<u>9880</u>	<u>1050</u>	<u>1120</u>
E. TOTAL GLASS:	<u>840</u>	<u>900</u>	<u>950</u>	K. TIRES:	<u>140</u>	<u>150</u>	<u>160</u>
F. OTHER MATERIALS:				L. TOTAL METALS:	<u>1120</u>	<u>1200</u>	<u>1280</u>
F1. HHW	<u>70</u>	<u>75</u>	<u>80</u>	F3. _____	—	—	—
F2. _____	—	—	—	F4. _____	—	—	—

MARKET AVAILABILITY FOR COLLECTED MATERIALS:

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

<u>Collected Material:</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>	<u>Collected Material</u>	<u>In-State Markets</u>	<u>Out-of-State Markets</u>
A. TOTAL PLASTICS:	<u>800</u>	<u>460</u>	G. GRASS AND LEAVES:	<u>2100</u>	<u>0</u>
B. NEWSPAPER:	<u>1600</u>	<u>1260</u>	H. TOTAL WOOD WASTE:	<u>900</u>	<u>80</u>
C. CORRUGATED CONTAINERS:	<u>600</u>	<u>200</u>	I. CONSTRUCTION AND DEMOLITION:	<u>1800</u>	<u>250</u>
D. TOTAL OTHER PAPER:	<u>400</u>	<u>400</u>	J. FOOD AND FOOD PROCESSING:	<u>900</u>	<u>80</u>
E. TOTAL GLASS:	<u>440</u>	<u>400</u>	K. TIRES:	<u>40</u>	<u>100</u>
F. OTHER MATERIALS:			L. TOTAL METALS:		
F1. HHW	<u>50</u>	<u>25</u>	F3. _____	—	—
F2. _____	—	—	F4. _____	—	—

SELECTED SYSTEM

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

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

<u>Program Topic</u> ¹	<u>Delivery Medium</u> ²	<u>Targeted Audience</u> ³	<u>Program Provider</u> ⁴
<u>1</u>	<u>n.f</u>	<u>p</u>	<u>DPA</u>
<u>2</u>	<u>n</u>	<u>p</u>	<u>DPA,EX</u>
<u>3</u>	<u>n,o,f</u>	<u>p,i</u>	<u>EX,HD,DPA</u>
<u>—</u>	<u>—</u>	<u>—</u>	
<u>—</u>	<u>—</u>	<u>—</u>	
<u>—</u>	<u>—</u>	<u>—</u>	
<u>—</u>	<u>—</u>	<u>—</u>	

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.

SELECTED SYSTEM

TIMETABLE FOR SELECTED SYSTEM IMPLEMENTATION

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

TABLE III-7

Management Components	Timeline
Landfilling of Solid Waste	On-going
Curbside Recycling	On-going
Recycling Drop-offs	On-going
Municipality Composting	On-going
Backyard Composting	On-going
HHW Collection	On-going
Clean Sweep Program	On-going
Reward Program for Reporting Illegal Dumping	1999-2000
Resource Recovery Education	On-going

SELECTED SYSTEM

SITING REVIEW PROCEDURES

SITING CRITERIA AND PROCESS

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

I. MECHANISM FOR SITING NEEDED DISPOSAL CAPACITY

A. New Disposal Area Selection Process

PA 451, Part 115 requires each solid waste management plan to identify 10 years of solid waste disposal capacity at specific sites or to provide a mechanism which guarantees that new solid waste disposal facilities can be sited. Required either to identify 10 year's capacity or to provide a mechanism to guarantee that a landfill can be sited, a county's plan may also provide for siting transfer stations, solid waste processing plants and incinerators. The following mechanism, applying to all these types of facilities, combines elements developed by Ionia County with modification made by the State of Michigan to enable the Plan to guarantee 10 year's capacity. Proposals for new facilities will be evaluated for consistency with this Plan prior to DEQ's review of a PA451, Part 115 construction permit application.

1. Review Process

A developer's proposal for a new disposal area shall be submitted to the Ionia County Clerk for transmitting to the Ionia County Planning Commission. The proposal submitted for review by the Planning Commission shall be accompanied by the following information:

a. A site plan of readable scale indicating:

- i) The location and dimensions of perimeter fences and berms, as well as the plan for site landscaping and any other information relating the proposed physical layout to the physical features indicated as location standards in the siting criteria.**
- ii) A detailed plan for the number and design for ingress and egress points for all phases of landfill development, and identification of all public thoroughfares providing access and internal circulation routes.**

ELECTED SYSTEM

RETURN TO
APPROVAL
LETTER

- b. A narrative operations plan indicating the following:
 - i) Hours of operation
 - ii) Proposed mechanism(s) for litter control
 - iii) Proposed method for dust and mud control
 - iv) A plan for grading, mulching, and seeding of the site (cells) upon completion of useful life.
- c. A signed statement indicating the proposer's willingness to provide for road improvements and/or maintenance, and to consult with the Ionia County Road Commission throughout the development and operation of the facility. If the entrance to the proposed project is not located on an existing all season road as identified in section I-D-3 or by the Ionia County Road Commission, this document will state the proposer's commitment, as part of the initial construction and before any waste is received for disposal, to upgrade access roads so that all roads needed to reach the facility will conform to the Design Guidelines... Adopted for All Season County Roads (revised January 1989), incorporating standards of the American Association of State Highway and Transportation Officials (AASHTO).
- d. Information indicating the waste volumes and sources, consistent with this Plan, intended to be served by this proposal.
- e. If a transfer station, processing plant, or incineration facility, a description of the ultimate disposal facility to be used for solid waste or ash disposal.
- f. A signed statement indicating the proposer's agreement to report the data described in item I-D-7 below.

Proposals are to be submitted to the Ionia County Clerk's office for transmitting to the Chairperson of the Ionia County Planning Commission. Within 21 days after a proposal has been delivered to the County Clerk's office, the Chairperson or designee of the Ionia County Planning Commission will determine whether the proposal contains the required items listed above and will inform the developer by letter that the proposal has been found complete or incomplete. If the proposal is found incomplete, the developer may resubmit the proposal with the needed additional information. If no determination has been made at the end of the 21-day period after submittal or resubmittal of the proposal, the proposal will be considered administratively complete and will proceed to the next stage of the consistency determination process.

Upon receipt of a proposal by the County Clerk, the Ionia County Planning Commission or its designee will promptly to take all proper actions to establish a Site Review Board (SRB), appointing a citizen member and notifying other entities responsible for appointing members according to section I-A-2 below, so that the SRB is ready to review the proposal when it is found to be administratively complete.

SELECTED SYSTEM

If the SRB is not in place within 30 days of the submittal of a complete application to Ionia County, the County, by agreement with the developer, may continue assembling the SRB for an agreed-upon extension period. If the SRB is not in place following the 30-day period after submittal of a complete application and no agreement between the county and the applicant to extend this period is in place, the Ionia County Planning Commission shall act upon the proposal without SRB review.

If appointed in time, the SRB will have 30 days to review the proposal to determine if it is consistent with the Plan, based solely on the Plan's siting criteria. If the SRB does not complete its review within this 30-day period, the application will be reviewed by the Ionia County Planning Commission for consistency with the Plan without SRB review. If the SRB completes its review within the 30-day time frame, the proposal with the SRB's determination will be reviewed by the Ionia County Planning Commission. The Planning Commission will review the recommendation of the SRB to determine if the SRB has properly applied the Plan's siting criteria. The Planning Commission will have 45 days from the end of the previous step in this process to determine if the SRB's conclusion is correct and to submit its finding of consistency or inconsistency to the County Board of Commissioners. The Board of Commissioners will then have 45 days in which to review the Planning Commission's determination, stating in writing the Board's concurrence or nonconcurrence that the criteria of the Plan have been properly applied to the proposal and that the site is either consistent or not consistent with the Plan. Throughout the review process, the siting criteria in this Plan will be the sole basis for the conclusions reached.

If the Planning Commission does not complete its review within its 45-day time frame, the proposal will be considered consistent with the Plan and move on to the County Board of Commissioners without the Planning Commission review. Within 45 days after the end of the Planning Commission's allotted 45-day period, the County Board will render a written determination of consistency or inconsistency, based solely on the siting criteria in this Plan.

If the Board of Commissioners receives the Planning Commission's determination but does not render its own written conclusions within its 45-day review period, the decision reached by the Planning Commission becomes the County's final determination of consistency or inconsistency with the Plan.

All determinations of consistency/inconsistency will be provided in writing to the person, firm, or agency proposing the project. All determinations shall be based solely on the siting criteria in this Plan. If no county-level determination is rendered before the allotted time expires, the proposal shall be considered consistent with the Plan, subject to final review by the Michigan Department of Environmental Quality.

Consistency with Ionia County's Solid Waste Management Plan is required before a PA451, Part 115 construction permit can be issued by the Department of Environmental Quality. In evaluating a construction permit application, the DEQ will determine consistency of the proposal with the Plan as required by Part 115.

ELECTED SYSTEM

2. Site Review Board

When a developer's proposal for a new disposal area is submitted to the Ionia County Planning Commission, a Site Review Board will be appointed. The SRB will be a committee of six members who will review the developer's proposal based on Ionia County's Siting Criteria. The six-member committee will consist of:

- a. One citizen living near the site, preferably within a one-mile radius, appointed by the Planning Commission or its designated agency;
- b. One representative from the municipal government where the proposed disposal site will be located, appointed by the municipal governing body or its designated agent;
- c. The County Commissioner from the district where the proposed disposal area will be located, or his/her designated agent;
- d. One representative from the Solid Waste Planning Committee appointed by vote of the Solid Waste Planning Committee;
- e. One representative of the disposal site developer, selected by the developer; and
- f. One representative from an unaffected township government living at least five miles away from the proposed site, appointed by the County Board of Commissioners or its designated agent. This member shall be the non-voting chairperson of the SRB.

3. Review Responsibilities

In reviewing proposals for solid waste disposal facilities, the Planning Commission and the SRB have the following responsibilities in determining if a developer's proposal is consistent or inconsistent with the Ionia County's Solid Waste Management Plan:

- a. Comparing the developer's proposal with "Disposal Area Siting Criteria for Ionia County" as set forth in Ionia County's Solid Waste Management Plan.
- b. Obtaining and disseminating pertinent information from and to interested citizens and parties.
- c. Reviewing plans, reports, designs, and similar information.
- d. Visiting the proposed site for review and inspection.
- e. Consulting the local ordinances specified in this Plan to determine zoning and possible operations standards.

SELECTED SYSTEM

Apart from determining consistency with the Plan, members may assist the community and the developer in resolving conflicts by offering suggestions for addressing special needs.

The County Board of Commissioners is responsible for reviewing findings of the SRB and the Planning Commission and for ensuring that the County's final determinations of consistency or inconsistency comply with the Plan's siting criteria.

B. Applicability of Siting Criteria

1. Relationship to 20-year disposal capacity requirement

The standards specified in this Plan must be strictly applied to any proposed facility if the County does not already have 20 years' documented disposal capacity. In this case, any proposed facility offering needed capacity must be found consistent with the Plan if it meets the criteria. On the other hand, if the County has 20 years of disposal capacity available for all waste in the county as demonstrated by this Plan when the service area authorized by the Plan is taken into account, no proposed solid waste disposal facility is required to be sited under (i.e., found consistent with) this Plan.

If 20 years' capacity is already adequately documented, the County may declare that a proposal for further capacity either (a) is consistent with the Plan if it meets the criteria below, or (b) is inconsistent with the Plan, either because it does not meet the criteria or because capacity beyond the 20-year period is not required.

2. Clarification of consistent project types

As expressed in this updated Plan, Ionia County does not expect to see development of waste-to-energy facilities or solid waste processing plants within the next five years. However, although such facilities are considered unlikely in the near term, any actual proposals for these types of facilities will be consistent with this Plan at any time they meet the standards outlined below.

3. Applicability of siting criteria to existing facility

Any further expansion of the Pitsch landfill, transfer station, or processing plants in Ionia County beyond the currently permitted area will be subject to the Plan's siting mechanism and criteria.

SELECTED SYSTEM

C. Local Zoning/Siting Ordinances

Section 11538(8) of Part 115 of the Solid Waste Management Act states that “an ordinance, law, rule, regulation, policy, or practice of a municipality, county, or governmental authority created by statute, which prohibits or regulates the location or development of a solid waste disposal area, and which is not part of or not consistent with the approved solid waste management plan for the county, shall be considered in conflict with this part and shall not be enforceable.” Beyond the general zoning-related provisions of point I-D-1-a below, this Plan provides that any new solid waste disposal facilities sited in the following three communities may be located only in the areas named here:

- 1) In the City of Ionia, warehouse and transfer facilities may be sited only in the Light Industrial district as defined in the City’s zoning ordinance.
- 2) In the Village of Saranac, waste disposal facilities, including incinerators and sanitary landfills, may be sited only in the industrial district as defined in the Village’s zoning ordinance.
- 3) In the City of Portland, waste disposal facilities, including incinerators and sanitary landfills, may be sited only in the Industrial ‘I’ District, except that the commercial land uses permitted in District ‘C-2’ may involve incidental accessory structures and uses located on the same lot.

D. Disposal Area Siting Criteria for Ionia County

Proposed facilities must comply with the following standards to be found consistent with this Plan. These siting criteria apply to new facilities and to any expansion of existing operating facilities beyond the area presently covered by Part 115 of Act 451 construction permits.

1. General location.
 - a. County/local restrictions. Except as otherwise specified herein, transfer stations, solid waste processing plants, and incinerators may be developed only in industrial, commercial, or agricultural zoning districts. Landfills may be sited only in industrial or agricultural areas. Facilities may also be sited on unzoned land.

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If someone proposing a solid waste processing or disposal facility questions the validity of a zoning district, the County Planning Commission may review the zoning ordinances establishing the zoning district. If the County Planning Commission finds the designation to be unreasonably restrictive, the Planning Commission may overrule the designation which obstructs siting.



SELECTED SYSTEM

- b. Minimum parcel size. To be consistent with this Plan, a proposed landfill must be located on a parcel of at least 40 acres. Other types of disposal areas must have a parcel of at least 10 acres available.
 - c. State and federally owned land. Solid waste disposal facilities shall not be located or permitted to expand on land owned by the United States of America or by the State of Michigan. Disposal areas can be located on State land only if both of the following conditions are met:
 - (i) Thorough investigation and evaluation of the proposed site by the proposer indicates to the satisfaction of the DEQ that it is suitable for such use.
 - (ii) The State determines that the land may be released for landfill purposes and the proposer acquires the property in fee title from the State in accordance with State requirements for such acquisition.
 - d. Facilities may not be located on property registered under Part 361, Farmland and Open Space Preservation Act of Act 451, at the time a proposer applies for a determination of consistency under this Plan.
2. Population density

If a radius of 1500 feet is drawn from any point on the perimeter of the active waste management area of the proposed disposal facility, and if that encompassed area has more than 25 dwelling units, the proposal is inconsistent with this Plan.

3. Road Access

To be consistent with the Plan, a proposed disposal facility's site must provide direct access to all-season roads. If a proposal for a disposal facility includes or assumes year-round traffic to off-site sources of cover material, the proposal must include all-season road access provisions for this function. A proposal will be found consistent with the road access requirement of the Plan if it contains a written statement agreeing to upgrade direct access roads to all-season standards based on AASHTO specifications as cited below, at no direct charge to county or local governments. A 66-foot easement recorded on the deed of a land-locked parcel qualifies as having road frontage, but does not negate the necessity for the access road to be of all-season construction.

In Ionia County all interstate and state highways, except M-50 westward from the vicinity of Tasker Road, are all-season roads (as of summer 1991). As determined by the Ionia County Road Commission, the following county roads are all-season

SELECTED SYSTEM

roads: Grand River Avenue throughout the County, Tuttle Road and Riverside Drive between Harwood and Kelsey Roads; Harwood and Kelsey Roads between Tuttle Road and Riverside Drive; Hubbardston Road between Nickel Plate Road and M-21; and Fisk Road between Montcalm Avenue and Whitesbridge Road. As structural changes occur on particular roads, the appropriate governmental agency will apply proper standards to keep the classification of those roads current. For county roads, the Ionia County Road Commission identifies all-season status, the design and construction must conform to AASHTO standards, as set forth in Design Guidelines... Adopted for All-Season Roads (revised January 1989). Before and during construction, the developer will provide design information to the Ionia County Road Commission and will consult with that agency as needed throughout the life of the facility.

4. Isolation distances (at the time of application for a determination of consistency under this Plan)

To be consistent with this Plan, the active filling or working area of any proposed disposal facility must be isolated from other land uses or property lines as follows:

	<u>Land Use</u>	<u>Setback Standard</u>
i)	Existing domiciles	300' from property line
ii)	Public water supply wells (i.e., any water supply well(s) serving more than a single- family residence)	2,000' for landfills, 300' for other disposal facilities
iii)	Churches, schools, municipal parks, campgrounds	800' for landfills, 75' for other disposal facilities
iv)	Other developed land uses, including road right-of-way, commercial buildings, industrial land use, agricultural structures, permanent lakes/streams, vacant platted land	100' from property line

5. Distance from airports

The area to be filled in any landfill may not be located within 10,000 feet of a runway of a licensed public use airport as licensed by the Michigan Aeronautics Commission.

SELECTED SYSTEM

6. Floodplains

No constructed or operational portions of a facility may be located in a 100-year floodplain as defined by Rule 323.311 of the administrative rules of Part 31, Water Resources Protection, of Act 451.

7. Operational requirements

The facility developer shall agree to the following operational requirements. If the developer does not agree to these requirements the facility shall not be considered consistent with this plan.

Provide the following data to the County Solid Waste Planning Agency:

- a. If a landfill, the area and volume the landfill is expected to occupy when it reaches capacity based on the service area and waste volumes allowed by this plan.
- b. If a landfill, an estimate of the time it is expected to take to reach a capacity based on the waste stream indicated.
- c. For all facilities, provide semi-annually the average quantity of waste received on a daily basis itemized by in-county and out-of-county sources by county and, if a landfill, the estimated remaining time for continued landfill operation in terms of quantity of waste, acre-feet of landfill space and years.

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Any proposed disposal facility which offers disposal capacity needed during the 20-year planning period and which meets the criteria set forth in this amendment is consistent with this Plan. In reviewing competing proposals, preference may be given to proposals which exceed the siting standards enumerated herein and/or the design requirements of Part 115, or which will provide the greatest degree of environmental protection.

Surcharges

Upon adoption of this Plan all type II and III landfills in Ionia County shall have imposed on its tipping fee a 4% surcharge, unless a separate host agreement is agreed upon, then that agreement supersedes the 4% surcharge. The Solid Waste Management Plan and enforcement powers which it contains through Part 115 of PA 451 will initially provide the authority for this surcharge. In the future a county ordinance or other type of enforcement procedure could be established if necessary.

SELECTED SYSTEM

The surcharge will be submitted to the Ionia County Treasurer's office monthly, and will be used as follows:

1. Thirty-five percent of the surcharge received will be remitted to the township in which the landfill is located and from which the surcharge was received. The monies may be deposited in the general fund and used for any purpose, however, this is intended to be used for expenses arising from the landfill presence in the community, such as road maintenance, periodic reviews, handling complaints, etc.
2. An additional fifteen percent will be remitted to the township in which the landfill is located and from which the surcharge was received. The local unit shall use the monies to establish and promote resource recovery projects such as recycling and composting.
3. Fifty percent shall be placed in a special county fund which will be used for establishing and promoting resource recovery projects throughout the County.

This provision shall remain in effect until such time as the State of Michigan provides for collection of a surcharge to be distributed to the township and the county.

In the event the county or township subsequently levies an additional surcharge on tipping fees or a charge on household, the county or township imposing such charge(s) shall forfeit its right to collect its portion of the surcharge set forth in this plan, and the surcharge set forth in this plan shall be reduced by a corresponding amount.

ELECTED SYSTEM

SOLID WASTE MANAGEMENT COMPONENTS¹

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

Solid waste management planning and implementation in Ionia County primarily involves the Ionia County Health Department, Solid Waste Planning Committee, Resource Recovery Project, the Ionia County Board of Commissioners, and Michigan Department of Environmental Quality. Other participants may include the federal government, Ionia County municipalities, and local units of government.

Funding for programs and administration is provided by a percentage of a landfill impact fee, state grants, and Ionia County.

¹ Components or subcomponents may be added to this table.

SELECTED SYSTEM

IDENTIFICATION OF RESPONSIBLE PARTIES

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

Resource Conservation:

Source or Waste Reduction – These are all strategies that are best dealt with utilizing education and promotion. The Resource Recovery Project will continue to work with supporting organizations to promote these options.

Product Reuse -

Reduced Material Volume -

Increased Product Lifetime -

Decreased Consumption -

Resource Recovery Programs:

Composting – Private haulers, local municipalities, and homeowners.

Recycling - Private disposal companies and haulers and Ionia County.

Energy Production – N/A

Volume Reduction Techniques:

Collection Processes: Private Haulers

ELECTED SYSTEM

Transportation: Private Haulers

Disposal Areas:

Processing Plants -

Incineration -

Transfer Stations – Private Business

Sanitary Landfills – Private Business

Ultimate Disposal Area Uses: Private Business

Local Responsibility for Plan Update Monitoring & Enforcement: Ionia County Board of Commissioners and Ionia County Resource Recovery Project.

Educational and Informational Programs: Ionia County Resource Recovery Project.

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:

****Local ordinances and regulations within the County are listed under the Siting Criteria and Process section, I.C. Local Zoning/Siting Ordinances page III-35.**



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

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

A. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction: .

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B. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

C. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

D. Geographic area/Unit of government:

Type of disposal area affected:

Ordinance or other legal basis:

Requirement/restriction:

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

☐ 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.

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

Documentation of capacity is provided in Attachment D-3 in the letter from Pitsch Sanitary Landfill stating that Pitsch does have the capacity to accept solid waste generated from Ionia County for the next 20 years. Ionia County generates approximately 54,000 tons per year and Pitsch Landfill can accept approximately 83,000 tons per year for the next 20 years. All of Ionia County's solid waste is not only disposed of at this landfill, but Waste Management operates a transfer station in Ionia County that transfers solid waste to other Waste Management owned landfills outside the county.

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.

Recycling drop-off in Ionia County began in 1988 with the agreement between Waste Management, Inc. and the City of Ionia. Containers were placed within a fenced area, unattended during specific hours. The problem with this situation was the unattended containers. Residents were disposing of solid waste, appliances, and hazardous waste, thus contaminating the recyclables and costing the City of Ionia additional expenses. The program was discontinued. In 1994, Waste Management Inc. completed their new facility and offered a recycling drop-off to the public. This drop-off center was available Monday-Friday during regular business hours. The program had an overwhelming response from the communities. The drop-off center was fenced in an attended area, reducing the means of recycling contamination. In December 1997, Waste Management Inc. closed their facility leaving many residents without the access of free recycling. The Resource Recovery Project responded to this dilemma with implementing a monthly recycling drop-off. This program begins in April and continues through November, offering recycling one time per month. This program has received an overwhelming response from the communities. In 1998 this program accepted approximately 210 yards of recyclables. Recyclables that are accepted are: paper, plastics (1 PET, 2HDPE, 6 POLY.), glass, metals, and corrugated cardboard. The participation in this program is expected to grow in the next (5) years with the education and advertising.

Ionia County offers a permanent drop-off facility for household hazardous waste. This is possible with coordination of a state grant, the county, and a percentage of the landfill impact fee. Collection is scheduled five times per year at the permanent site and three times per year at satellite sites. This program combined with the grant funded program "Clean Sweep" has been very successful in removing materials from homes, garages, bars, and our environment.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

Recycling materials accepted at the monthly drop-off site and the City of Ionia curbside recycling program:

Paper – All newspapers, including inserts; magazines & catalogs; discarded mail; brown paper bags, corrugated cardboard.

Plastics – Small neck household bottles designated as 1 PET, 2 HDPE, and 6 POLYSTYRENE.

Glass – Bottles, all colors.

Metals – Tin food cans, beverage cans, aluminum, aluminum foil.

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

Equipment Selection

Existing Programs:

Resource Recovery Project of Ionia County implements (8) recycling drop-offs at the Ionia Fairgrounds. These drop-offs are one time per month, starting April through November. This program contracts a local hauler to supply recycling containers. Private companies are free to select equipment which they feel best meets their needs for providing service to customers.

Private hauler's curbside recycling currently conserves approximately 15,000 cubic yards of airspace and is estimated to be 16,000 in five years and 17,000 in ten years. The county recycling program currently conserves approximately 1,000 cubic yards of airspace and this figure could increase or decrease depending on the funding and availability of the necessary equipment. Pitsch Landfill recycling site conserves approximately 5,000 cubic yards of airspace with an estimated 5,500 in five years and 6,500 in ten years.

Resource Recovery Project also oversees the permanent household hazardous storage facility. This program conducts (5) HHW drop-offs at the permanent facility and (3) drop-offs at satellite sites. This program in combination with the Clean Sweep program provides an important service to our community.

The county household hazardous waste and farm pesticide programs conserve approximately 25 cubic yards of airspace, estimating 30 cubic yards in five years and 35 in ten years.

Site Availability & Selection

Existing Programs:

Sites for existing programs were established with regard to the type of operation, the demand in the area, and the accessibility to residents.

Proposed Programs:

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.

Currently backyard composting conserves approximately 7,000 cubic yards of airspace, with 7,500 projected in five years and 7,500 in ten years. Municipal composting programs conserve approximately 14,000 cubic yards, 15,000 in five years, and 16,500 yards in ten years.

Existing Programs:

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

<u>Program Name</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
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COORDINATION EFFORTS:

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

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

An existing agreement in regards to this Solid Waste Management Plan is between Ionia County, Orleans Township, and Pitsch Companies to clarify the collection and distribution of the Impact Fee collected from Pitsch Landfill, in accordance to agreements made in December 1997.

There is potential for additional arrangements to be entered into in the future as regulations and situations evolve in the county, state, and country. Future considerations will be based on the necessity for an arrangement to allow for Plan consistency.

The County does not have any formal import/export agreements with the counties identified in the Plan listed in Tables 1A & 2A. If in the future the Resource Recovery Project, Solid Waste Planning Committee, and authorization of the Board of Commissioners will negotiate a formal agreement with any of the counties listed per the authorized conditions. A copy of the agreement will be forwarded to the Michigan Department of Environmental Quality.

The Plan will be perpetually monitored to make corrections and/or modifications where they are deemed necessary. Ultimate responsibility for development, approval, and enforcement rests with the Ionia County Board of Commissioners.

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 Component¹	Estimated Costs	Potential Funding Sources
<u>Resource Conservation Efforts</u>	\$2,000.00	County RRF (Impact fee from Pitsch Landfill)
<u>Resource Recovery Programs</u>	\$7,000.00	RRF
<u>Volume Reduction Techniques</u>	\$7,000.00	RRF
<u>Collection Processes</u>	Unknown	Private Business
<u>Transportation</u>	Unknown	Private Business
<u>Disposal Areas</u>	Unknown	Private Business
<u>Future Disposal Area Uses</u>	Unknown	Private Business
<u>Management Arrangements</u>	Unknown	Private Business
<u>Educational & Informational Programs</u>	\$2,000.00	RRF

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

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

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

Ionia County's selected solid waste management system was evaluated according to guidelines set forth by the Michigan Department of Environmental Quality, and from approval of the 1990 Plan Update. Each alternative and component reviewed was determined to be technically and economically acceptable for Ionia County.

There has been a positive impact to the Resource Recovery Program implementing numerous recycling drop-off centers, household hazardous waste and Clean Sweep collection dates. The communities have made these worthwhile programs successful for our environment. Informing and educating the community will only increase the success of these programs.

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. History of Effectiveness
2. System developed through willing partners and negotiation
3. Availability of Collection Infrastructure
4. Integrated approach using various disposal options
5. Maintains economical options for county residents
6. Numerous disposal options within and outside the county
7. Public acceptability high
8. Deals with quality of waste, and not just quantity

DISADVANTAGES:

1. Lack of incentives for dramatic increases in recycling
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

NON-SELECTED

SYSTEMS

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

Ionia County has utilized the current Selected System for the past 10 years. This Selected System is proposed to only be improved over the future. The non-selected systems were not considered for the following reasons:

Incineration –costs, lack of public acceptance, lack of interest by the private sector, air quality, and environmental considerations.

Solid Waste Processing Plant – costs, lack of interest by the private sector.

SYSTEM COMPONENTS:

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

RESOURCE CONSERVATION EFFORTS:

Incineration – No impact.

Solid Waste Processing Plant – No impact.

VOLUME REDUCTION TECHNIQUES:

Incineration – High impact but not cost effective.

Solid Waste Processing Plant – Moderate impact but not cost effective.

RESOURCE RECOVERY PROGRAMS:

Incineration – Negative impact.

Solid Waste Processing Plant – Moderate impact but more costly than landfilling.

COLLECTION PROCESSES:

Incineration – Negative impact requires flow control.

Solid Waste Processing Plant – Negative impact, more costly than direct haul.

TRANSPORTATION:

Incineration – Location dependent.

Solid Waste Processing Plant – Location dependent.

DISPOSAL AREAS:

Incineration – Negative economic impact.

Solid Waste Processing Plant – Moderate impact on volume, but negative economic impact.

INSTITUTIONAL ARRANGEMENTS:

Incineration – Not applicable.

Solid Waste Processing Plant – Not applicable.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Incineration – No need.

Solid Waste Processing Plant – No need.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Incineration – Higher than present system.

Solid Waste Processing Plant – Moderately higher than existing system.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

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

The non-selected systems were found to be economically non-competitive with the selected system. Public interest and environmental concerns were considered in the selected system.

ADVANTAGES AND DISADVANTAGES OF THE NON-SELECTED SYSTEM:

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

ADVANTAGES:

1. Possible increase in energy recovery.
2. Possible increase in material recovered from the waste stream.

DISADVANTAGES:

1. Disruptive to the selected system that is working well.
2. Increased costs compared to the present system.
3. Lack of interest by the public and private sector.
4. Technically and economically less feasible.

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 PARTICIPATION

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

**PUBLIC NOTICE
IONIA COUNTY SOLID WASTE
MANAGEMENT PLAN UPDATE
DRAFT PLAN REVIEW AND PUBLIC
HEARING NOTICE**

The Ionia County Solid Waste Planning Committee has drafted a Solid Waste Management Plan update as required by the Natural Resources and Environmental Protection Act, 1994 PA 451, Part 115, Solid Waste Management, and its administrative rules. The draft Plan addresses the County's strategies and methods to handle its solid waste for the next five and ten year planning periods.

The selected alternatives chosen by the Planning Committee include continued reliance on the existing systems which include land filling for waste disposal, recycling drop-offs, curbside systems, composting operations, and household hazardous waste collection program.

A 90-day review and comment period of the draft Plan has been established for review by regulating agencies, all municipalities in the County and the general public. The draft Plan can be reviewed by the public at the following location:

Ionia County / MSU Extension Office
100 Library St.
Ionia, MI 48846

Drafts can also be purchased at the above location for \$12.00 per plan.

A Public Hearing on the draft Plan will be conducted on Thursday, June 17, 1999 for the purpose of receiving comments from interested persons. The hearing will be held at 7:00 pm at the following location:

Ionia County Courthouse
100 Main St.
Board of Commissioner's Room
Ionia, MI 48846

Written comments received through July 31, 1999 will be considered by the Solid Waste Planning Committee prior to final adoption and should be sent to:

Ionia County / MSU Extension Office
ATTN.: Michele A. Stemler
100 Library St.
Ionia, MI 48846

Agriculture/Economic Development Committee

November 2, 1999, 9 a.m.

- * Approve minutes of previous meeting(s)
- * Delegations:
 - 9 a.m. Michele Stemler, Resource Recovery Coordinator
 - * Solid Waste Plan
- * Business:
 - 1. Countywide Parks & Recreation Program
- * Appointments:
- * Miscellaneous



Ionia County Board of Commissioners

100 West Main Street • Courthouse • Ionia MI 48846

616.527.5300 • Fax: 616.527.5380

November 23, 1999

At a meeting of the Ionia County Board of Commissioners held Tuesday, November 16, 1999, the following action was taken:

- a. Moved by Commissioner Wilson that the Ionia County Board of Commissioners hereby resolves to approve the Solid Waste Management Plan prepared pursuant to Part 115 of Act 451 of 1998, as amended, and the rules promulgated thereunder for Ionia County. Motion carried unanimously by voice vote.

Barbara A. Trierweiler
Barbara A. Trierweiler, Clerk

BOC
approval

**SOLID WASTE PLANNING COMMITTEE
MEETING MINUTES
OCTOBER 28, 1999**

Members present: Dennis Kmiecik, Bill Haagsma, Brent Goodsell, Jack Shattuck, Mary Cusack
By conference phone: John French, Gary Pitsch, Ron Nelson
Others present: Michele A. Stemler

-Meeting was called to order at 4:45 p.m. by Chairperson Mary Cusack.

-The minutes from the Solid Waste Planning Committee Meeting from September 23 were approved.

-There were no public comments.

-Dennis brought up the issue of a cap for Pitsch Sanitary Landfill. He pointed out that on the Import Conditions there was a 54,240 tons per year limit for Pitsch Sanitary Landfill. He suggested that be changed to 100,000 tons per year and listed on the import chart on page III-2. Other committee members agreed to this limit and suggested that the plan should note that if Pitsch does go over that limit, the surcharge should increase.

-Michele noted that she did not think that the surcharge issue could be put into the plan, but that she would notify the appropriate people for the County of Ionia. At that time the County of Ionia, Pitsch Sanitary Landfill, and the Township of Orleans meet for a mutually agreed upon surcharge adjustment.

-Gary added that he would like to see a 150,000 tons per year cap. He noted that he has enough capacity with the new cells under construction.

-Bill Haagsma added that with a 100,000 cap, it would leave an incentive for Ionia County, Orleans Township, and the Resource Recovery Program. This cap would not fill up the landfill quicker, thus leaving Ionia County with at least 20 years of capacity for disposal at the landfill.

-Mary added that Ionia County's population will be increasing and this needs to be considered. She also added that members of the committee need to make decisions for the best interest of the County and not for personal gains.

-Jack Shattuck motioned to vote on the cap and seconded by Bill Haagsma. The committee took a vote on the 100,000 cap annually with 6-yes/1 nay. Committee member Gary Pitsch voting no.

-The committee took a vote on passing the Solid Waste Plan on the Agricultural/Economic Committee for recommendation to the Board of Commissions with the 100,000 annual cap changed on the plan. The vote was 6-yes/1 nay. Gary Pitsch voting no. Ron Nelson was then reached by phone, updated, and a vote was conducted once again on the cap and the passing of the plan. The cap and plan was passed with 7-yes/1 nay. Gary Pitsch voting no.

-Jack Shattuck motioned to adjourn. Motion carried. Meeting adjourned at 5:30 pm.

**SOLID WASTE PLANNING COMMITTEE
MEETING MINUTES
SEPTEMBER 23, 1999**

Members present: Paul Lewis, Gary Pitsch, Dave Olivet, Bill Sweeney, Bill Haagsma, Mary Cusack, John French, Jack Shattuck. Others present: Michele A. Stemler

-Meeting was called to order at 4:08 p.m. by Chairperson Mary Cusack.

-The minutes from the Solid Waste Public Hearing held on June 17, 1999 were approved.

-There were no public comments.

-Michele started the meeting discussing the comments that were returned from DEQ. Copies of the changes were distributed to the committee members.

-Surcharges were discussed. Michele brought up the question from the County Administrator Mark Howe on implementing surcharges and listing them in the plan for transfer stations and processing plants. Gary Pitsch replied that usually transfer stations and processing plants are not charged surcharges because they are charged at the end disposal site. Mary added that in the event that surcharges with transfer stations and processing plants, the plan would be re-opened or a separate agreement would be set up with owner.

-Gary Pitsch did confirm to remove page II-8 from the facility description section and leave page II-5. Page II-5 is the correct page.

-The committee did agree that the 4% surcharge would remain the same as in the previous plan, but to add that unless a separate host agreement is set up, the agreement would supersede the 4% surcharge. The committee agreed also to leave the surcharge section with the siting criteria and not relocate to the ordinance section of the plan, as recommended by the DEQ. Bill Haagsma motioned. Motion carried.

-The Fast Track Amendment was suggested to be left in the plan, but to change the wording from will to the County may adopt it.

-Michele brought up the comment from the DEQ that the tables regarding import/export counties were not corresponding with each other. Also the DEQ added that the export conditions and whether the County would require reciprocal agreements was discussed. It was agreed upon that the tables should correspond with each other and that a sentence should be added into the import and export conditions that the County does not require reciprocal agreements, but does require some kind of either import/export agreement.

-Bill Haagsma requested that the correct page numbers be placed on page III-34.

Bill Haagsma motioned to adjourn. Motion carried by Mary. Meeting adjourned at 5:40 pm.

Ionia County Solid Waste Plan
Public Hearing -- June 17, 1999

Members present: Mary Claire Cusack, Bill Sweeney, John French, Bill Haagsma, Paul Lewis, Dave Oliveto, Ron Nelson

Others present: Michele A. Stemler (Resource Recovery), Emma Palova (reporter for Sentinel Standard)

-Mary called the hearing to order @ 7:04 p.m.

-Mary asked for public comments.

-Emma Palova asked some questions for her article on the Solid Waste Plan for the County. The plan's adoption was explained.

-What are the differences in other counties plans with ours?

Landfill county, and population information

-What are the main concerns?

Enough land for disposal and agreements with other counties if our county cannot dispose of our own solid waste.

-Why agreements and tonnage limits?

To protect our county and disposal.

-Cliff Lazarus was not present but did drop off a letter to the Solid Waste Committee to be discussed. After each committee member read, it was found irrelevant to the plan.

-John recommended to call municipalities and remind them of the purpose, changes, and options of the plan and to pass. He also recommended Michele to attend the Township Association meeting to get the message out to the townships. Another suggestion was to send ballots to townships. Michele agreed that all of the suggestions was appropriate and will be followed up on.

-Ron motioned to adjourn. Motion carried.

-Public hearing closed at 8:00 p.m.



Ionia County Board of Commissioners
Courthouse, Ionia, Michigan 48846
616-527-5300

March 23, 1999

At a meeting of the Ionia County Board of Commissioners held Tuesday, March 16, 1999, the following action was taken:

Solid Waste Planning Commission - Moved by Commissioner Wilson that Dave Oliveto be appointed to the Solid Waste Planning Commission. Motion carried.


Barbara A. Trierweiler, Clerk

SOLID WASTE PLANNING COMMITTEE
MEETING MINUTES
MARCH 18, 1999

Members present: Mary Claire Cusack, Jack Shattuck, Eugene Jager, Dave Oliveto, Brent Goodsell, Paul Lewis, Ron Nelson, Gary Pitsch, Bill Haagsma

Members absent: John French, Bill Sweeney, Jim Scott, Joel Noe, Dennis Kmiecik

Other present: Michele A. Stemler, Steve Essling

-Meeting called to order @ 4.30 PM.

-Motion by Haagsma to approve the meeting minutes from the January committee meeting. Yes-all. Motion carried.

-Mary noted a correction in her name to be Mary Claire Cusack.

-Haagsma noted in the Appendix section that the agreement between Ionia and Montcalm Co. is 1500 tons/day. Michele added that she will obtain the agreement from the courthouse records.

-Michele noted the change on the import conditions wording from contracts to agreements.

-Michele pointed out the change on page III-2. She added tons per day & tons per year.

-Ron Nelson and Gary Pitsch were updated upon their arrivals.

-Haagsma questioned the authorization letter from Shiawassee County. Essling added that letters were sent at the same time from Shiawassee County and Barry County. The letter from Shiawassee is yet to get approval from that county.

-Haagsma and Essling questioned the import/export limits and where the amounts derived from. Michele informed them that the tons derived from Pitsch on an annual basis. Also limits came from the previous solid waste plan for Ionia County. Haagsma questioned if the tons per day limit could be a problem if the daily tons were exceeded. The committee noted that this would be an average tons per day per year.

-Gary Pitsch noted that the information on the Pitsch Facility Description should have 40,000 tons as capacity and estimated lifetime of 6 months - .5 year. After the expansion the description should have 100,000 capacity and estimated lifetime of 23 years.

-Steve noted that DEQ is looking for consistency with the plan and figures should be consistent throughout the plan. If that plan references 20+ years then the whole plan must.

-Paul noted the inconsistency with Page 3, paragraph 4 of the Pitsch information. He noted that if Pitsch put 20.82 years that the rest of the plan should have that figure also. The committee agreed that 20+ years is sufficient.

Mary added consistency would occur in the plan, not the facility description.

-Steve asked if the information from page III-29 was copied from the previous plan. Michele responded with yes. He noted that in the MDEQ booklet, page 6 act 153 is requesting planning from 10 years not 20 years. Eugene questioned if we have 20 years in the plan if this violates anything. Steve responded with no. The committee agreed to leave planning for 20 years in the plan.

-Bill questioned if project 20 years now means 17 years because the Pitsch proposal is 3 years old. Gary answered no, after approval it will be 20+ years.

-Mary pointed out corrections for Page III-33 and Page III-37 with capacity and plan consistency.

-Eugene questioned if Amendment 641 was written up for counties without landfills. Bill added that there should be at least 10 years capacity not 20 years. Steve added that Amendment 641 is no longer in existence. As of March 1995 there is Part 115 of Act 451.

-Steve also commented on the necessity of having a siting mechanism in the plan. Eugene questioned if it was OK to have a siting mechanism in the plan. Steve said by having a siting mechanism in the plan it gives a builder knowledge that siting is available in the county.

Eugene questioned if the plan is updated every 5 or 10 years. Michele replied with 5 years, although the last one was 10 years ago in 1990.

-Mary noted to Michele to replace the Act 641 with Part 115 of Act 451 in the plan. Also to put in verbiage from Pitsch proposal.

-Questions arose as to the necessity of the siting criteria in this plan. Steve added that if the siting criteria is in the plan that a developer could activate a planning process in this county. Paul suggested to leave the siting criteria in the plan. Ron added that if siting is removed, then it would have to be re-established in the future. Steve said the disadvantage of the siting criteria is that a developer could submit a draft copy, siting bypasses, could happen 1 year quicker. Rural counties are more vulnerable for development. Ron expressed concern that the siting criteria is necessary to have and would like to have it remain in the plan. The 20 year figures are dedicated to the county for importation.

-Motion by Ron to keep the siting criteria and the 20 year figures in the plan, supported by Paul. Motion carried.

-Steve mentioned that with the St. Joseph County Plan, the DEQ requested removal of any contracts in the Appendix section. This is reference with the Orleans Twp, Pitsch, and Ionia County Agreement. It was noted that this was an agreement and not a contract and should remain in the plan.

-Eugene motioned to open the plan for the 90 day public comment period after corrections are made, supported by Mary. Motion carried.

-Public review comment /period to start as of March 19, 1999.

-Public hearing is scheduled for Thursday, May 6 at 7:00 PM at the Ionia County Courthouse, Commissioners Room. Committee members are advised to attend.

-Steve mentioned that this is a hearing and not a discussion. Comments are discussed at a later date at a committee meeting. He added that Montcalm County's meeting was not conducted in that manner and was mishandled.

-Michele questioned if it was OK to send the plan to townships during this 90 day period. The committee approved.

-Michele handed out an example of the ad that would be placed in the paper regarding the comment/hearing period. Bill recommended to put the cost of \$12.00 in the public notice also.

-Motion to adjourn by Jack, motion carried. Meeting adjourned at 6:00 PM.

IONIA COUNTY
SOLID WASTE PLANNING COMMITTEE
MEETING MINUTES

Thursday, March 4, 1999

Members present: Dennis Kmiecik, Bill Haagsma, Ron Nelson, Eugene Jager, Jack Shattuck, Paul Lewis, Mary Clare Cusack, Gary Pitsch

Other present: Michele Stemler, Resource Recovery Project

-Mary Cusack called the meeting to order at 4:30 pm.

-Michele sent out updates, committee meeting minutes, and the appendix for the Plan to the committee members before today. She asked if anyone received their information.

-Michele asked the committee if there were any changes that needed to be addressed with the information that was sent out. There were none.

-Michele distributed import/export conditions for the committee to review and address. Dennis suggested that the word "contingency" be replaced with "reciprocal". He added that the State does look at contingency closely when noted in plans regarding counties. The committee agreed to the change.

-Gary brought up the list of counties on these conditions and questioned if counties that do not have landfills/facilities should remain on the list. Members of the committee suggested that those counties remain on the plan and list.

-Michele addressed the issue that was brought up by Dennis at the last meeting about the import/export counties listed as primary and that Ionia County should be our priority in solid waste disposal. Michele suggested listing (4) counties as primary import/export counties (Barry, Clinton, Kent, and Montcalm) with listed limits; and listing the remaining counties negotiable with future limits and reciprocal agreements. The committee acknowledged that suggestion for Michele to change that information. Michele also noted that Saginaw was not included in the list of counties due to a letter of request received from that county. Dennis suggested to list them in the plan, because the plan is in place for approximately 5 or + years.

-Michele asked the committee if a letter to the counties listed in the plan is sufficient or should she draw up a formal reciprocal agreement. She distributed a copy of an agreement sent from another county as an example. The committee agreed that a letter would be sufficient. Paul Lewis pointed out in the reciprocal agreement example that it mentions special waste and that the committee had addressed the special waste issue in past meetings. Mary suggested putting a clause on the reciprocal before it is signed and returned to the county.

-Dennis suggested that the plan, as it is presented currently, should have an additional facility description from Pitsch Landfill that would list the capacity and life of the landfill when his permit is approved for expansion.

Dennis added that the way the plan is presented, Pitsch does not have the capacity to accept even 5 years of Ionia County waste. Gary agreed to that request and felt it was a good idea. Gary also updated the committee on the progress of the landfill expansion. He stated that with the approval of the permit for expansion, it would give Pitsch another 30 years with capacity of approximately 5 million tons.

-Gary will supply Michele with the maximum amount of ton acceptable for Ionia County available after the construction permit to give us an exceeding amount for a period of time. Gary also explained that not all of Ionia County materials (approx. 40 tons/year) are received at Pitsch Landfill. He explained the Landfill Receipt Report that lists each county and amounts accepted on an annual basis. He noted that these reports are due from each landfill and facility in the state.

-Mary added that there must be a limit of tons accepted per year from other counties listed in the plan. The limit per year currently is 100,000 tons and will be included in this plan. The committee agreed that the limits from the current plan would be included again in the plan. Eugene questioned if any of the limits from other counties and vice versa have taken population into consideration. It was noted that if the limits need to be revised, that they will be negotiated. Michele noted that she would list that note in the plan. Dennis stated that the agreement with Ionia County was 100 tons and will remain the same. Letters have been received by each acknowledging this agreement. Dennis added that the limits stated in the Kent County plan came from the State of Michigan Annual Landfill Report.

-Michele stated that at the next meeting, scheduled for March 18, @ 4:00 pm, she would like to have the plan at the completion stage with a vote to submit for the 90 public review/comment period. The committee requested to be called before the meeting for a reminder. The committee was also reminded that it is necessary to have at least (8) members present to have a quorum. Michele added that she would let the members that have not been present know the importance of attendance for this meeting.

-Eugene motioned to adjourn at 5:45 pm. Motion carried by Mary, Bill, and Jack.

SOLID WASTE PLANNING COMMITTEE

MEETING MINUTES

Thursday, January 28, 1999

Members present: Mary Cusack, Bill Haagsma, Dennis Kmiecik, Brent Goodsel, Eugene Jager, Bill Sweeney, Jack Shattuck, Paul Lewis

Others present: Michele Stemler - Resource Recovery, Ty Clery - Denny's Disposal, Steve Eisling - Barry County

-Meeting called to order by Mary at 4:00 PM.

-Mary introduced Michele Stemler who took Don Lehman's position as Resource Recovery Coordinator. Members and guests introduced themselves.

-Michele handed out updates for the Plan that were not originally sent to Committee members.

-Steve Eisling handed out the updated facility description for City Environmental.

-Mary questioned whether there is a non-compliance list from the state regarding landfills.

-Dennis Kmiecik questioned whether we had other counties approval of capacity to accept Ionia County's solid waste if our primary landfill closes. Dennis questioned the need for reciprocal agreements from these counties unless they do not have a landfill. There should some specific standards to accepting the import of another county's solid waste. It should be noted the specific tons other counties will accept from us and vise versa.

-Corrections and updates were noted by Bill Haagsma, Dennis Kmiecik, and Paul Lewis.

-Dennis recommended that the Land Development sector be re-worded. Jack Shattuck assisted in the process. Changes were motioned by Mary, (2) ayes. Motion carried by Mary.

-Dennis recommended to contact Jim Johnson from DEQ regarding the Local Ordinances and Regulations section. Kent County's section was denied by DEQ and had to be changed.

-Mary questioned if Ionia County's plan was ok with the state in regards to missing the deadline date of December. Michele responded with yes, stating that as long as DEQ is updated on the progress. DEQ is taking into consideration that the plan had no coordination until Don Lehman's position was filled. Steve Eisling added that Ionia County's plan was doing good and that the county was at the same stages as approximately 50% of the rest of Michigan.

-Meetings will be done on an on-call basis. Plan updates would be sent to committee members before the meeting to promote productive meetings.

-Bill Haagsma motioned to adjourn meeting at 5:18 PM.

Sign In Sheet

8/27/98

Mary Clare Cusack

Steve Essling

Paul Lewis

Bill Hagaman

Dennis Kmiecik

Ron Nelson

Gary Pitsch

John French

Denny Goodsell

City Environmental Service

Jonah Co. Health Dept.

Waste Management

Pitsch Sanitary Landfill
Village of Lake Odessa
Dennys Disposal

SIGN IN SHEET

SL PC

NAME

2/29/98

Jack Shatterch

Jon Carson

Jack Noe

Will Thompson

Dennis Kmiecik

Mc King

Bill Sweeney

Mary Cusack

Dog Steel

Matthew Still

Phil Wilson

Neal Stearns

Don. Linn

Paul Lewis

Wm. Hartman

496-5011



RESOURCE RECOVERY PROJECT OF IONIA COUNTY

July 7, 1998

TO: Ionia County Solid Waste Planning Committee
FROM: Don Lehman, Solid Waste Coordinator *Don*
RE: Solid Waste Management Plan Progress

I want to inform you that as of July 8, 1998, I will be officially leaving my position as Ionia County's Solid Waste Coordinator. I have accepted a position with Michigan State University Extension as a District Groundwater Stewardship Agent, and my office will be in Stanton at the Montcalm County Extension Office beginning on July 9. I will, however, in my "spare" time continue the process of putting together a draft of the SWMP.

At the last Solid Waste Planning Committee meeting on June 18 a quorum was not present, so we informally discussed the Plan and set the date for the next meeting. The next meeting will be held on July 30 at 4:00 at the Extension Office in Ionia. At that meeting the draft of the Plan can be discussed and possibly approved and offered for public review and comment. I will make every effort to attend that meeting, and be available for questions. If you need to contact me you can call me at 616-527-1369 or 517-831-7500.

It has been a pleasure working with the Solid Waste Planning Committee and I very much appreciate the Committee's support and direction.

c. Ionia County Municipalities
SWMP Update Mailing List



RESOURCE RECOVERY PROJECT OF IONIA COUNTY

May 8, 1998

TO: Ionia County Solid Waste Planning Committee
FROM: Don Lehman, Solid Waste Coordinator *Don*
RE: May 7, Solid Waste Planning Committee Meeting

Members Present: Gary Pitsch, Paul Lewis, MaryClaire Cusack, Eugene Jager, Bill Haagsma,
and Ron Nelson

Others Present: Ike King, City Management Inc.; Don Lehman, Ionia County

A quorum was not present at this meeting, so no official business was conducted. There was general discussion about the following areas:

- Special waste and general type II waste categories
- Siting criteria
- Inter-county arrangements
- Overall direction and content of the Plan

The next meeting of the Solid Waste Planning Committee will be held on Thursday, June 18 at 4:00 PM at the Extension Office in Ionia. Don Lehman will have a draft of the Plan ready at that time for review by the SWPC.

Minutes -- Ionia County Solid Waste Planning Committee
April 2, 1998

Members Present: Brent Goodsell, Gary Pitsch, MaryClaire Cusack, Jim Goering, Bill Haagsma, Joel Noe, Jack Shattuck, Eugene Jager, Dennis Kmiecik, Jim Scott
Others Present: Doug Carson, Pitsch Companies; Ike King, City Environmental's Hastings Sanitary Landfill; Don Lehman, Solid Waste Coordinator

The meeting was called to order a 4:05 PM by Chairperson MaryClaire Cusack in the conference room at the Pitsch Landfill in Orleans Township. The Minutes of the March 5, 1998 SWPC meeting were approved as presented.

During the public comment time Ike King from City Environmental introduced himself to the Committee.

~~Letters were sent out to 15 counties requesting reciprocal consideration for import/export of general type II waste, and to 16 counties requesting import/export consideration for "special wastes" only.~~ Verbal communication was made with a few counties about this request, but it is too early in the planning process for most all counties to make commitments at this time. One county and one waste company made requests that a "special waste" county be changed to a general type II county. ~~Calhoun County~~ has made that request through their Solid Waste Coordinator, and Waste Management, Inc. made that request concerning ~~Shiawassee County~~. This change in designation for Calhoun and Shiawassee Counties was approved unanimously by the Committee. ~~Letters to both counties will be sent to indicate this change in designation.~~

Waste generation estimates for Ionia County were presented to the Committee. The local hauler's survey, the DEQ landfill survey, and EPA per capita rates indicate that approximately 38,000 tons of Ionia County waste is landfilled. The Committee's discussion centered on the total amount of waste generated in the County and the amounts composted and recycled. More information will be collected and added to the Committee member's comments and observations in order to clarify this data.

Maps were reviewed by the Committee that were developed by Jim Scott of the Natural Resources Conservation Service. These maps detail the County's transportation system, municipalities, natural waterways, and drains. These maps will be incorporated into the data base section of the Plan, along with soil type and topography maps. Additional data base information will be collected from the Ionia County Economic Alliance that is completing a comprehensive Ionia County Data Source Book.

No new information was presented about the selected disposal options.

The next meeting will be held on May 7, at 4:00 PM at either the MSU/ Ionia Extension Office or the Ionia County Health Department.

The meeting was adjourned at 5:35 PM.



Ionia County Board of Commissioners
Courthouse, Ionia, Michigan 48846
616-527-5300

March 19, 1998

At a meeting of the Ionia County Board of Commissioners held Tuesday, March 17, 1998, the following action was taken:

Solid Waste Planning Committee - Moved by Commissioner Shattuck that Bill Haagsma be appointed to the Solid Waste Planning Committee as a representative for Waste Management of Michigan. Motion carried.

Barbara A. Trierweiler
Barbara A. Trierweiler, Clerk



Ionia County Board of Commissioners
Courthouse, Ionia, Michigan 48846
616-527-5300

March 19, 1998

At a meeting of the Ionia County Board of Commissioners held Tuesday, March 17, 1998, the following action was taken:

Since the Agriculture/Economic Development Committee meeting, the Resource Recovery Coordinator has one additional appointment recommendation for the Solid Waste Planning Committee. Moved by Commissioner D. Thelen, supported by Commissioner Haney, that Dennis Kmiecik be appointed to the Solid Waste Planning Committee. Motion carried.


Barbara A. Trierweiler, Clerk

Minutes
Ionia County Solid Waste Planning Committee
March 5, 1998

Members Present: Brent Goodsell, Gary Pitsch, Paul Lewis, John French, MaryClaire Cusack, Jim Goering, Bill Haagsma, Bill Sweeney, Joel Noe, Ronald Nelson, Jack Shattuck

Others Present: Doug Carson, Pitsch Companies; Don Lehman, Solid Waste Coordinator

The meeting was called to order at 4:10 PM by Chairperson MaryClaire Cusack in the conference room of the MSU/Ionia Extension Office in Ionia.

The Minutes of the February 5, 1998 SWPC meeting were approved as presented.

No public comment.

The Goals and Objectives for the SWMP that were discussed at the 2/5/98 meeting were presented by Don Lehman. The Goals and Objectives were approved unanimously.

County hauler and regional landfill data was presented for discussion. Within the county and the region sufficient landfill space exists for both present needs and future needs. (20-30 years of capacity) The following landfills in the region were identified as potential disposal options for Ionia County waste: Pitsch Landfill, South Kent County Landfill, Ottawa County Farms Landfill, Autumn Hills Recycling & Disposal Facility, Central Sanitary Landfill, Hastings Sanitary Landfill, and Granger Sanitary Landfill. Kent County also owns an incinerator which may be an option for small portions of Ionia County's waste.

The relationship with surrounding counties regarding the import and export of waste was discussed. Presently general type II waste is accepted from nine surrounding counties, and special waste is accepted from 31 counties. It was decided to maintain the 31 counties that Ionia will accept special waste, and add seven counties from which Ionia County will accept general type II waste. ~~In all counties that have disposal facilities, Ionia County's priority will be to develop reciprocal arrangements where waste can be imported and exported freely from county to county. This arrangement may be set at the Pitsch Landfill in order to maintain secured capacity for Ionia County disposal needs.~~ Don Lehman will contact the Designated Planning Agencies for the general type II waste counties and the special waste counties. See enclosed map.

General county data is still in the process of being compiled.

The disposal options listed in Ionia County's present Solid Waste Management Plan were discussed and updated with regard to current information. The committee felt that four options need to be looked at in the Plan. These options are waste reduction and reuse, recycling,

composting, and landfilling. The transfer station in Ionia County, while maintaining an operating permit, has closed. Waste-to-energy will only be considered to the extent that some Ionia County waste may be disposed of at the incinerator in Kent County. Information will be collected that details the present use of these options and the potential for their expansion in the future.

Don Lehman suggested that Dennis Kmiecik, a Belding resident and an employee of the Kent County Department of Public Works, be added to the Solid Waste Planning Committee. He would fill a vacancy in the category of General Public. The Committee felt that Mr. Kmiecik would be an appropriate and valuable addition to the Committee. Mr. Lehman will make a recommendation to the County Board of Commissioners that Dennis Kmiecik be added to the Solid Waste Planning Committee for Ionia County.

The next meeting will be held on April 2, 1998 at 4:00 PM. The meeting will be held at the Pitsch Landfill in Orleans Township. Any Committee members who arrive by 3:30 will be offered a tour of the landfill.

The meeting was adjourned at 5:50 PM.

Minutes
Ionia County Solid Waste Planning Committee
February 5, 1998

Members Present: Gary Pitsch, Paul Lewis, Jim Scott, John French, MaryClaire Cusack, Eugene Jager, Jim Goering, Bill Haagsman(replacing Annie Bales from Waste Mgt.)

Others Present: Doug Carson, Pitsch Companies; Dennis Cemiche, Kent County; Don Lehman, Ionia County Solid Waste Coordinator

SWPC Chairperson MaryClaire Cusack called the meeting to order at 4:10 PM in the conference room at Pitsch Landfill in Orleans Township. Members and guests introduced themselves.

No public comment.

The committee spent approximately two hours discussing possible goals and objectives for updating the Solid Waste Management Plan. The two goals used as examples by the DEQ were chosen as goals, and four objectives for each goal were agreed upon to support those goals. The list of goals and objectives will be presented to the committee at the next meeting for approval. (See enclosed Goals & Objectives)

Information was distributed that explained the type of data that needs to be included in the Plan and where that data can be located. Also information was handed out that described the present hierarchy of disposal options in Ionia county's current Plan.

Import and export agreements were discussed for Ionia County. The general consensus of the committee was that present arrangement with surrounding counties should be followed closely. (See enclosed map) Restrictions for the importation and exportation of waste should not be limited, while at the same time ensuring capacity for Ionia County waste and establishing most agreements with individual counties as reciprocal.

The next meeting will be held on March 5 at 4:00 PM. The meeting will be held at the Ionia/MSU Extension Office at 100 Library St. in Ionia.

The meeting was adjourned at 6:45 PM.

AGENDA

Ionia County Solid Waste Planning Committee February 5, 1998 @ 4:00 p.m.

- 1. Introductions**
 - Bill Haagsman replacing Annie Bales as Waste Mgt. representative.
 - Still need one more representative from general public for committee
- 2. Public Comment**
- 3. Goals & Objectives of Plan**
 - Handout with DEQ requirements and examples.
 - SWMP's current goals and objectives.
- 4. Solid Waste Disposal Options**
 - Current Plan's Selected Options (handout)
- 5. County Data**
 - Handouts: Required Data & Sources
 - Haulers Survey
 - Facilities Survey
- 6. Import/Export Agreements**
 - Map
 - Import/Export Documentation Form
- 7. Committee Member Comments or Discussion**
- 8. Adjournment**

Minutes
Ionia County Solid Waste Planning Committee
November 30, 1997

Member Present: Brent Goodsell, Gary Pitsch, Bill Sweeney, Paul Lewis, Jack Shattuck, John French, Joel Noe, MaryClaire Cusack, Ron Nelson, Eugene Jager, Jim Goering

Others Present: Jonathan Edelman, ICEA; Don Lehman, Solid Waste Coordinator

Don Lehman called the meeting to order at 4:05 PM. Mr. Lehman asked all persons attending the meeting to introduce themselves and give information about their involvement or interest in the solid waste industry.

Mr. Lehman gave an overview of the planning process, a history of Ionia County's Plan, changes necessary in updating the Solid Waste Management Plan, and a timetable for completion.

Mr. Lehman also explained a proposed change in the collection and distribution of the surcharge collected from the Pitsch Landfill. That change is in the process of being negotiated between Ionia County, Orleans Township, and Pitsch Companies.

MaryClaire Cusack was elected chairperson for the committee, and Paul Lewis was elected vice-chair.

Paul Lewis was elected the representative from the SWPC to attend a Site Review Board meeting for a proposed expansion at the Pitsch landfill

A Department of Environmental Quality training session will be held on December 10, to provide additional information for counties involved in updating SWMP's. Don Lehman will be attending that training session.

The next meeting will not be held until the first part of 1998. Until the next meeting Don Lehman will continue to gather information from the training session and other sources.

The meeting was adjourned at 5:20 PM.



97-
Ionia County Board of Commissioners
Courthouse, Ionia, Michigan 48846
616-527-5300

September 22, 1997

At a meeting of the Ionia County Board of Commissioners held Tuesday, September 16, 1997, the following action was taken:

Solid Waste Planning Committee - Moved by Commissioner Wilson that the following individuals be appointed to the Solid Waste Planning Committee as representatives of various categories relevant to this issue: Brent Goodsell, Ann Bales, Gary Pitsch, Bill Sweeney, Paul Lewis, Jim Scott, Jack Shattuck, John French, Joel Noe, MaryClaire Cusack, Ron Nelson, Eugene Jager, and Jim Gocring. Motion carried.

Barbara A. Trierweiler
Barbara A. Trierweiler, Clerk



Ionia County Board of Commissioners
Courthouse, Ionia, Michigan 48846
616-527-5300

August 21, 1997

At a meeting of the Ionia County Board of Commissioners held Tuesday, August 19, 1997, the following action was taken:

Commissioner Wilson, chairperson of the **Agriculture/Economic Development Committee**, presented the following recommendations:

- a. Moved by Commissioner Wilson that the Ionia County Board of Commissioners authorize the preparation and filing of a Solid Waste Management Plan Update and that the County's Notice of Intent for this process be sent to the Michigan Department of Environmental Quality, Waste Management Division. Motion carried.
- b. Moved by Commissioner Wilson that the Ionia County Board of Commissioners designate the Resource Recovery Project as the planning agency responsible for preparation of the Solid Waste Management Plan Update. Motion carried.

Barbara A. Trierweiler, Clerk
Board of Commissioners

RECEIVED AUG 19 1997

Orleans Township ~ 4296 Palmer Rd., Belding, MI 48809-9559

Frederick Chapman, Supervisor
616-761-3613

Joyce E. Doty, Clerk
616-761-3220

Joel Noe, Treasurer
616-761-3169

Jerry Gallagher, Trustee
616-761-3243

Herman Peterson, Trustee
616-761-3214

August 18, 1997

Don Lehman, Coordinator
Ionia County Resource Recovery
100 Library
Ionia, MI 48846

Dear Don:

At our August 13, 1997 meeting the following individuals were suggested to serve on the committee to be formed for updating the Ionia County Solid Waste Plan.

Representing the Twp Board

Resident-at-large

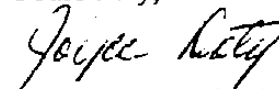
Joel Noe, Treas.
Orleans Township
6259 Orleans Rd.
Orleans, MI 48865
Ph. 616-761-3169

Eugene Jager
3737 Kiddville Rd.
Orleans Belding, MI 48809
Ph. 616-794-0728

Both individuals are very interested in working on this committee.

If there are any questions, please call

Yours truly,


Joyce E. Doty, Clerk

PUBLIC PARTICIPATION

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

The County solicited individuals from each represented category on the Solid Waste Management Planning Committee. Contacts that indicated an interest in participating on the committee were approved by the Board of Commissioners. All appointments were filled and any changes to the committee that arose followed the same procedure as the original appointment procedure.

PUBLIC PARTICIPATION

PLANNING COMMITTEE

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

Four representatives of the solid waste management industry:

1. Brent Goodsell – Allied Disposal (previously known as Denny's Disposal)
2. Gary Pitsch – Pitsch Companies
3. Bill Haagsma – Waste Management, Inc.
4. Bill Sweeney – Les' Sanitary Service

One representative from an industrial waste generator:

1. Dave Oliveto - TRW

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

1. Jim Scott – Natural Resources Conservation Service
2. Paul Lewis – Ionia County Health Department

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

1. Jack Shattuck – County Commissioner

One representative from township government:

1. Joel Noe – Orleans Township

One representative from city government:

1. John French – Manager, Village of Lake Odessa

One representative from the regional solid waste planning agency:

1. Mary Clair Cusack – Region 8 Planning Board

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

1. Eugene Jager
2. Dennis Kmiecik
3. Ronald Nelson

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.

Currently Ionia County is utilizing the majority of the plan's selective system. The County will continue to implement and improve the recycling and hazard waste removal systems open to the public. Resource recovery is always looking for ways to educate the public regarding programs available and procedures to implement for a better and cleaner community.

Private haulers will continue to operate in the County providing waste collection, recycling services, and yard waste removal to residents. Waste haulers cooperation under the Solid Waste Ordinance has and will be beneficial for the implementation of this plan.

Attached signed documentation of acceptance of responsibilities from the following entities is available for observance.

Department of Resource Recovery – Solid Waste Management Plan implementation, monitoring, amending, updating, etc.

Severability

Sections of the Plan shall be deemed severable and should any section, clause or provision of this Plan be declared to be invalid, it shall not affect the validity of the Plan as a whole or any part thereof other than the part so declared to be invalid.

Fast-Track Amendment Process

In the event that legislative changes to P.A. 451 (Part 115) allow for a Fast-Track Amendment to be included in County Solid Waste Management Planning, the Ionia County Board of Commissioners may develop a process (to be approved by the MDEQ) by which certain aspects of the Plan may be amended. This Fast-Track Amendment process will allow for public comment and participation, but will streamline the current procedures necessary for amendments to the Plan.



RETURN TO
APPROVAL
LETTER

ATTACHMENTS

Resolutions

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

ATTACHMENTS

Listed Capacity

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

- Demolition Engineers
- Asbestos Abatement
- Salvaged Building Materials
- Excavating and Underground Services
- Concrete Recycling



Companies

SANITARY DIVISION

- Landfill Operation
- Dumpster Service
- Commercial & Residential Waste Services
- Land Development

March 3, 1999

Ionian County Resource Recovery Project
Michele Stemler
100 Library Street
Ionian, MI 48846

Dear Ms. Stemler:

Be advised that Pitsch Sanitary Landfill of Belding, the designated landfill in Ionian County, has capacity to receive 100% of waste generated in Ionian County. This capacity is available each year beginning in 1999 and running through the year 2019.

This statement of capacity is intended to conform with the requirements of the revised Ionian County Solid Waste Plan.

Please call if you have any questions.

Sincerely,



Douglas Carson

Director of Communications

dac



WASTE MANAGEMENT

1668 Porter Street S.W.
Grand Rapids, Michigan 49509
(616) 538-1921
(616) 261-4918 Fax

March 23, 1999

Michele Stemler
Ionia County Solid Waste Coordinator
100 Main St
Ionia, MI 48846

Dear Ms. Stemler,

This letter is to inform that Waste Management - Greenville Transfer Station will except solid waste from Ionia County. This is an import/export agreement and Waste Management - Greenville Transfer does acknowledge said agreement. We look forward to reciprocal agreements on importing/exporting between counties.

Sincerely,

A handwritten signature in cursive script that reads "Joanne Gould".

Joanne Gould
Supervisor

March 12, 1999

Michele Stemler
Ionia County Solid Waste Coordinator
100 Main St
Ionia, Mi. 48846

Dear Ms. Stemler,

City Environmental Services Landfill, Inc. of Hastings can provide primary disposal for up to 100%, of Ionia Counties waste for the up and coming planning period. Our facility has just received a new construction permit this spring. Based on 1998 "flows" the Hastings site has 20+ years of capacity.

With this correspondence is Barry County's May 28, 1998 request for reciprocal agreements for our contiguous counties. Additionally, I have included a facility description and a site plan.

If you have questions regarding this letter, please feel free to call me at 616-945-2260.

Sincerely,


Steve Essling





GREATER MICHIGAN LANDFILL DIVISION
A WASTE MANAGEMENT COMPANY

9536 East Lennon Road
Lennon, MI 48449
(810) 621-9080
(810) 621-3136 Fax

March 8, 1999

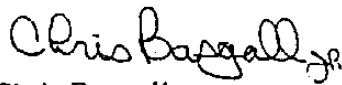
Michele Stemler
Ionia County Solid Waste Coordinator
100 Main St
Ionia, Mi. 48846

Dear Ms. Stemler,

This letter shall serve as Venice Park's formal request to be included as a primary disposal site in the Ionia County Solid Waste Plan. Waste is approved to leave Ionia County and be disposed of at Venice Park in the Shiawassee County Solid Waste Plan. Currently, Venice Park has 900,000 cu. yds. of available air space. Venice Park is in the process of finalizing a construction permit expansion that will be completed and approved in June of 1999. The expansion will yield an additional 15 million cu. yds. of capacity.

Venice Park can accept up to 100% of Ionia Countys annual 37,230 cubic yards of waste. If you have questions regarding this communication, please feel free to call me at 810-621-9080.

Sincerely,


Chris Basgall

cc: Terry Cooney

Autumn Hills Recycling and Disposal Facility
700 - 56th Avenue
Zeeland, Michigan 49464
616/688-5777



A Waste Management Company

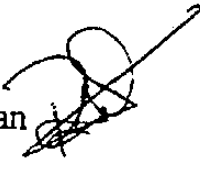
RECEIVED

SEP 30 1998

Ionia County Commissioners

DATE: September 28, 1998

TO: Mark Howe

FROM: Randy Dozeman
Site Manager 

SUBJECT: Potential Landfill Capacity - Letter dated 09-14-98

Ottawa County is in the process of updating their solid waste plan which if approved includes Ionia County as an approved county.

Autumn Hills RDF is willing and has the capacity to accept solid & special waste from Ionia County subject to the plans being approved. We look forward to reciprocal agreements on importing/exporting between counties.

If you need any additional information; please feel free to contact me at 616-688-5777.



RECEIVED MAY 26 1998

May 22, 1998

Mr. Donald Lehman
Ionia County Resource Recovery Project
100 Library Street
Ionia, MI 48846

RE: Ionia County Solid Waste Management Plan Update
Explicitly Authorized Solid Waste Exports

Dear Mr. Lehman:

BFI Waste Systems of North America, Inc. is a waste disposal company operating three Type II Sanitary Landfills in Michigan. These disposal facilities are authorized to accept municipal refuse, non-hazardous industrial waste and non-hazardous contaminated soils. These facilities are C&C Landfill in Calhoun County (south central Michigan), Arbor Hills Landfill in Washtenaw County (southeast Michigan) and Vienna Junction Landfill in Monroe County (also southeast Michigan). Included with this letter are the facility descriptions for each of the three BFI sites. You will be required by the MDEQ to provide this information in your planning process.

BFI understands that your county has indicated to the Michigan Department of Environmental Quality (MDEQ) its intention to update your solid waste management plan as required by Part 115 of the Natural Resources and Environmental Protection Act. In order for a landfill located in one county to serve the disposal needs of another county, Part 115 requires that the solid waste management plans of both counties explicitly authorize such services. The MDEQ also recommends, as part of your solid waste management plan update, that the updated plan explicitly identify the quantity of waste which may be exported to another county for disposal. Current export/import authorizations for your county are listed in the MDEQ "Export/Import Authorizations in County Solid Waste Management Plan Updates - January 1996". A copy of this report can be obtained from the MDEQ.

BFI's intent in sending this letter is to ask that your Solid Waste Planning Committee review its current export authorizations. We would then ask that your committee consider providing for export authorization to the three counties identified above (Calhoun, Washtenaw and Monroe) in the event that your county should ever be in need of one of

County SW Planning
May 22, 1998
Page 2

these disposal facilities in the next five to ten years (as required by the solid waste planning process). BFI would also ask your committee to consider authorizing each of these three landfills to serve up to 100 percent of the daily and annual disposal needs of your county, again, in the event that this should ever be necessary.

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

Sincerely,



Kathleen A. Klein
BFI Public Sector Representative

Encl.

SOLID WASTE DIVISION

Waste-to-Energy Facility
District Heating and
Cooling Operations
Landfill Operations
Recycling
Resource Recovery

WATER AND SEWER DIVISION

Financing
Construction
Operation



RECEIVED MAR 08 1999

JERRY O. KOOLMAN
Chairman

ROGER G. LANING
Vice Chair

BERRY R. REKEI
Secretary

CHERRY H. JACOBUS
PAUL McGUIRE

DAVID H. MORREN
TOM POSTMUS

CURT A. KEMPPAINEN
Director

Board of Public Works

March 8, 1999

Ms. Michele A. Stemler
Ionia County Extension
100 Library Street
Ionia, MI 48846

Re: Solid Waste Plan Capacity Assurance

Dear Michele:

Kent County's Solid Waste System (South Kent Landfill, Waste-To-Energy Facility and North Kent Transfer Station) has the capacity to accept the agreed amount of 100 tons per day or 36,500 tons per year from Ionia County for the next five year planning period. Kent County also has capacity for contingency disposal upon request for the same planning period.

If you have further questions regarding this matter feel free to call me.

Best regards,

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

Dennis W. Kmiecik, P.E.
Solid Waste Manager

S:\SWO\SWMA\PLANS\IONIA\CO2.WPD

SAUK TRAIL HILLS DEVELOPMENT, INC.

5011 S. Lilley Road

Canton, MI 48188

Phone: (313) 397-2790 Fax: (313) 397-2694

RECEIVED NOV 14 1997

November 10, 1997

Mr. Don Lehman
Resource Recovery Agent
MSU Ionia Extension
100 Library Street
Ionia, MI 48846

**Re: Ionia County Solid Waste Management Plan Update
Explicitly Authorized Solid Waste Exports**

Dear Mr. Lehman:

I understand that Ionia County has indicated to the Michigan Department of Environmental Quality ("MDEQ") that the County intends to prepare an update to its solid waste management plan (the "Plan Update") as required by Part 115 of the Natural Resources and Environmental Protection Act, and that you are the contact person for the Plan Update. As you may know, in order for a landfill located in one county to serve the disposal needs of another county, Part 115 requires that the solid waste management plans for both counties explicitly authorize such service. Further, although not expressly required under Part 115, MDEQ's "Guide to Preparing the Solid Waste Management Plan Update Format" recommends that a Plan Update explicitly identify the quantity of waste which may be exported to another county for disposal. The relevant pages of this MDEQ guidance document are enclosed. This letter formally requests that the Ionia County Plan Update explicitly authorize each of the following landfills owned and operated by Allied Waste Industries, Inc. ("Allied") to serve up to 100 percent of the daily and annual disposal needs of Ionia County

Allied Landfill	Host County
Auburn Hills (Auburn Hills, MI)	Oakland
Ottawa Farms (Coopersville, MI)	Ottawa
Sauk Trail Hills (Canton, MI)	Wayne

Mr. Don Lehman
November 10, 1997
Page 2

The existing MDEQ-approved solid waste management plan for Ionia County apparently does not explicitly authorize the service requested in this letter. Allied believes that its landfills can provide competitively priced, environmentally sound solid waste disposal services that are currently unavailable to Ionia County residents under the existing plan.

Allied would be happy to provide the you with any information Ionia County might require with respect to this request. Thank you for your attention to this matter and I look forward to hearing from you soon.

Very truly yours,

A handwritten signature in cursive script that reads "Laurie Kendall".

Laurie Kendall
District Landfill General Manager
ALLIED WASTE INDUSTRIES, INC.

Enclosure

RECEIVED APR 16 1998

April 10, 1998

Mr. Don Lehman
Ionia County Planning Commission
100 Library Street
Ionia, Michigan 48846

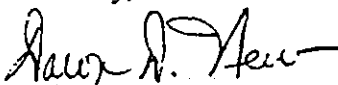
Re: Inclusion into Solid Waste Plan

Dear Mr. Lehman :

City Environmental, Inc. (CEI) a leader in the treatment and disposal of hazardous waste is hereby requesting the opportunity to be included in your county's solid waste plan. Beginning in 1989, CEI has been actively involved with household hazardous waste programs (H H W) across the state. Over 1,250 collections performed to date, including the combined collections from our service division in Florida. We are proud to be able to offer your community alternatives to taking household hazardous wastes directly to a landfill.

We offer a service that allows for household hazardous materials including such items as bleach, ammonia, used oil, antifreeze, poisons, herbicides, and many other wastes, to be treated properly at a licensed and permitted hazardous treatment facility located here in the State of Michigan. The immediate benefits of this service are that it reduces the volume going into the landfills and takes most of the dangerous items out of household waste and diverts them for proper treatment. The long term benefits are that not only is it safer for the environment but also safer for the waste handlers who come across it on a daily basis, year after year. We are asking that your county consider City's H H W programs as a viable alternative to landfilling materials as you would view composting or recycling as an alternative. Thank-you for taking the time and consideration to review our request. If you would like to learn more about our programs or have any questions regarding our facility, please contact me at (313) 923-0080, ext. 179 or Mr. Rod Nacker at ext. 139.

Sincerely,



Dawn D. New
Special Waste Representative





Waste ManagementSM

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

Phone 616 538 3750

May 1, 1998

Mr. Donald Lehman
Ionia County Resource Recovery Project
100 Library Street
Ionia, MI 48846

Re: Waste Management Landfills in Michigan

Dear Solid Waste Planning Committee Members:

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

1. MDEQ standard format information sheets for each of our landfills.
2. A map showing the location of our landfills.
3. A listing for each landfill showing which counties may import waste to the site.

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

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

May 1, 1998

Page 2

Mr. Donald Lehman

Ionia County Resource Recovery Project

Ionia County

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

Sincerely,

WASTE MANAGEMENT OF MICHIGAN, INC.

A handwritten signature in cursive script, appearing to read "Jeff Poole".

Jeff Poole

Manager, Business Development

File: Ionia County, 616/527-5357

FACILITY DESCRIPTIONS

Facility Type: Type II Solid Waste Landfill

Facility Name: Autumn Hills Recycling and Disposal Facility

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

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

If facility is an incinerator or a transfer station, list the final disposal site and location for incinerator ash or transfer station wastes: _____

☐ Public ☒ Private

Owner: Waste Management of Michigan, Inc.

Operating Status (check)

Waste Types Received (check all that apply)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☒ other: Solidification/Yard Waste

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

Foundry sands, sludges, fly ash, etc.

Site Size:

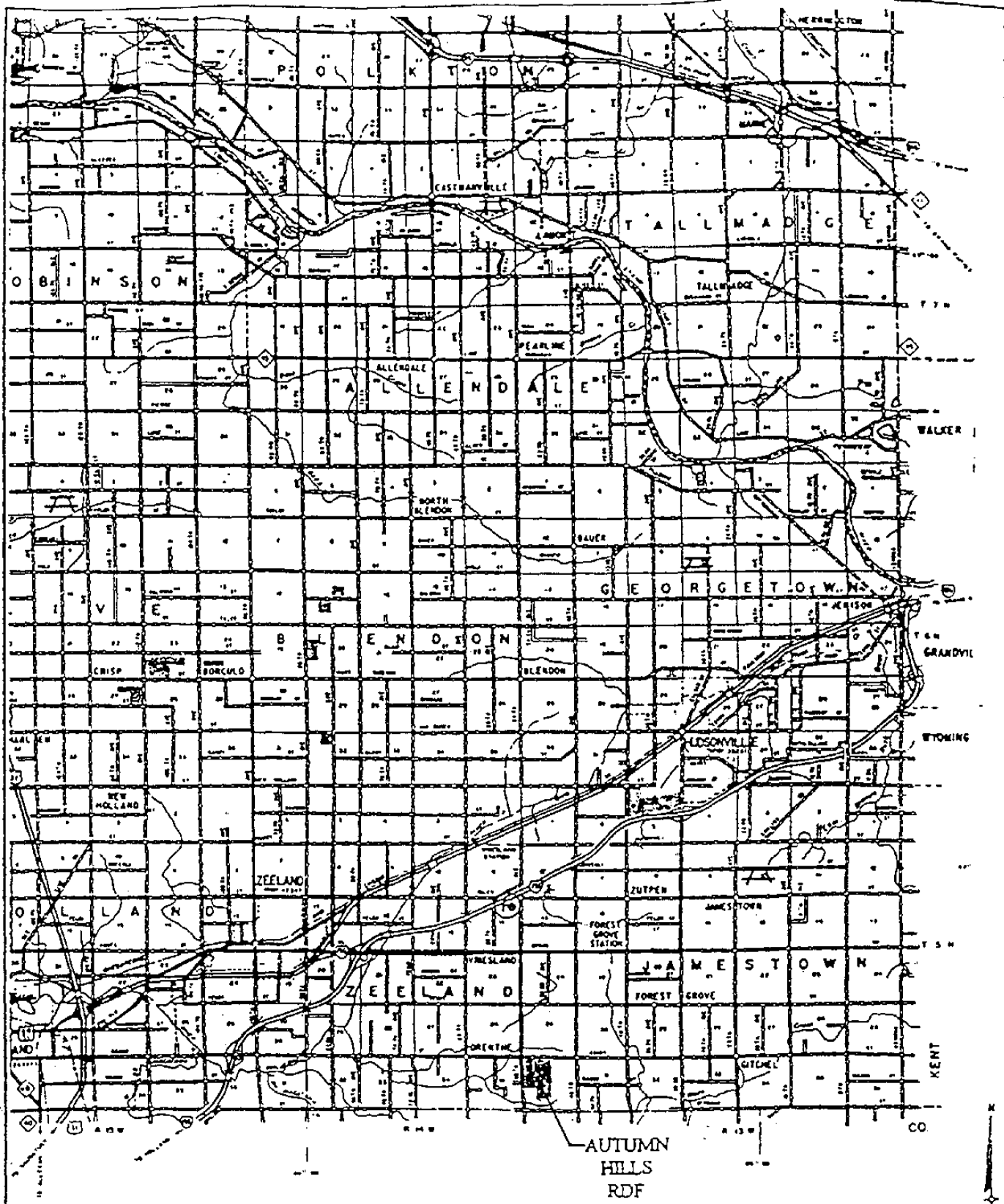
Total area of facility property:	314	acres
Total area sited for use:	197	acres
Total area permitted:	99.3	acres
Operating:	35.1	acres
Not excavated:	64.2	acres

Current capacity:	20.75	yds ³
Estimated lifetime:	30.2	years
Estimated days open per year:	286	days
Estimated yearly disposal volume:	500,000	tons

(if applicable)

Annual energy production:

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



LEGEND

- HAUL ROUTE
- SITE

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

0' .5' 1'

SCALE: 1"=1 MILE

RUST ENVIRONMENT & INFRASTRUCTURE

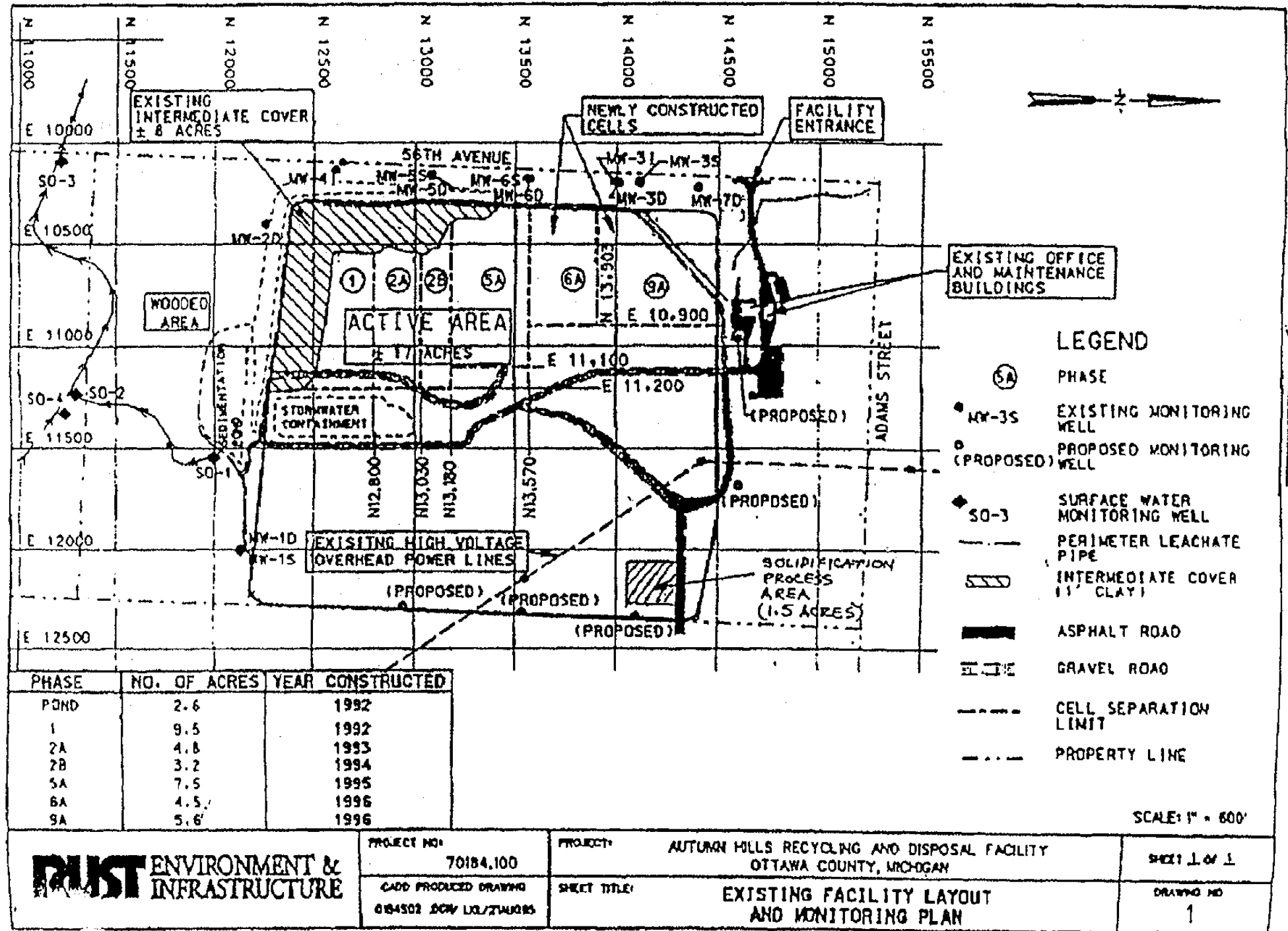
PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY

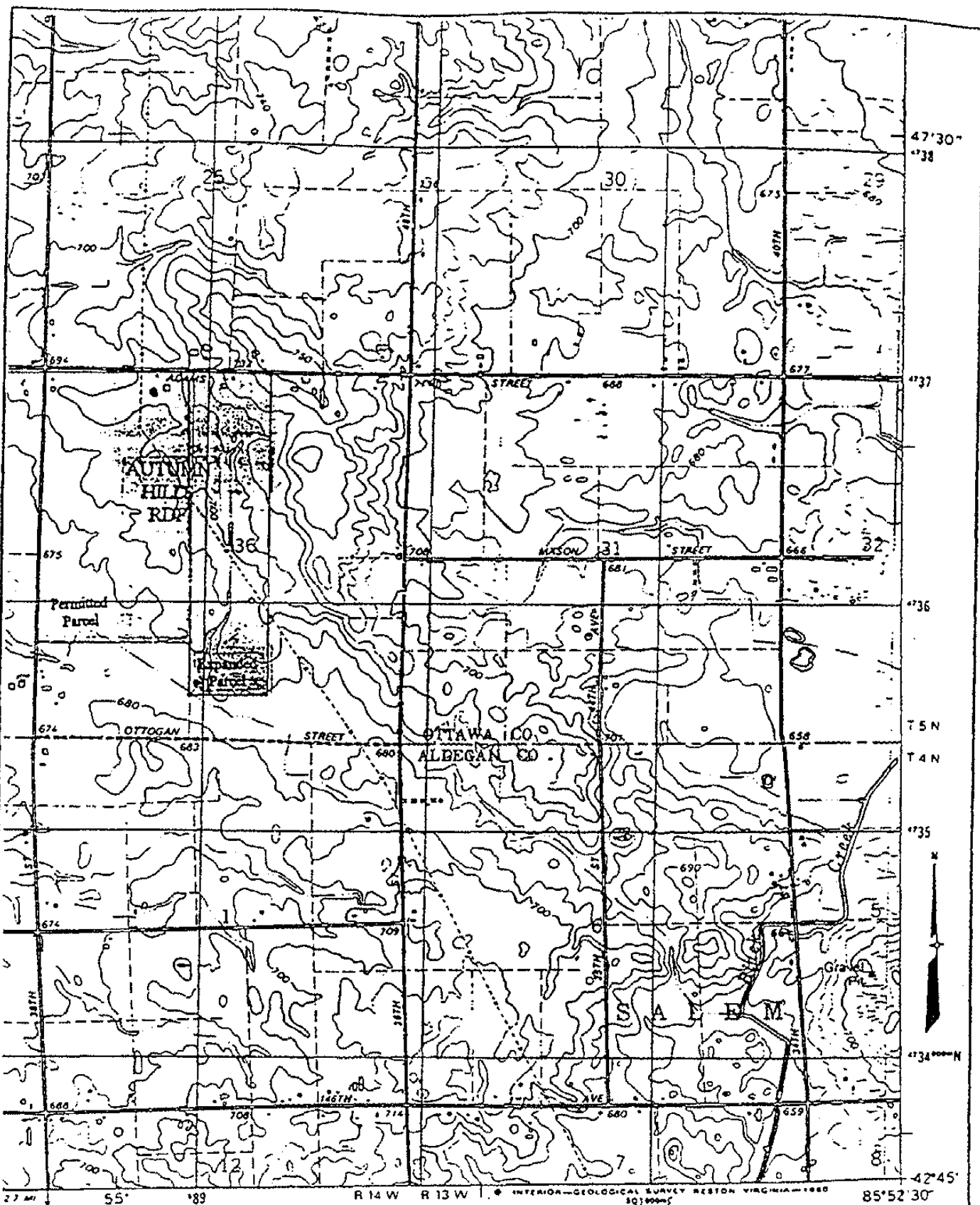
PROJECT NO: 74525.100

FIGURE 2 - 1

ENVIRONMENTAL ASSESSMENT REPORT
PERMIT MODIFICATIONS

SITE LOCATION MAP





LEGEND

SITE

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

0' .5' 1'
SCALE: 1"=2000'

RUST ENVIRONMENT & INFRASTRUCTURE

PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	
PROJECT NO: 74525.100	FIGURE 2 - 2
ENVIRONMENTAL ASSESSMENT REPORT PERMIT MODIFICATIONS	
SITE TOPOGRAPHY	

Autumn Hills - Ottawa County

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

* Counties approved for Special Waste only.

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: ☒ Yes ☐ No

If facility is an incinerator or a transfer station, list the final disposal site and location for incinerator ash or transfer station wastes: N/A

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

Operating Status (check)

Waste Types Received (check all that apply)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

☒ residential
☒ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☐ other: _____

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

WWTP filter cake, sludge

Site Size:

Total area of facility property:	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	yds ³
Estimated lifetime:	43	years
Estimated days open per year:	260	days
Estimated yearly disposal volume:	409,000	yds ³

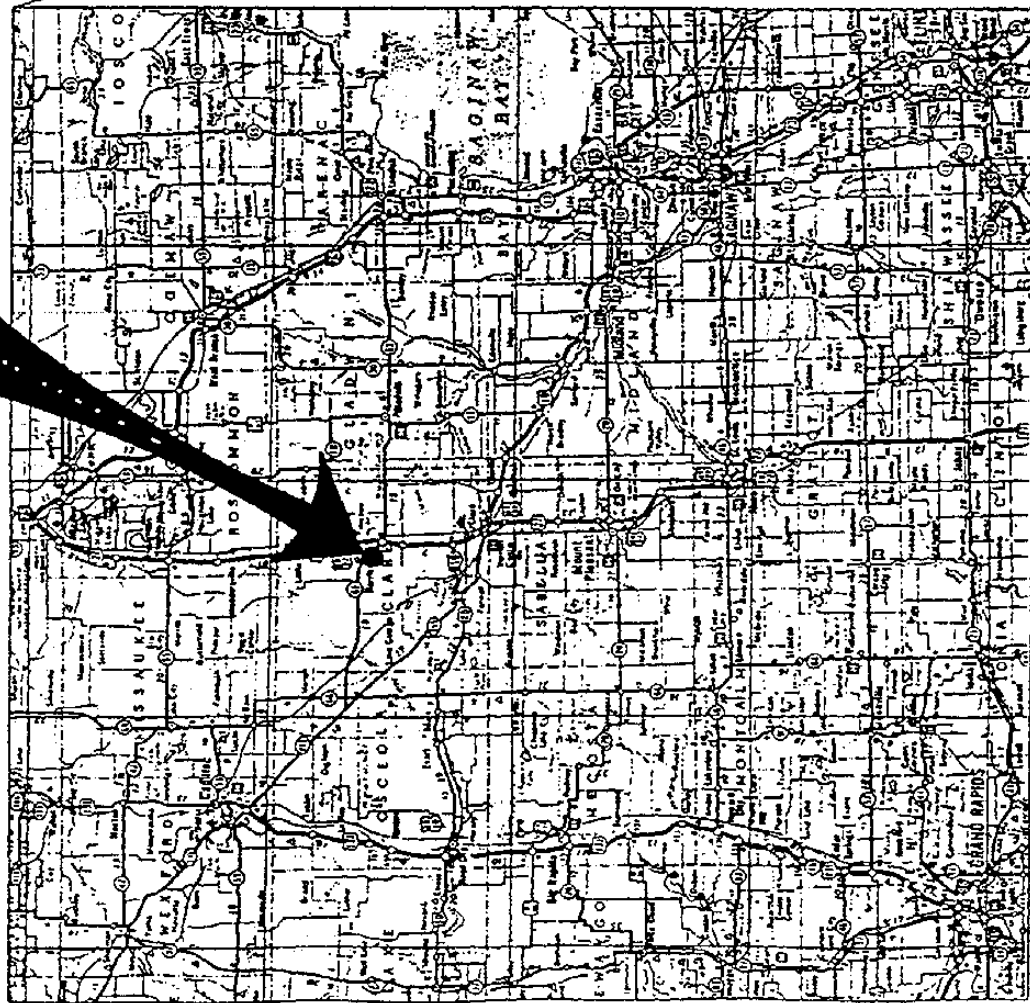
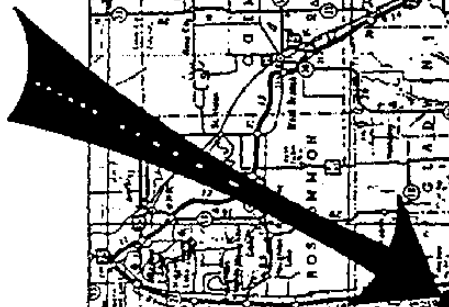
(if applicable)

Annual energy production:

 Landfill gas recovery projects: N/A megawatts

 Waste-to-energy incinerators: N/A megawatts

SITE LOCATION

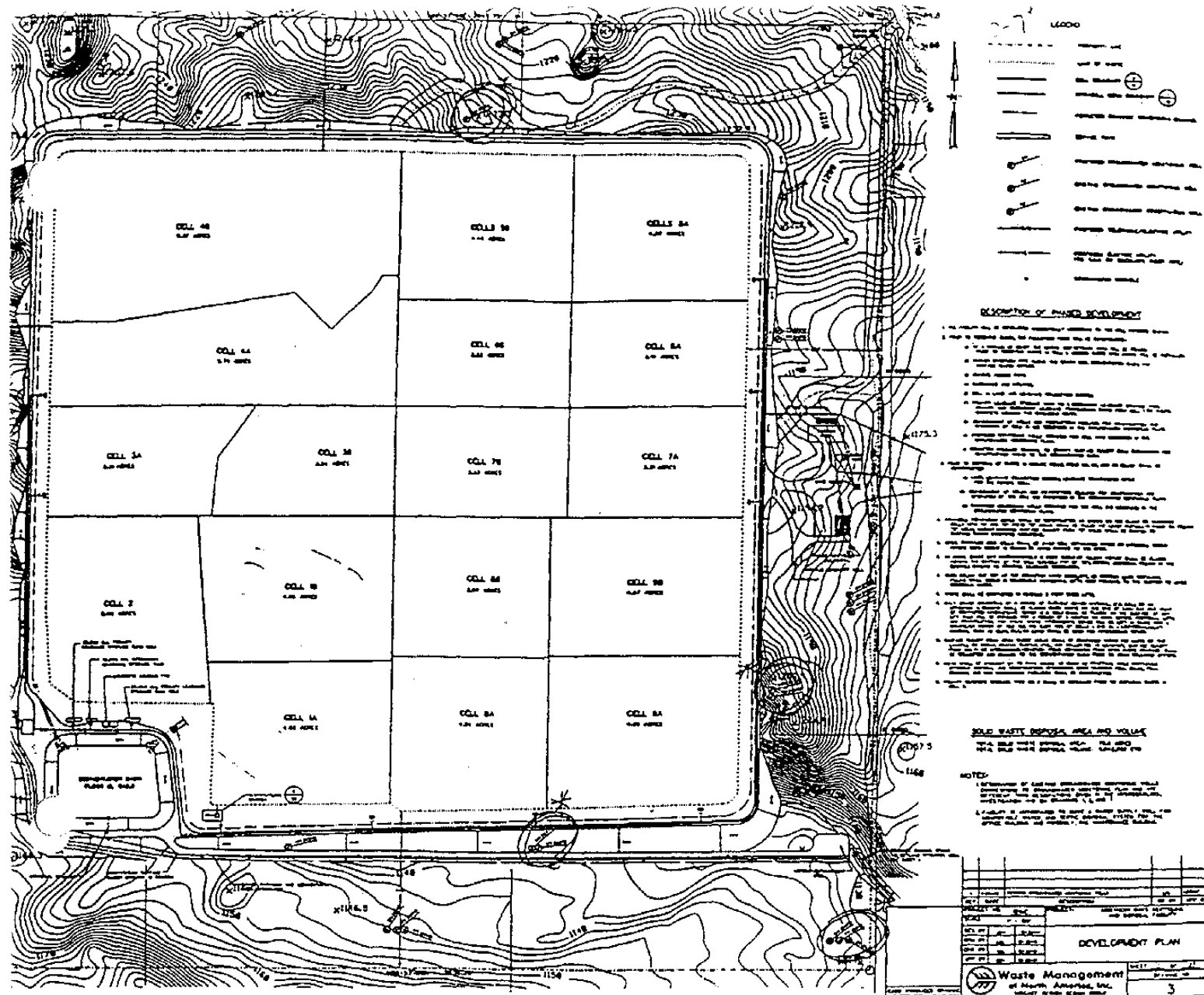


LOCATION MAP

0 5 10 15 20 25

SCALE IN MILES

MICHIGAN



Northern Oaks - Clare County

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

FACILITY DESCRIPTIONS

Facility Type: Type II and Type III Landfills

Facility Name: Westside Recycling and Disposal Facility

County: St. Joseph Location: Town: 6S Range: 2W Section(s): 26

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

If facility is an incinerator or a transfer station, list the final disposal site and location for incinerator ash or transfer station wastes: N/A

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

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

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

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

Non-hazardous, non-liquid industrial wastes. Such as contaminated soils, foundry sands, asbestos, ash.

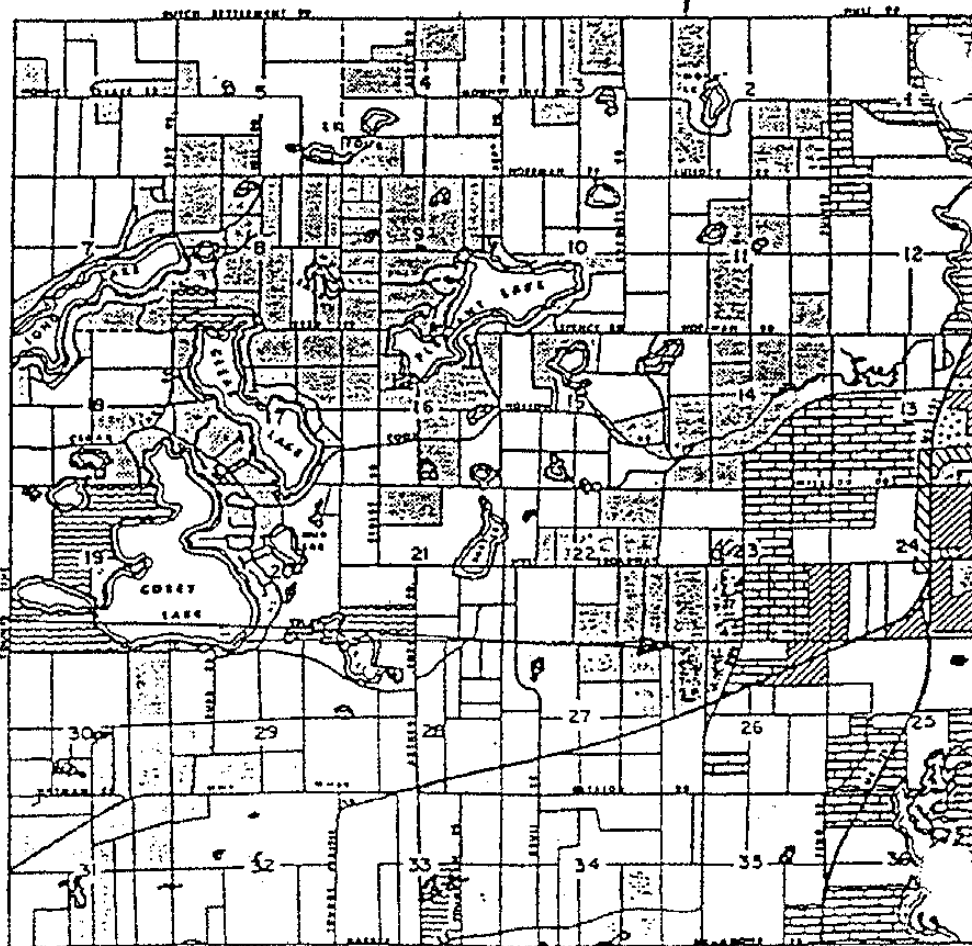
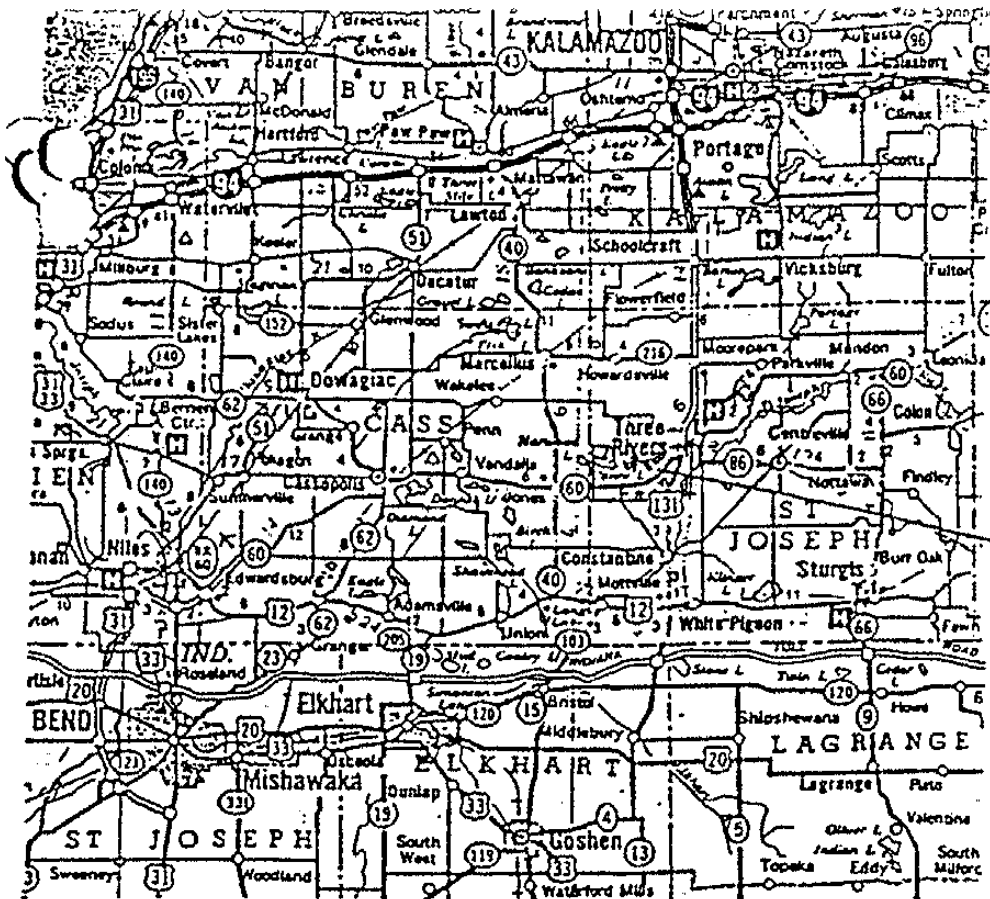
Site Size:

Total area of facility property:	640 acres
Total area sited for use:	490 acres
Total area permitted:	85 acres
Operating:	51 acres
Not excavated:	34 acres

Current capacity:	6,430,000 tons or yds ³ /Year (*)
Estimated lifetime:	12 years
Estimated days open per year:	300+ days
Estimated yearly disposal volume:	1,200,000 yds ³

(if applicable)

Annual energy production:	
Landfill gas recovery projects:	2 megawatts
Waste-to-energy incinerators:	N/A megawatts



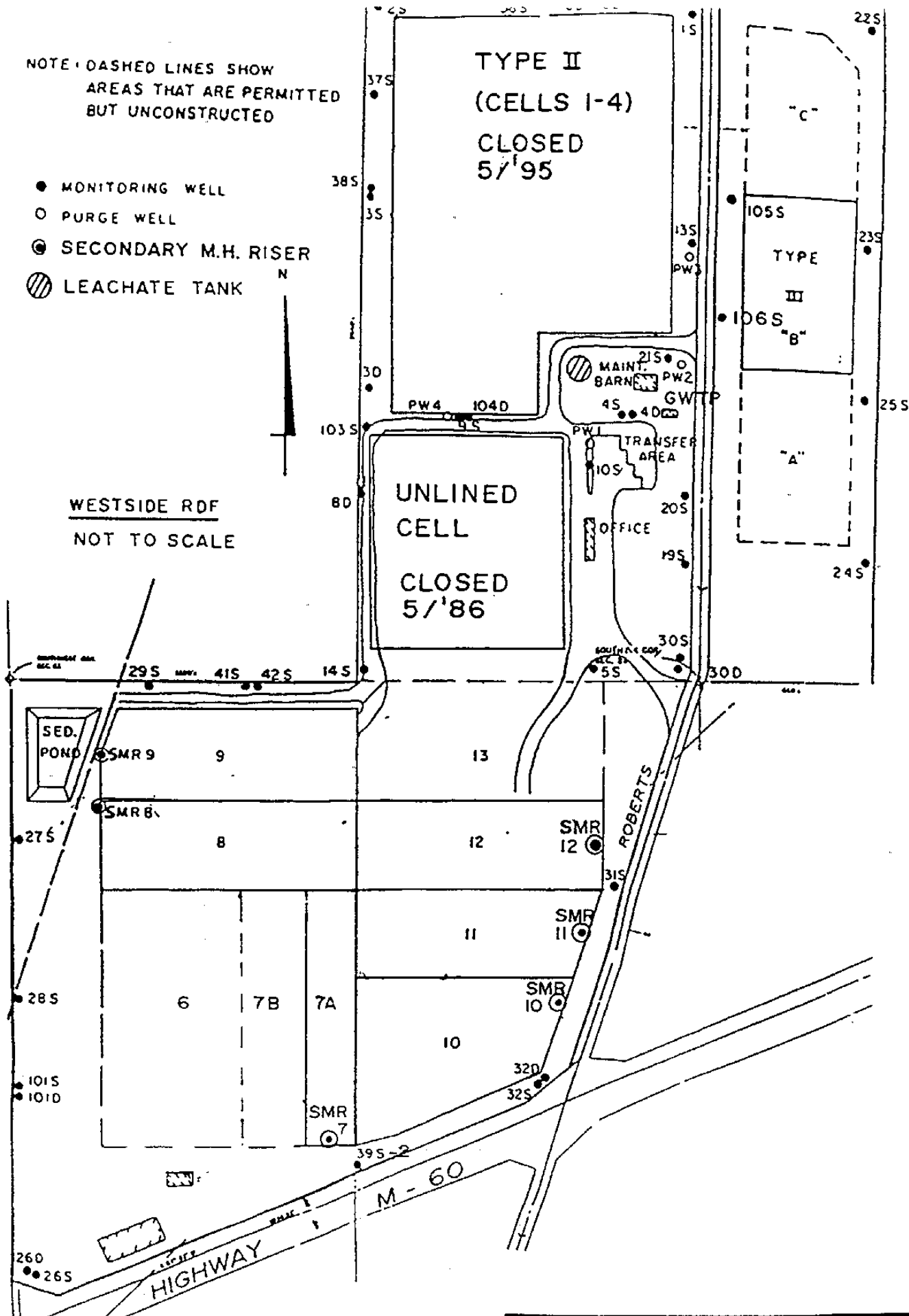
WESTSIDE
LANDFILL

NOTE: DASHED LINES SHOW
AREAS THAT ARE PERMITTED
BUT UNCONSTRUCTED

- MONITORING WELL
- PURGE WELL
- ⊙ SECONDARY M.H. RISER
- ⊘ LEACHATE TANK

N

WESTSIDE RDF
NOT TO SCALE



WESTSIDE RDF

Westside - St. Joseph County

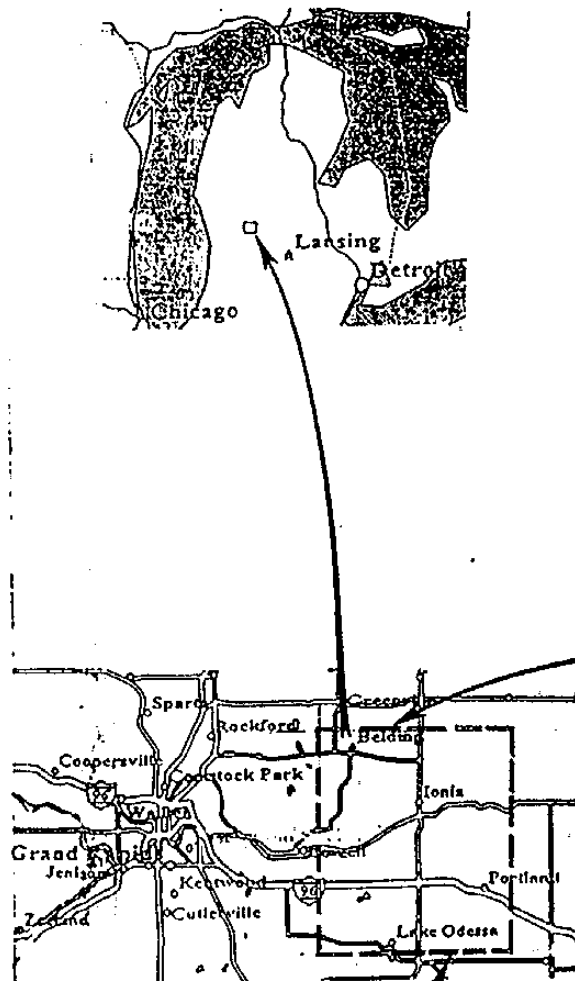
St. Joseph
Kalamazoo
Calhoun
Van Buren
Cass
Branch
Berrien
Allegan
Barry
Hillsdale
Eaton
Ingham
Clinton
Ionia
Kent
Ottawa

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

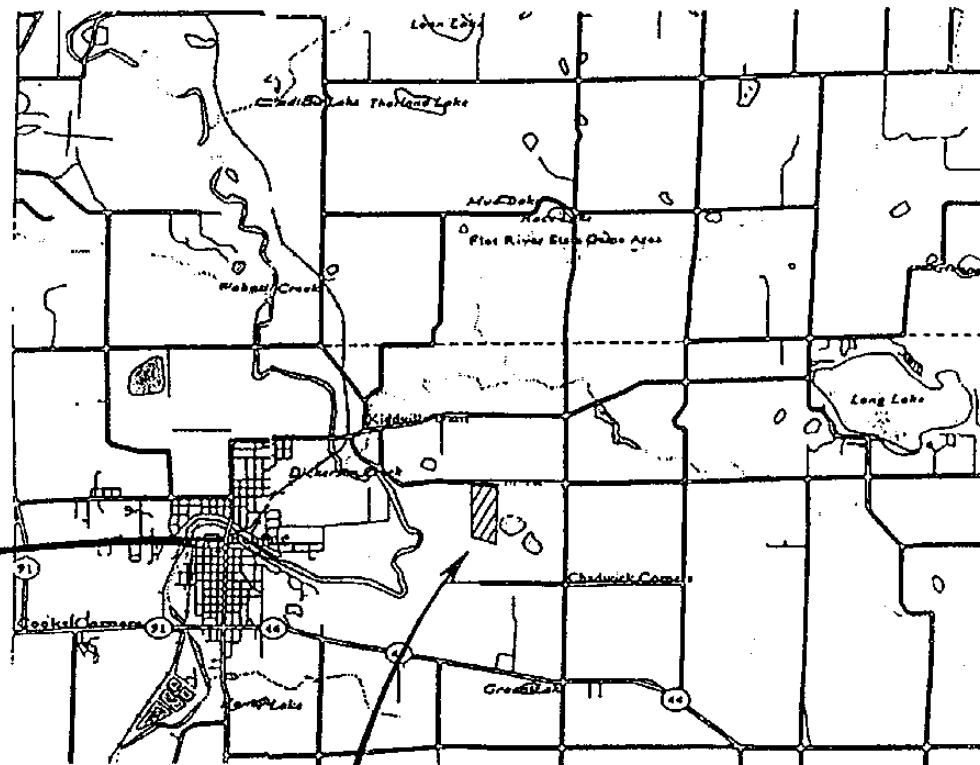
ATTACHMENTS

Maps

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



Ionia County



Pitsch Sanitary Landfill

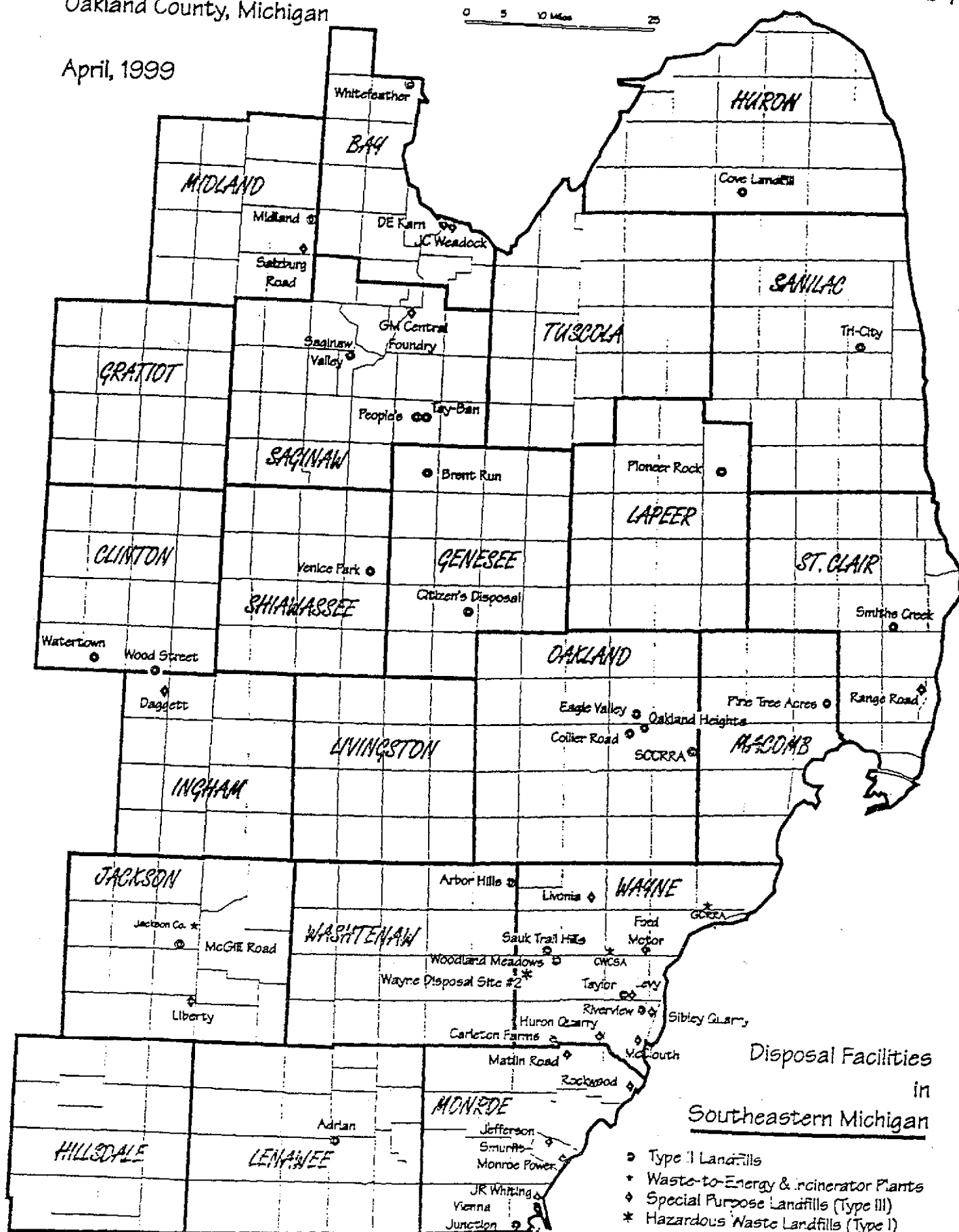
Figure 1

Regional Location Map
Pitsch Sanitary Landfill
Kiddville Road
Ionia County
Bellevue, Michigan
Aqua-Tech Consultants, Inc.
1314 Scribner NW
Grand Rapids, MI 49504

Solid Waste Database
Oakland County, Michigan

RECEIVED SEP 27 1999

April, 1999

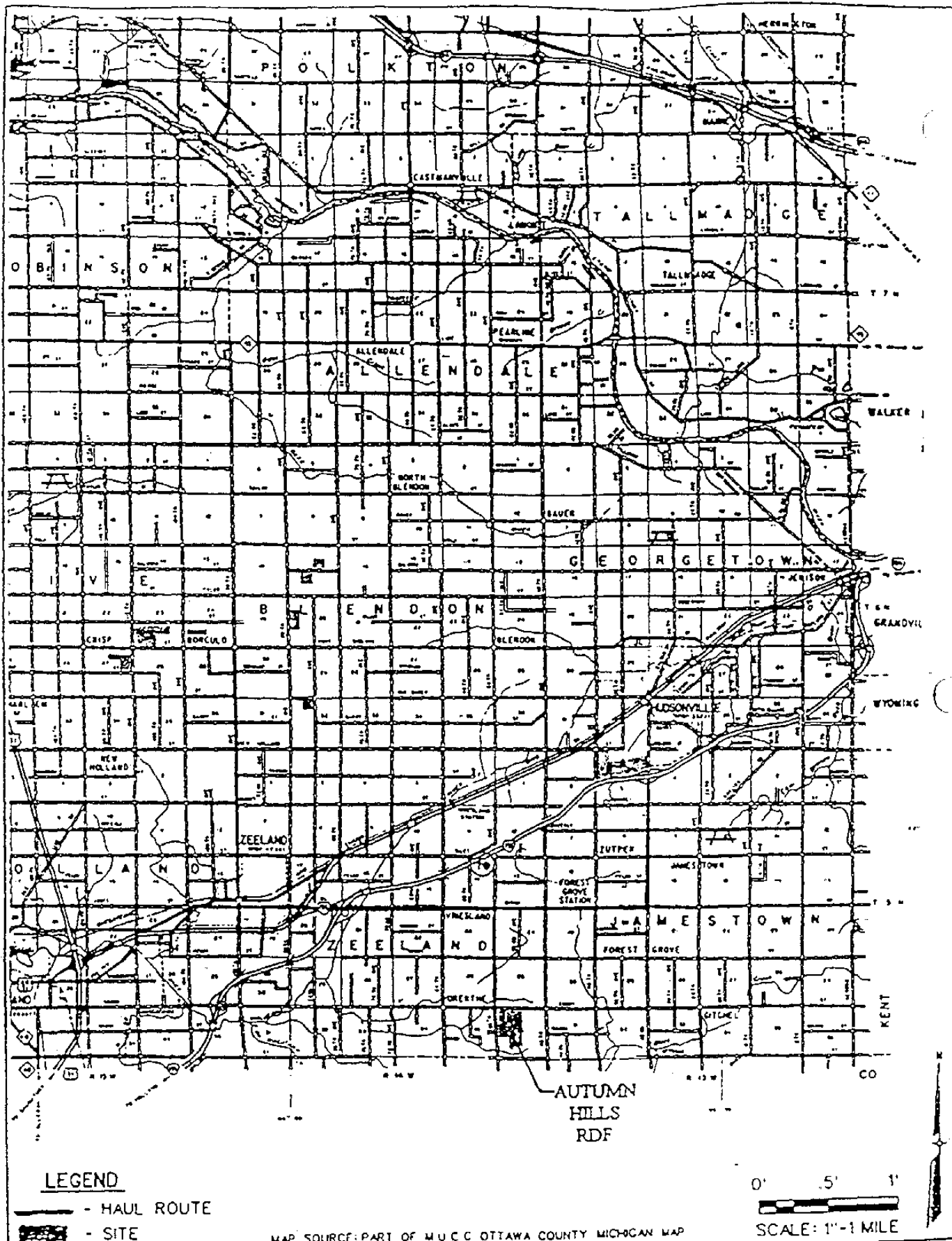


Disposal Facilities
in
Southeastern Michigan

- Type I Landfills
- * Waste-to-Energy & Incinerator Plants
- ♦ Special Purpose Landfills (Type III)
- * Hazardous Waste Landfills (Type I)

RJS, PE

April 26, 1999



RUST ENVIRONMENT & INFRASTRUCTURE

PROJECT: AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY

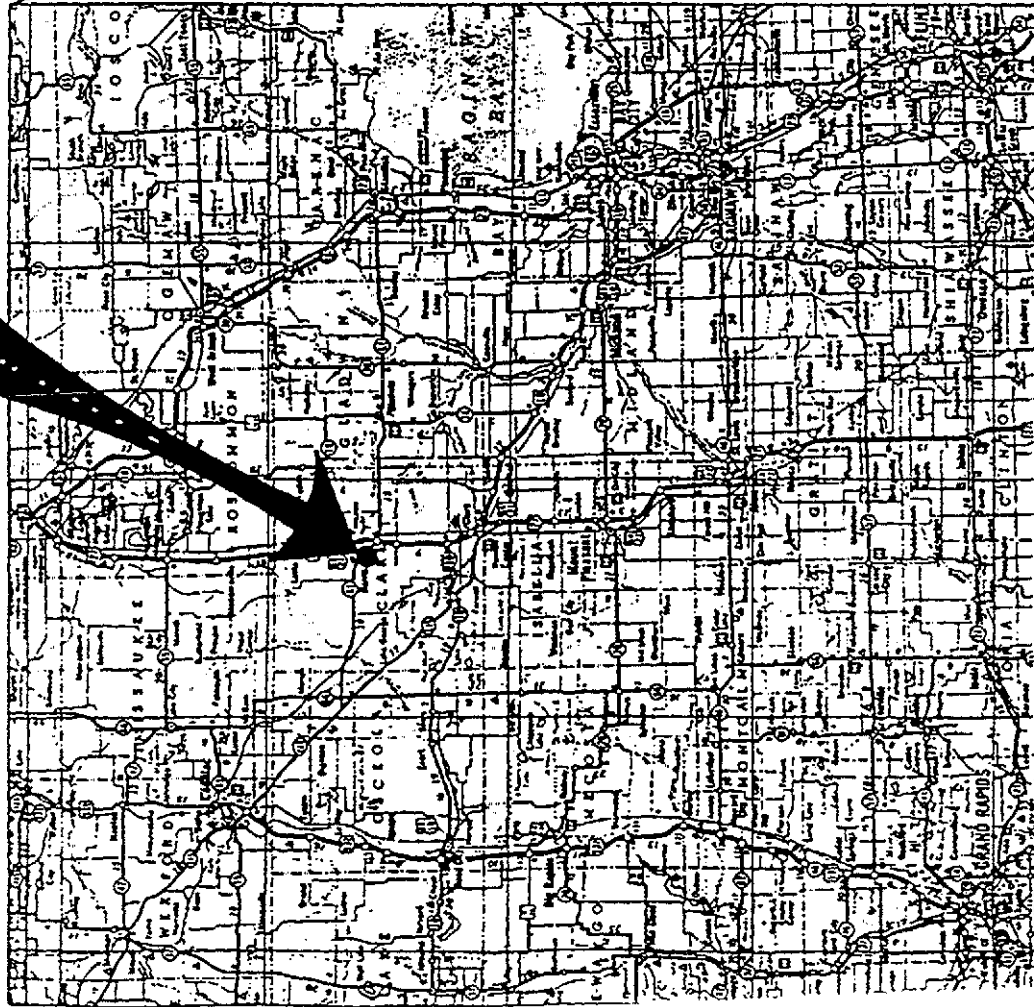
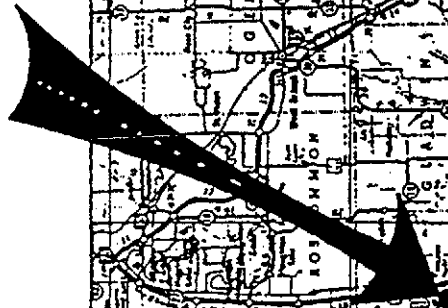
PROJECT NO: 74525 100

FIGURE 2 - 1

ENVIRONMENTAL ASSESSMENT REPORT
PERMIT MODIFICATIONS

SITE LOCATION MAP

SITE LOCATION



LOCATION MAP

0 5 10 15 20 25

SCALE IN MILES

MICHIGAN

ATTACHMENTS

Inter-County Agreements

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

ALLEGAN COUNTY HEALTH DEPARTMENT

2233 - 33rd St., Allegan, MI. 49010

Office Administration
(616) 673-5411
Personal Health Services
673-5413

Resource Recovery
673-5411
Environmental Health
673-5415



██████████
Medical Director

Karl Zimmerman
Administrative Health Officer

June 2, 1998

RECEIVED JJA - 3 1998

Donald Lehman
Ionia County Resource Recovery Project
100 Liberty St.
Ionia, MI 48846


Dear Mr. Lehman,

I have examined the figures contained in the Landfill Receipt Reports and attempted to calculate Allegan's landfill capacity needs for the next 10 year planning period. Based on current disposal patterns, I would expect Ionia County to continue as an importer of Allegan's waste, providing your county plan endorses the practice. While our plan will authorize export (of up to 100% of total waste) to any county which approves such import in its plan, we are also including specific volume projections to indicate that our capacity requirements are covered. The projections for Ionia County are presented as a range, to reflect potentially wide fluctuations due to changes in waste flow. The tons per day totals are based on 365 days per year, and the 5th and 10th year benchmarks were set according to MDEQ's suggestions that our planning period begin in January 1999. I have not attempted to differentiate between municipal solid waste and special waste, so totals reflect both categories. Also, the range is not based on our total waste generation rate but on our projected discard rate, which increases only slightly with population growth due to modest expansions in county diversion efforts.

	<u>1997 current</u>	<u>2003 (5 years)</u>	<u>2008 (10 years)</u>
Allegan Co. Generation	252 TPD 91,980TPY	279 TPD 101,835 TPY	303 TPD 110,595 TPY
Allegan Co. Discards	181 TPD 66,065 TPY	190 TPD 69,350 TPY	193 TPD 70,445 TPY
Exports to Ionia Co.	2-10 TPD 730-3,650 TPY	10-15 TPD 3,650-5,475 TPY	15-20 TPD 5,475 - 7,300 TPY

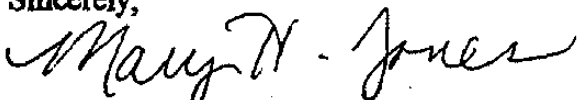
As you know, state law stipulates that any county without ten years of guaranteed disposal capacity must complete an annual review and certification for the state. We would like to be able to demonstrate sufficient capacity to avoid this process, and your county's willingness to include our long term capacity needs in its solid waste plan would help us accomplish that.

Therefore, I am requesting that Ionia County consider accepting 5-10 TPD of Allegan County waste for the present, and 15-20 TPD in 10 years.

Since the planning process requires confirmation of available capacity from landfill owners/operators, could you provide me with the name and address of the appropriate contact for the Pitsch Sanitary Landfill?

If you have any questions about this request or the waste volumes listed, please don't hesitate to call.

Sincerely,

A handwritten signature in cursive script that reads "Mary H. Jones".

Mary H. Jones
Solid Waste/Recycling Coordinator

MHI/bjw

**BARRY
COUNTY
COURTHOUSE**
220 W. STATE STREET
HASTINGS, MICHIGAN 49058



May 22, 1998

Don Lehman
Ionia County Solid Waste Coordinator
100 Main St
Ionia, Mi. 48846


Dear Mr. Lehman,

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

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

If there is any further information you may need or if you would like to discuss this matter further, please do not hesitate to contact me at (616) 945-9516.

Sincerely,


V. Harry Adronie, Ph D
Chairman

cc: Ms Mary Claire Cusack



BRANCH COUNTY COURTHOUSE

RECEIVED SEP 23 1998

31 DIVISION STREET • COLDWATER • MICHIGAN • 49036
TELEPHONE (517) 279-4301

FAX (517) 278-4130

September 23, 1998

Ionian County Resource Recovery Project
Mr. Donald Lehman
100 Library St.
Ionia, MI 48846

Re: Import/Export Agreement for Solid Waste Management

Dear Mr. Lehman:

On August 25, 1998, we sent a letter to your offices requesting that your county include Branch County as an approved county in its 1998 Solid Waste Management Plan update.

Your reply is very important to us. Please contact Ken Strong at (517) 279-4310 at your earliest convenience to indicate your County's willingness to proceed as requested, or if a written agreement will be required. We appreciate your prompt response in this regard.

Yours very truly,

BRANCH COUNTY COURTHOUSE

A handwritten signature in cursive script, appearing to read "Charlene Durr".

Board of Commissioners

cc: Ken Strong, Branch County Drain Commissioner
Jeff Eves, American Hydrogeology Corporation

RECEIVED MAY 27 1999



COUNTY OF BERRIEN

DEPARTMENT OF PLANNING & PUBLIC WORKS

Planning Commission • Board of Public Works • GIS/Land Description

Resource Recovery • County Transit • Harbor Authority

Berrien County Administration Center – 701 Main Street – St. Joseph, MI 49085-1392
Telephone: 616/983-7111, Ext. 8617 – Fax: 616/982-8611 – jgruchot@berriencounty.org

TO: Designated Planning Agency Representatives for Solid Waste Management Plan

DATE: May 25, 1999

SUBJ: Solid Waste Management Plan Update - Import / Export Authorizations

The current update to the Berrien County Solid Waste Management Plan will recognize its fellow member counties of the Southwest Michigan Solid Waste Consortium (Allegan, Calhoun, Cass, Kalamazoo, St. Joseph and Van Buren), plus Branch County, for import and export authorization of solid waste during the planning period. This action retains the waste shed designated in the previous Plan Update. Authorization is subject to the conditions outlined below.

Import Authorization

Up to 100% of the solid waste stream generated by the above counties is authorized for disposal in any licensed solid waste disposal facility located in Berrien County, provided that the exporting counties explicitly authorize such export in their Solid Waste Management Plan, in accordance with Part 115, 1994 PA 451, as amended.

Export Authorization

Berrien County will authorize the export of up to 100% of the Berrien County solid waste stream to any of the counties listed above whose Solid Waste Management Plan explicitly authorizes the acceptance of Berrien County's solid waste, in accordance with Part 115, 1994 PA 451, as amended.

If you have any questions on this or related matters, please contact me at your convenience.

Sincerely,

John Gruchot

Resource Recovery Coordinator
Berrien County

cc: Berrien County Solid Waste Planning Committee



Mr. Donald Lehman
Ionia County Resource Recovery
100 Liberty Street
Ionia, MI 48846

RECEIVED JUN 12 1998

May 18, 1998

Dear Don,

In preparing the Solid Waste Management Plan Update, Calhoun County has recognized 17 counties within its primary disposal region for import and export authorization. Your county has been recognized for the transfer of solid waste within this primary disposal region. In trying to keep within a balanced approach to authorizing waste flows, we are requesting that your SWMP Update recognize Calhoun County for solid waste import and export.

Historically, waste flows between your county and Calhoun County may or may not have taken place. In attempting to keep our plans consistent, we are requesting that you provide documentation for the way your county will choose to authorize import and export, including any individual county volume limitations and restrictions on the types of solid waste.

Calhoun County has recognized that natural market changes do take place among the solid waste industry. Therefore, Calhoun County is considering allowing 100% import and export between these 17 counties to avoid any future Plan import and export volume violations. Allowing this free flow within the primary disposal region also will allow the waste industry people to more effectively, economically, and environmentally serve counties and their people.

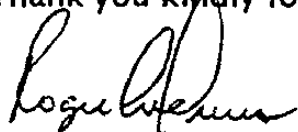
Because your county has been recognized for the transfer of solid waste within this primary disposal region, we would like to compile a complete inventory of all disposal facilities. We are requesting that you provide a "facility description" for each Type II and Type III landfill, Type A and Type B transfer station, incinerator, waste-to-energy, and waste pile facility operating within your county. For each facility, please indicate the counties in which the facility presently services and whether restrictions will limit the use of the facility.

In collecting information for a complete inventory of all solid waste disposal facilities within this primary disposal region, it will allow Calhoun County to analyze the existing capacity and available capacity. In order to determine what these capacities will be and to assess the volumes of

future imports, we are requesting that you provide information about your county's projected waste generation volumes, present and projected population densities, and structure of economic base.

Although we are requesting much information from you and your county, we would appreciate your cooperation to get this information to us in a timely manner. If you anticipate any delays in obtaining this information, please notify Victoria Shelby at (616) 781-0973.

Thank you kindly for your cooperation.

A handwritten signature in cursive script, appearing to read "Roger Andrews".

Roger Andrews
Calhoun County Bldg.
315 West Green Street
Marshall, MI 49068

RECEIVED AUG 03 1998



Cass County Board of Commissioners

To: Designated Solid Waste Planning Agency Representatives for:
*Berrien, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Wayne,
Washtenaw, Jackson, Calhoun, Kalamazoo, Van Buren, Allegan,
Barry, Eaton, Ingham, Livingston, Oakland, Shiawassee, Clinton, ~~Washtenaw~~ Kent,
Ottawa, Gratiot, Montcalm, Muskegon, Oceana, Newaygo, Mecosta, Isabella*

Date: July 29, 1998

Re: Solid Waste Management Plan Update Import/Export Arrangements

Courthouse
Cassopolis, Michigan 49031
Phone (616) 445-4420
Fax (616) 445-8978
Tax I.D. 38-6004839

The Cass County Solid Waste Planning Committee has identified 30 counties in Michigan as possible candidates for import/export authorization of solid waste. Cass County would like to list your county in our plan as an importer and exporter of solid waste. Cass County is requesting that your county plan update authorizes Cass County for 100 percent solid waste import and export.

Exportation of Cass County Solid Waste

Cass County will authorize the exportation of up to 100 percent of the Cass County solid waste stream to any of the counties listed above whose Solid Waste Management Plan specifically authorizes the acceptance of Cass County's solid waste.

Importation of Out-of-County Solid Waste

Currently, Cass County does not have any disposal areas within its borders. However, Cass County will list your county as a possible future importer of solid waste if a facility is ever sited within the County.

The Michigan Department of Environmental Quality requires that a letter of authorization for import and export of solid waste is included in the Plan Update. If your county decides to include Cass County as an importer and exporter of solid waste, please send a letter stating the authorization and any stipulations or conditions that may apply. Cass County would also like facility descriptions for each Type II and Type III landfill, Type A and Type B transfer station, incinerator, and waste-to-energy facility operating within your county.

To be able to complete the draft plan update, a prompt response letter would be greatly appreciated. Please direct all correspondence to the address below. If you have any questions or would like to discuss this matter in more detail, please call me at (616)925-1137 or e-mail swmicomm@cpuinc.net.

Sincerely,

Marcy Hamilton

Marcy Hamilton

Southwestern Michigan Commission

185 E. Main Street, Suite 701

Benton Harbor, MI 49022 fax (616) 925-0288

C:\MYDOCS\CASS\SWMP\IMPORT.WPD

Clinton County
Department of Waste Management
Designated Implementation Agency



RECEIVED APR 27 1998

April 24, 1998

Mr. Donald Lehman
Ionia County Resource Recovery
100 Library Street
Ionia, MI 48846

Dear Mr. Lehman:

Clinton County has commenced its Solid Waste Plan Update Process. The process requires that the County provide assurance of sufficient disposal capacity to meet the needs of Clinton County residents and businesses for a period of ten years. As you are aware, we have two landfills located within our County boundaries. They both have quite a bit of capacity remaining and we anticipate a commitment from Granger that they will agree to be our primary disposal site.

However, we know it is prudent to establish redundancy in siting capacity as unforeseen circumstances in the future can result in the shut down of a facility and unanticipated loss of disposal capacity.

Therefore, in our Plan Update, we would like to include affirmation from Ionia County and Pitch Landfill that you would be able and willing to commit capacity to Clinton County. We would, of course, be willing to reciprocate such assurance.

Needs: In total, Clinton County requires disposal capacity to accommodate 95,000+ cubic yards of waste each year. We have experienced approximately a 9% increase in population over this past ten years and would expect to see that trend continue. Therefore, our estimations are that accommodation of 1,500,000 cubic gate yards of trash over a ten year period would provide adequate capacity.

Please review this with Pitch Landfill personnel. I know that small amounts of waste have been sent to Pitch, in the past. If you find that our request is reasonable, please respond back in writing. We will want to include such verification in our Capacity Assurance section of the Update.

We appreciate your consideration, and look forward to hearing from you. Please phone with any questions.

Very Truly Yours,

A handwritten signature in cursive script, appearing to read "Ann Mason".
Ann Mason

cc: Dan Debar - Pitch Landfill



MEMORANDUM

DATE:

TO

5/5/99
Ann Mason, DPA Contact
Clinton County, Michigan

FROM:

Michelle A. Spender, DPA Contact for Ionia
616/527-5357 County
Phone

RE:

Plan Import/Export Authorization Documentation

Ionia County ☒ has has not included Clinton County in its updated Solid Waste Management Plan as a County to which waste generated from within Ionia County may be exported for disposal.

Waste generated from within Clinton County ✓ is is not authorized in Ionia
County's Plan for disposal in Ionia County.

Limitations: Import to Ionia - 84 TPD, 30,623 TPY

Tonia County has read Clinton County's import/export conditions and understands their limitations.

Fill in only if you do not presently have a facility:

County agrees that if it should construct a disposal facility during this Plan period, it will accept Clinton County waste for disposal.

Foreseen Limitations

Michael A. Stemler
DPA Contact

5/5/99
Date

Please mail or fax to: Clinton County Department of Waste Management
100 Cass St.
St. Johns, MI 48879
517/224-5102
Attn: Ann Mason

EXPORT AUTHORIZATION

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

Table 2-A

CURRENT EXPORT VOLUME AUTHORIZATION OF SOLID WASTE

EXPORTING COUNTY	IMPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Ionia</u>	<u>Barry</u>	—	—	—	P
<u>Ionia</u>	<u>Clinton</u>	—	—	—	P
<u>Ionia</u>	<u>Kent</u>	—	—	—	P
<u>Ionia</u>	<u>Montcalm</u>	—	—	—	P
<u>Ionia</u>	<u>Calhoun</u>	—	—	—	*
<u>Ionia</u>	<u>Ottawa</u>	—	—	—	*
<u>Ionia</u>	<u>Shiawassee</u>	—	—	—	*

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

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

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

IMPORT AUTHORIZATION

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

Table 1-A

CURRENT IMPORT VOLUME AUTHORIZATION OF SOLID WASTE

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ TPD	AUTHORIZED QUANTITY/ TPY	AUTHORIZED CONDITIONS ²
<u>Ionia</u>	<u>Barry</u>	-	<u>108</u>	<u>38,880</u>	<u>*</u>
<u>Ionia</u>	<u>Clinton</u>		<u>84</u>	<u>30,623**</u>	<u>P</u>
<u>Ionia</u>	<u>Kent</u>		<u>100</u>	<u>36,000</u>	<u>P</u>
<u>Ionia</u>	<u>Montcalm</u>		<u>50</u>	<u>18,000</u>	<u>P</u>
<u>Ionia</u>	<u>Allegan</u>		<u>267</u>		<u>*</u>
<u>Ionia</u>	<u>Eaton</u>		<u>162</u>	<u>58,947</u>	<u>*</u>
<u>Ionia</u>	<u>Gratiot</u>		<u>48</u>		<u>*</u>

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

² Authorization indicated by P = Primary Disposal; C = Contingency Disposal; * = Other conditions exist and detailed explanation is included in the Attachment Section, Special Conditions for Import/Export.

**The current limit on waste from Clinton County, per the December 1991 Clinton-Ionia agreement is 72,000 cubic yards per year (approximately 50 tons/day).

Clinton County
Department of Waste Management
Designated Implementation Agency

MEMORANDUM

DATE: April 30, 1999
TO: DPA's of the following Counties:

Ingham	Allegan*	Jackson	Oakland
Eaton*	Barry	Kalamazoo	Ottawa*
Shiawassee	Calhoun	Kent	Saginaw
Ionia*	Genesee	Livingston	Washtenaw*
Gratiot	Isabella	Montcalm	Wayne

FROM: Ann Mason, Director; Clinton County Department of Waste Management
Clinton County Designated Planning Agency
RE: Authorization for Waste Export

Upon legal adoption and MDEQ approval of the Clinton County Solid Waste Management Plan, waste generated from within Clinton County is authorized for export to any of the above named Counties provided the sum of all conditions named below are met.

Importation Conditions:

Each county must name Clinton County in their Plan as a county to which they will export waste. Each County which has a disposal facility must also name Clinton County in their Plan as a county from whom they will accept waste for disposal. Those counties presently without disposal facilities must warrant that if they should construct a facility during this Plan period, they will agree to accept Clinton County waste for import. These warranties may be secured through a letter submitted to the Clinton County DPA which is signed by the DPA of the Exporting County. Solid Waste Incinerator Ash is not accepted for disposal in Clinton County.

*At the time of this Plan's development, Wayne County required that each municipality and the county agree to abide by waste reduction and recycling goals and objectives contained in Wayne County's Plan. Further, Wayne County requires that each municipality pass and submit a resolution stating such and specifying the quantity of waste to be exported to Wayne County. Until such time as a written letter authorizing reciprocity without the imposition of these requirements is received by the Clinton County DPA and placed on file, solid waste generated from within Wayne County may not be disposed of in Clinton County.

Exportation Conditions

Each County must name Clinton County in their Plan as a County to which they will export waste. Each County which has a disposal facility must name Clinton County in their Plan as a county from whom they will accept waste for disposal. Those Counties presently without disposal facilities must warrant that if they should construct a facility during this Plan period, they will agree to accept Clinton County generated waste for import. These warranties may be secured through a letter submitted to the Clinton County DPA which is signed by the DPA of the Exporting County. Solid Waste Incinerator Ash is not accepted for disposal in Clinton County.

*At the time of this Plan's development, Wayne County required that each municipality and the county agree to abide by waste reduction and recycling goals and objectives contained in Wayne County's Plan. Further, Wayne County requires that each municipality pass and submit a resolution stating such and specifying the quantity of waste to be exported to Wayne County. Until such time as a written letter authorizing reciprocity without the imposition of these requirements is received by the Clinton County DPA and placed on file, solid waste generated from within Clinton County may not be disposed of in Wayne County.

Clinton County
Department of Waste Management
Designated Implementation Agency



RECEIVED 7 3 1999

MEMORANDUM

DATE: April 30, 1999

TO: County DPA's

Ingham	Allegan	Jackson	Oakland
Eaton	Barry	Kalamazoo	Ottawa*
Shiawassee	Calhoun	Kent	Saginaw
Ionia	Genesee	Livingston	Washtenaw
Gratiot	Isabella	Montcalm	Wayne

FROM: Ann Mason

RE: Solid Waste Management Plan Service Territory
Authorization Letter

Please be advised that at its regularly scheduled meeting April 28, 1999, the Clinton County Solid Waste Planning Committee (SWPC) revised its import/export authorizations to include all of the above named counties. Conditions of authorization follow. We hope you will include, or have included Clinton County in your Plan import/export designations. To expedite documentation for Plans, your files, and simplify response processes back to our county, two attached letters provide a) authorization from us for Clinton County waste to flow to your County under conditions contained in the Plan; and b) verification that you have (or have not) included Clinton County in your Plan and will both accept waste from Clinton County and permit (or not permit) waste to flow out of your County to Clinton County for disposal.

IMPORTANT: Counties with "*" do NOT have to send an attached letter back to Clinton County as we already have a letter from your county on file.

Conditions for import/export of solid waste to Clinton County for disposal and from Clinton County for disposal in your county are contained in the following memo. Please read them carefully and phone with questions. (517/224-5188). While they are not excessive, Counties must meet all conditions.

EATON COUNTY DEPARTMENT OF RESOURCE RECOVERY
1045 INDEPENDENCE BLVD
CHARLOTTE, MI 48813

RECEIVED AUG 27 1998



August 27, 1998

IONIA CO SOLID WASTE PLANNING
100 LIBRARY ST
IONIA, MI 48846

Dear Sir or Madam:

As an update to the letter dated May 27, 1998, the Eaton County Solid Waste Management Planning Committee has decided to list all counties in the attached table as candidates for import/export in the Solid Waste Management Plan. It was further decided to include language that states import/export authorizations are contingent upon any restrictions being met, and *if and only if* each county listed has Eaton County specified as both a future importer (Eaton County has no active disposal facility within its borders at this time) and current exporter of solid waste (reciprocity). Although no formal agreement is required, these criteria must be met for waste to flow freely between Eaton County and those listed in the attached table.

As Eaton County moved forward in the planning process, it became apparent that the above procedure was the best way to identify a large area of free-flow, while at the same time continuing with the Plan Update. The draft Eaton County Solid Waste Management Plan is tentatively scheduled to be placed out for public review in mid-September. Therefore, it is important that any restrictions your county wishes to place on import/export be identified for inclusion in the Eaton County Plan. You should also note that each county on the table is authorized as a Primary Disposal site. This relates to the incorporation of free-flow in the Eaton County Plan.

As a side note, this office has received responses from many counties already establishing their participation (or non-participation) in this system. I apologize for any redundancy or extra work this new approach may cause. However, by direction of the SWMPC, all counties identified are to be included in the Eaton County Plan, and therefore are to be notified.

If you have any questions or would like additional information, please do not hesitate to contact me at (517) 543-7500 x627 or via E-mail at mhill@co.eaton.mi.us. Thank you for time.

Sincerely,

A handwritten signature in dark ink, appearing to read "Marc A. Hill", is written over the typed name.

Marc A. Hill
Resource Recovery Coordinator
(County Designated Planning Agency)

Enclosure

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

Table 1-B

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

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME ¹	AUTHORIZED QUANTITY/ DAILY	AUTHORIZED QUANTITY/ ANNUAL	AUTHORIZED CONDITIONS ²
<u>Eaton</u>	<u>Allegan</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Barry</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Bay</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Berrien</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Branch</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Calhoun</u>	_____	_____	_____	P
<u>Eaton</u>	<u>Cass</u>	_____	_____	_____	P

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

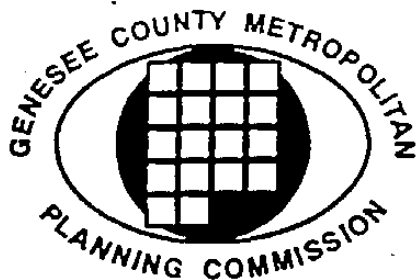
¹ Facilities are only listed if the exporting county is restricted to using specific facilities within the importing county.

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

IMPORTING COUNTY	EXPORTING COUNTY	FACILITY NAME	AUTHORIZED QUANTITY/DAILY	AUTHORIZED QUANTITY/ANNUAL	AUTHORIZED CONDITIONS
Eaton	Clare				P
Eaton	Clinton				P
Eaton	Genesee				P
Eaton	Gratiot				P
Eaton	Hillsdale				P
Eaton	Ingham				P
Eaton	Ionia				P
Eaton	Isabella				P
Eaton	Jackson				P
Eaton	Kalamazoo				P
Eaton	Kent				P
Eaton	Lake				P
Eaton	Lapeer				P
Eaton	Lenawee				P
Eaton	Livingston				P
Eaton	Macomb				P
Eaton	Mecosta				P
Eaton	Midland				P
Eaton	Monroe				P
Eaton	Montcalm				P
Eaton	Muskegon				P
Eaton	Newaygo				P
Eaton	Oceana				P
Eaton	Osceola				P
Eaton	Ottawa				P
Eaton	Oakland				P
Eaton	Saginaw				P
Eaton	Sanilac				P
Eaton	Shiawassee				P

Eaton	St. Clair		P
Eaton	St. Joseph		P
Eaton	Tuscola		P
Eaton	Van Buren		P
Eaton	Washtenaw	500,000 CY	P
Eaton	Wayne		P

These import authorizations are contingent upon a facility being sited in Eaton County, any restrictions listed here or in the reciprocal counties plan being met, and if and only if the each county above has Eaton County specified as both an importer and exporter (reciprocity) of solid waste in their Solid Waste Mangagement Plan. Although no formal agreement is requiried, these criteria must be met for waste to flow between Eaton County and those counties listed in this Plan.



ROOM 223 - 1101 BEACH STREET FLINT, MICHIGAN 48502-1470

TELEPHONE (810) 257-3010 FAX (810) 257-3185

CHAPIN W. COOK, AICP
DIRECTOR-COORDINATOR
THOMAS G. GOERGEN
ASSISTANT DIRECTOR

RECEIVED SEP 23 1998

September 21, 1998

Mr. Donald Lehman
Ionia County
Ionia County Resource Recovery Project
100 Library St.
Ionia, MI 48846

Subject: Genesee County Solid Waste Management Plan Update

Dear Mr. Lehman:

The Genesee County Solid Waste Management Committee has just initiated the Update to the County's Solid Waste Management Plan. The Committee has not addressed the import/export authorization of solid waste nor determined if reciprocal agreements will be approved. As we proceed with the update of the Plan, these issues will be resolved and communicated to you.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Thomas Goergen
Assistant Director

k:\wastemgt\letters\lmexre.doc



ROOM 223 - 1101 BEACH STREET FLINT, MICHIGAN 48502-1470
TELEPHONE (810) 257-3010 FAX (810) 257-3185

RECEIVED MAY - 7 1999

CHAPIN W. COOK, AICP
DIRECTOR-COORDINATOR
THOMAS G. GOERGEN
ASSISTANT DIRECTOR

May 6, 1999

Ms. Michelle Stremmler
Ionia County
Ionia County Resource Recovery Project
100 Library St.
Ionia, MI 48846

Subject: Genesee County Solid Waste Management Plan Update
Importation and Exportation of Solid Waste

Dear Ms. Stremmler:

The Genesee County Solid Waste Management Committee has developed the following criteria for evaluation of the counties to be included as exporters and importers of solid waste in the our "Update to Genesee County's Solid Waste Management Plan."

In order to be included in our Plan, the following must be met:

- Genesee County must have ample space to accommodate solid waste imported from other counties.
- The exporter's/importer's Goals must be similar to Genesee County's Solid Waste Management Goals.
- There must be no restrictions on the amount of waste received by or exported to another county.
- Genesee County must be named in the importer's/exporter's respective solid waste management plans; and since Genesee County must be in the individual solid waste management plans, we will not sign a reciprocal agreement with any county.

If you wish to be included in Genesee County's plan, please send a letter to me requesting either Importation, exportation or both; a copy of your approved Solid Waste Management goals and objectives; a copy of your approved selected alternative; and proof of the inclusion of Genesee County in your respective plans.

If you have any questions, please don't hesitate to contact me at (810) 257-3010.

Sincerely,

Thomas Goergen
Assistant Director

k:\wastemgt\letters\imexpre.doc



SOLID WASTE PLANNING COMMITTEE
TELEPHONE (517) 875-5207 FAX (517) 875-5262
214 E. CENTER ST., COURTHOUSE
ITHACA, MI 48847
JAMES VANDERBEEK, CHAIRMAN
HOWARD POINDEXTER, VICE CHAIRMAN
HELEN LAURENZ, DESIGNATED PLANNING AGENCY

June 30, 1998

TO: All Lower Peninsula Designated Solid Waste Planning Agency Representatives

FROM: Gratiot County Solid Waste Planning Committee

RE: Solid Waste Management Plan Import/Export Arrangements

The Gratiot County Solid Waste Planning Committee intends on listing all Lower Peninsula Counties as possible candidates for import/export authorization of solid waste. Your county has been identified as one for potential inclusion in the Plan. As part of the import/export authorization conditions, Gratiot County is requiring that reciprocal agreements for the transfer of solid waste be entered into to provide for a freer-flow of waste in Michigan.

At the present time Gratiot County does not have a disposal facility within its borders. However, the County will agree to include all Lower Peninsula Counties in its future import authorization category for disposal if and when a facility is actually sited. Gratiot County is considering the authorization of 100% import/export between these counties to account for market changes within the plan update period.

Gratiot County generates approximately 39,950.33 tons of waste per year and any or all of that could be exported into your county.

If your county hosts one or more disposal facilities, Gratiot County would appreciate receiving a facility description and contact person/phone number for each disposal area in your county. Please include any stipulations or restrictions that will affect import/export at the facility.

Thank you for your attention on this matter. My address, phone number and fax is listed above.

Sincerely,

Helen J. Laurenz
Helen J. Laurenz

reciprocal



Region 2 Planning Commission

Jackson County Tower Building - 16th Floor
120 West Michigan Avenue
Jackson, Michigan 49201

Fax: 517-788-4635

517-788-4426

Email: Region2@dmci.net

November 2, 1998

Mr. Donald Lehman
Ionia Co. Resource Recovery
100 Library St.
Ionia, MI 48846

Dear Mr. Lehman:

The Jackson County Solid Waste Management Planning Committee proposes to continue to recognize Ionia County as a county eligible for import/export authorization. However, as stipulated in the current plan, a formal agreement between the two counties is required before any import/export of municipal solid waste can occur. The Jackson County Solid Waste Management Planning Committee wants to continue with this policy. The Jackson County Solid Waste Plan Update will list all of the counties with which Jackson County may enter into agreements for the import/export of municipal solid waste.

We have received your letter indicating Ionia County's interest in being included in Jackson County's plan. Please consider this to be Jackson County Solid Waste Planning Committee's request to be recognized in the Ionia County Solid Waste Plan Update as eligible for import/export authorization.

If you have any questions or concerns about this matter, please feel free to contact me at (517) 768-6711.

Sincerely,

Deborah L. Kuehn
Principal Planner

FADLK\SOLIDWAS\JACKSON\W2LTR

APPENDIX J

LIST OF COUNTIES WHICH MAY FORM
RECIPROCAL AGREEMENTS WITH JACKSON COUNTY

Allegan

Barry

Berrien

Branch

Calhoun

Cass

Clinton

Eaton

Genessee

Gratiot

Hillsdale

Ingham

Ionia

Kalamazoo

Lapeer

Lenawee

Livingston

Monroe

Montcalm

Muskegon

Newaygo

Oakland

Ottawa

Saginaw

St. Clair

St. Joseph

Sanilac

Shiawassee

Tuscola

VanBuren

Washtenaw

Wayne

SOLID WASTE DIVISION

Waste-to-Energy Facility
District Heating and
Cooling Operations
Landfill Operations
Recycling
Resource Recovery

WATER AND SEWER DIVISION

Financing
Construction
Operation



RECEIVED FEB - 3 1999

Board of Public Works

JERRY O. KOOIMAN
Chairman
ROGER G. LANINGA
Vice Chairman
BEVERLY R. REKENY
Secretary
CHERRY H. JACOBUS
KATHERINE KUHN
PAUL McGUIRE
DAVID H. MORREN
CURT A. KEMPPAINEN
Director

February 8, 1999

Ms. Michele A. Stemler
Ionia County Extension
100 Library Street
Ionia, MI 48846

Re: Solid Waste Plan Amendment

Dear Michele:

Kent County's Solid Waste Management Committee has elected to include 14 counties in their new Plan update. As in the past, Ionia County is one of the 14 counties. Our committee is allowing Ionia County to import up to 100 tons per day of type II solid waste originating in Kent County. Kent County, as stated in the present plan, requires a reciprocal agreement with Ionia County. We request that Kent County be included on the list as a proposed disposal facility in Ionia's updated Plan. Please respond in writing to confirm this agreement. You should have already received Kent County's draft Plan within the last weeks for review.

If you have further questions regarding this matter feel free to call me.

Best regards,

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

Dennis W. Kmiecik

Dennis W. Kmiecik, P.E.
Solid Waste Manager

S:\SWOISWMA\PLANS\IONIACO.WPD



**LAKE COUNTY
CLERK-REGISTER
ADMINISTRATOR
Lucinda K. Dechow**

**Sharyn McGreehan
Chief Deputy
Clerk/Reg./Admin.**

February 10, 1999

Ionia County
641 Solid Waste Planning
100 Main St.
Ionia, MI 48846

Dear Planning Chair;

Lake County has included Ionia County in the Lake County Solid Waste Plan for primary and/or standby backup disposal in solid waste facilities as written.

Enclosed is a Reciprocal agreement between Ionia and Lake County for your signature.

If you have any questions, please contact me at (616)745-2725. Thank you.

Sincerely,

Sharyn McGreehan
Chief Deputy Clerk/Register

Enc.

Administrator
Purchasing
616-745-6231

P.O. Drawer B, Baldwin, Michigan 49304
County Clerk/Register of Deeds/Circuit Court
616-745-4641

Accounting
616-745-2725

SOLID WASTE RECIPROCAL RESOLUTION/AGREEMENT

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

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

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

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

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

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

BE IT FURTHER RESOLVED that each County's solid waste management plan shall authorize the terms of this Resolution/Agreement.

FOR LAKE COUNTY

Charles Young
Chairman, Board of Commissioners

Date: 1/6/1989

FOR IONIA COUNTY

Mary Anne Cusack
Chairman, Board of Commissioners

Date: 5/6/99



Mason County Board of Commissioners

Court House
304 E. Ludington Ave., Ludington, Michigan 49431

RECEIVED

OCT 13 1998

Ionia County Commissioners

Thomas M. Posma
Chairman

October 8, 1998

Ronald E. Sanders
Vice Chairman

Ivan J. Anthony
County Clerk

Mr. Mark Howe
Ionia County Administrator
100 Main Street
Ionia, MI 48846

Fabian L. Knizacky
Administrator

Harold Madden
District 1

Dear Mark:

Michael G. Schneider
District 2

Pursuant to our recent telephone conversation, the Mason County Solid Waste Planning Committee has asked me to contact you to request that Mason County be approved for listing in the Ionia County Solid Waste Plan for Import/Export Authorization. Mason County no longer has a landfill site and would like to list Ionia County as a county that we would export waste to. We would like Ionia County to list Mason County as a county that you would import waste from.

John E. Henderson
District 3

James L. Pinkerton
District 4

Jerome Rybicki
District 5

Thomas M. Posma
District 6

Mr. Douglas A. Carson of Pitsch Sanitary Landfill has indicated that their Belding Facility would like to be listed in Mason County's Solid Waste Plan.

Charles Eberbach
District 7

Ronald E. Sanders
District 8

Please advise me of the steps necessary to accomplish this request for Import/Export Authorization.

Robert A. Genson
District 9

Thank you for your assistance in this matter. Please feel free to contact me if you need any further information.

Sincerely,

Fabian L. Knizacky
Mason County Administrator

SOLID WASTE RECIPROCAL RESOLUTION/AGREEMENT

WHEREAS, Ionia County and Mason County are responsible for the collection and disposal of their own respective solid waste, and both are Michigan counties subject to the regulations and planning requirements of Section II 5 3 9a of Part II 5, Solid Waste Management, of the Natural Resources and Environmental Protection Act 1994 P.A. 451 as amended; and

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

THEREFORE, BE IT RESOLVED, Ionia County will agree to accept solid waste from Mason County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure. It is further agreed that Mason County is authorized to export up to 125,000 yards of waste per year to Ionia County.

BE IT FURTHER RESOLVED, that Mason County will agree to accept solid waste from Ionia County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure. It is further agreed that Ionia County is authorized to export up to 125,000 yards of waste per year to Mason County.

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

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

BE IT FURTHER RESOLVED, that each County's solid waste management plan shall authorize the terms of this Resolution/Agreement.

FOR IONIA COUNTY

Margaret Cusack
Chairman, Board of Commissioners

Date: 5-6-99

FOR MASON COUNTY

Thomas M. Ponder
Chairman, Board of Commissioners

Date: 3-29-99



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY*"Better Service for a Better Environment"*

HOLLISTER BUILDING PO BOX 30473 LANSING MI 48909-7973

INTERNET www.deq.state.mi.us

RUSSELL J. HARDING, Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

AUG 28 1998

August 27, 1998

Mr. Donald Lehman
Ionia County Resource Recovery Project
100 Library Street
Ionia, Michigan 48846

Dear Mr. Lehman:

The Department of Environmental Quality (DEQ) has been charged with preparing the Update to the Mecosta County Solid Waste Management Plan (Plan) as required under Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. As part of the preparation of the Plan Update, the counties to which solid waste from Mecosta County may be exported must be explicitly authorized in the body of the Plan Update. I am writing to inform you of the DEQ's intent to include Ionia County in the Mecosta County Plan Update as authorized to receive solid waste from Mecosta County.

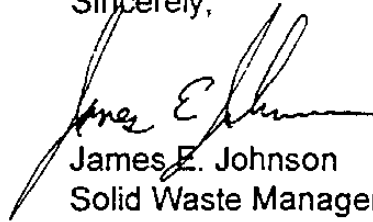
In order for Ionia County to receive solid waste from Mecosta County, Part 115 requires such transfers of solid waste to be authorized in the Plans of both the importing and the exporting counties. I would like to request that Mecosta County be included in the Ionia County Plan Update as a county authorized to export waste to Ionia County for final disposal.

Please provide confirmation that Mecosta County has been, or will be, included in the Ionia County Plan Update as a county authorized to export solid waste to Ionia County. Also, please indicate if the Ionia County Plan requires reciprocal agreements to allow the movement of solid waste between counties or other limitations or special conditions which may be imposed so that arrangements can be made to address these issues.

In addition, I am seeking information on solid waste disposal facilities in Ionia County. I would appreciate it if you would send me a copy of the "Facility Description" page, as it appears in the Ionia County Plan Update, for each disposal facility in Ionia County.

Thank you for your assistance in this matter. If you should have any questions regarding the Mecosta County Plan Update or the information I have requested, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James E. Johnson", is written over the typed name.

James E. Johnson
Solid Waste Management Unit
Solid Waste Program Section
Waste Management Division
517-373-4738

cc: Mecosta County Planning File
Ionia County Planning File



DEPARTMENT OF PLANNING

MIDLAND COUNTY SERVICES BUILDING
220 WEST ELLSWORTH STREET, ROOM 307

PHONE (517) 832-6879
FAX (517) 832-6602

MIDLAND, MICHIGAN 48640-5194



RECEIVED JUN 11 1999

June 9, 1999

Ms. Michele A. Stemler
Ionia County Extension
100 Library Street
Ionia, MI 48846

Re: Ionia County Solid Waste Plan

Ms. Stemler:

The Midland County Planning Commission staff has reviewed your correspondence regarding the Ionia County Solid Waste Plan. Please be aware that Midland County has not completed their Plan so no definitive statements can be made at this time regarding the inclusion of Ionia County in the Midland County Solid Waste Plan.

The City of Midland owns and operates the only landfill in the County and to date has specified that this landfill may only be used for wastes generated in Midland County. As such, all counties who name Midland County as a potential importer or exporter of waste to or from their county should be aware that this transfer of waste would only take place under special conditions negotiated by reciprocal agreement outside of the Plan document as the wording in the Plan is currently.

Thank you for the information about Ionia County. We are forwarding this to the City of Midland, the agency responsible for writing the Plan for Solid Waste in Midland County. Please send all future correspondence regarding solid waste to,

Mr. Noel Bush, Utilities Director
City of Midland
333 West Ellsworth
Midland, MI 48640

Sincerely,

Cynthia E. Winland

Cynthia E. Winland
Planner

Robert R. Eggers

Robert R. Eggers
Planner

cc Bridgette Gransden, Midland County Finance

**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

RECEIVED MAY 29 1998

Date: May 27, 1998

To: Solid Waste Management Planning Committee
Ottawa County
Ionia County
Isabella County
Lake County
Mecosta County
Newaygo County
Gratiot County
Kent County
Muskegon County
Barry County

From: Ed Sell, County Controller 

Subject: Reciprocal Import/Export Agreement

The Montcalm County Solid Waste Management Planning Committee has identified your county as one they would like to enter into a reciprocal agreement with for the import and export of solid waste. Central Sanitary Landfill is located in Pierson on the west end of Montcalm County.

The Montcalm County Solid Waste Management Planning Committee requests that reciprocal agreements, allowing Montcalm County to export solid waste to your county, be included in your county plans for import/export counties. Montcalm County would, in turn, allow your county to export solid waste to our county. Please respond in writing with your willingness to enter into such an agreement.

Please contact me with any question.

**Solid Waste Export/Import Agreement
Between
Montcalm County and Ionia County**

The Montcalm County Board of Commissioners ("Montcalm"), and the Ionia County Board of Commissioners ("Ionia"), enter into this Agreement regarding the export and import of Type II and Type III Solid Waste between the two counties.

**SECTION I
Purpose**

Michigan's Solid Waste Management Act, P.A. 641 of 1978, as amended ("Act 641"), requires Michigan counties to promulgate a solid waste management plan and plan updates which, among other provisions, must plan for the twenty (20) year disposition of their solid waste. The requirements of Act 641 therefore necessitate that Montcalm County and Ionia County make arrangements to ensure landfill capacity for the solid waste generated therein.

**SECTION II
Definitions**

As used in this Agreement, the following terms shall have the following meaning:

2.1 "Capacity" refers to the quantity of landfill air space remaining at a site or collection of sites.

2.2 "County Plans" refers to the Michigan Department of Natural Resources approved solid waste management plans, updates and amendments as promulgated by Michigan counties pursuant to Act 641.

SECTION III

Waste Flow

3.1 Montcalm warrants that it will accept solid waste from Ionia in the amount of _____ tons per month of Type II and Type III solid waste. The warrant shall be extended during the term of the Agreement provided the Central Landfill in Pierson Township, Montcalm County is licensed and operating.

3.2 Ionia warrants that it will accept solid waste from Montcalm in the amount of 1,500 tons per month of Type II and Type III solid waste. This warrant shall be extended during the term of this Agreement provided that a landfill is opened, licensed and operated in Ionia County.

SECTION IV

Planning

4.1 Ionia and Montcalm Counties must have in place a Michigan Department of Natural Resources ("MDNR") approved Solid Waste Management Plan, amendment of update which specifically identifies Montcalm and Ionia Counties as having reciprocal intercounty agreements for Type II and Type III solid waste.

4.2 Ionia and Montcalm Counties pledge to direct a County 641 Planning Committee member representative to meet once each year for the purpose of reviewing this Agreement.

SECTION V

Enforcement

5.1 The parties agree to work mutually and cooperatively to reduce illegal dumping within the two counties and specifically agree that no Type I hazardous waste may be deposited in Montcalm or Ionia Counties.

5.2 The parties recognize the need for intercounty cooperation in addressing matters of compliance with this Agreement and agree to work cooperatively to address issues on non-compliance.

5.3 In the event that either County is in violation of this Agreement, by resolution the import of any solid waste may be immediately restricted. The duration of such a restriction shall be vested in the discretion of the County Board of Commissioners. In such an event, a copy of a communication regarding such a resolution shall be sent within seven (7) days after its promulgation.

SECTION VI

Miscellaneous

6.1 **Severability** This Agreement shall be interpreted in a manner consistent with applicable law. If any portion is held to be illegal, invalid or unenforceable, the remainder of the Agreement shall be deemed severable and shall remain in full force and effect.

6.2 **Term** The provisions in this Agreement which do not have their own term shall remain in effect until the next Act 641 Solid Waste Management Plan Update period.

EXECUTION

This Agreement may be executed at separate times and on separate copies of this Agreement without affecting its validity. Each party agrees to forward an executed copy to the other.



PAUL E. INGLIS
OCEANA COUNTY
ADMINISTRATOR/FISCAL OFFICER

RECEIVED OCT 14 1998

P.O. Box 14, Hart, MI 49420
Phone (616) 873-4835
Fax (616) 873-5914

October 8, 1998

Mr. Donald Lehman
Ionia County Resource Recovery Project
100 Library St.
Ionia, MI 48846

Dear Mr. Lehman:

The Oceana County Solid Waste Planning Committee is in receipt of your letter dated March 13, 1998, in which you suggest that Oceana and Ionia County's enter into a "Solid Waste Management Plan Import/Export Arrangement". The Committee is excited about the possibilities of this type of agreement with Ionia County and has directed staff to respond affirmatively to this request. This letter of explanation, and the attached "Solid Waste Reciprocal Agreement," are designed to jump start this process and provide a starting point that will lead to a reciprocal agreement that will benefit both counties.

In preparation for the development of their 1998 Part 115 Solid Waste Management Plan Update, the Oceana County Solid Waste Planning Committee has also identified Ionia County as one of ten counties they would like to enter into a reciprocal agreement with for the import and/or export of solid waste.

On behalf of the Oceana County Board of Commissioners and the Oceana County Solid Waste Planning Committee, we request that Ionia County consider, for inclusion in the Ionia County solid waste plan, the acceptance of Oceana County solid waste, at disposal facilities located in Ionia County. At the present time, Oceana County does not have a solid waste disposal facility located within its boundaries. However, Oceana County will agree to include all ten identified counties in its future import authorization category for disposal of solid wastes if and when a solid waste facility is sited within the county. The Oceana County Solid Waste Planning Committee requests that reciprocal agreements, allowing Oceana County to export solid waste to Ionia County, be included in the Ionia County plans for import/export counties.

As per Michigan Department of Environmental Quality (MDEQ) requirements, it is necessary that explicit authorization for import/export from each county be included in the plan update. As such, Oceana County is asking for that authorization from Ionia County at this time. If Ionia County is interested in being recognized in the Oceana County Solid Waste Plan, please submit a letter stating your willingness to accept a reciprocal agreement with any stipulations, conditions or qualifications that may be necessary.

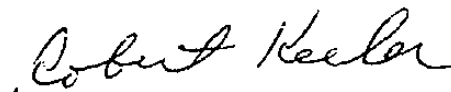
Also required by the MDEQ is an inventory of each disposal site. If Ionia County hosts one or more solid waste disposal facilities, Oceana County would appreciate receiving a facility description with a contact person and a phone number for each disposal site within Ionia County. Please include all stipulations, conditions or restrictions that will affect import/export for each facility.

Oceana County would also like to request that they be included in any future planning activities that would facilitate the development of a regional solid waste disposal system/facility. Oceana County believes that a regional facility could significantly decrease the costs of waste disposal and provide for a larger facility which could accommodate MDEQ regulations for resource reduction and resource recovery programs.

At their August 20, 1998 meeting, the Oceana County Solid Waste Planning Committee directed the preparation of reciprocal agreements for the ten counties selected for inclusion in the Oceana County Solid Waste Plan. Enclosed for your review and consideration is a proposed reciprocal agreement with Ionia County. In order to expedite this process, the committee has taken the liberty of having this agreement approved by the Oceana County Board of Commissioners and signed by it's Chairperson. Hopefully, this agreement will meet the requirements of your Solid Waste Planning Committee.

If you have any questions or would like any additional information, please feel free to contact our Solid Waste Planner, Steve Hanis, at the West Michigan Shoreline Regional Development Commission, (616) 722-7878 x112 or via E-mail at shanis@wmsrdc.org. Thank you for your time and immediate consideration of this matter.

Sincerely,



Robert Keeler, Chairman
Oceana County
Solid Waste Planning Committee

Enclosure

Osceola County

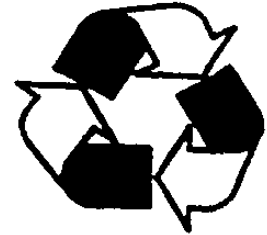
Solid Waste Management

Planning Committee

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

August 5, 1998

FILED AUG 10 1998



Recycle!

Michigan

Mr. Donald Lehman
Ionia County Resource Recovery Project
100 Library Street
Ionia, MI 48846

Att: Mark Howe

Dear Sir:

At the Osceola County Solid Waste Planning Committee Meeting held on July 14, 1998, the committee voted to have a Reciprocal Agreement with all units listed in our plan. With this requirement for a reciprocal agreement, we have taken the liberty to have each agreement made out.

We also have had these agreements approved by the County Board of Commissioners and signed by our Chairperson, in order to proceed more quickly in this regard.

Enclosed is a signed Reciprocal Agreement with your County for your consideration. Hopefully this agreement will meet the requirements of your Planning Committee.

This agreement also conforms to the request made by your committee contained in letter dated March 13, 1998.

Also to be brought to the attention of Mark Howe reference phone conversation held with undersigned.

Very truly yours,



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

SOLID WASTE RECIPROCAL AGREEMENT

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

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

THEREFORE, BE IT RESOLVED, Osceola County will agree to accept Type II wastes consisting of construction and demolition debris, foundry sand, sludge, contaminated soils, street sweepings, fly ash, slag, agricultural waste and others from Ionia County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services or tipping fee price structure. The above described wastes are Type II wastes, but excludes general Type II residential, commercial, and industrial wastes.

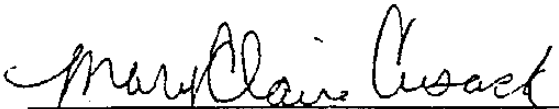
BE IT FURTHER RESOLVED, THAT Ionia County will agree to accept the above described Type II wastes from Osceola County for primary and/or standby backup disposal in solid waste facilities within its borders so long as they are open to the public and users will not be subject to discrimination in services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

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

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

FOR IONIA COUNTY

FOR OSCEOLA COUNTY


Chairperson, Board of Commissioners


Chairperson, Board of Commissioners

Date: 5/26/99

Date: 6/24/99

**Ottawa County
Environmental
Health**

RECEIVED JUN 26 1998

Solid Waste Management
Program

Memorandum

Don LEHMAN

To: Solid Waste Management Planning
Committees/Designated Planning
Agencies for:

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

From: Darwin J. Baas, Solid Waste Management
Coordinator *Darwin J. Baas*

Date: Monday, June 22, 1998

Subject: Ottawa County Import/Export
Authorizations for Type II/III Solid Waste

In preparing the Solid Waste Management Plan Update, Ottawa County has recognized 24 counties within the disposal region for import and export authorization.

Importation of Out-of-County Solid Waste

Ottawa County has approved the counties listed above for disposal of Type II/III solid waste and authorizes solid waste from these counties to be deposited in licensed facilities located in Ottawa County. Solid waste may be imported from one or any combination of the above listed counties if explicitly authorized by the exporting county's Solid Waste Management Plan. Disposal of solid waste in licensed Type II facilities in Ottawa County is subject to an annual cap of 1,500,000 tons annually.

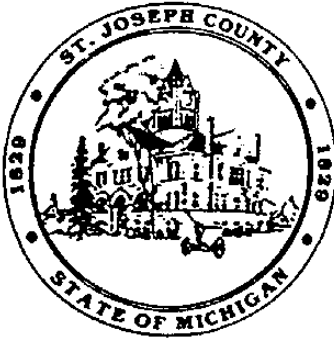
Exportation of Ottawa County Solid Waste

Ottawa County will authorize the exportation of up to 100 percent of the Ottawa County solid waste stream to any of the counties listed above whose Solid Waste Management Plan specifically authorize the acceptance of Ottawa County's solid waste.

Enclosed are copies of facility descriptions for the Type II landfills located in Ottawa County. We are requesting that you provide a facility description for each Type II and Type III landfill located within your county, provided the importation of Ottawa County solid waste will be authorized by your Plan. I will be calling you shortly regarding this information.

In the mean time, if you have any questions regarding the enclosed material, please feel free to call me at 616/393-5638.

RECEIVED APR 22 1998



PLANNING COMMISSION

Telephone: (616) 467-5617

125 W. Main St.
P.O. Box 277
Centreville, MI 49032-0277

DATE: April 20, 1998

TO: All Lower Peninsula Designated Solid Waste Planning Agency
Representatives

FROM: St. Joseph County Solid Waste Planning Committee

RE: Solid Waste Management Plan Import/Export Arrangements

The St. Joseph County Solid Waste Planning Committee intends on listing all Lower Peninsula Counties as authorized exporters of Type II solid waste to St. Joseph County. Westside Landfill, located near Three Rivers, is owned and operated by Waste Management of Michigan and has a licensed life capacity of approximately 12 years. In addition to the currently licensed capacity Westside has an additional 280 acres available for future development. Westside Landfill has a current annual cap of 1.75 million gate cubic yards of solid waste with St. Joseph County contributing approximately 255,000 gate cubic yards per year.

If your county wishes to utilize Westside Landfill as a disposal area St. Joseph County must be listed in your plan as an authorized import/export county. Arrangements for specific amounts of waste to be exported to Westside Landfill should be made with Waste Management 616-279-5444.

The St. Joseph County Solid Waste Planning Committee requests that reciprocal agreements, allowing St. Joseph County to export solid waste to your county, be included in your county plans for counties that wish to include St. Joseph County as an import/export county.

Please direct correspondence and inquiries to:

Mr. Craig Laurent
Environmental Consultant
PO Box 44
Battle Creek, MI 49016
Phone 616-962-5082

Sincerely,

Craig Laurent, Environmental Consultant



DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE SERVICES

PUBLIC WORKS DIVISION

110 NORTH FOURTH AVENUE

P.O. BOX 8645, ANN ARBOR, MI 48107-8645

August 7, 1998

Mr. Donald Lehman
Ionia County Resource Recovery Coordinator
100 Library St.
Ionia, MI 48846

Dear Mr. Lehman,

In preparing its 1998 Part 115 Solid Waste Management Plan Update, Washtenaw County is considering recognizing all 83 counties in Michigan for import/export authorization. Exhibit A (attached) describes Washtenaw County's intended import/export authorizations, including quantities, for each county in the State. Please review this document carefully, noting particularly our proposed levels of solid waste importation from and exportation to your County.

Washtenaw County currently has one licensed and operational Type II landfill located within its borders, the Arbor Hills Landfill operated by Browning Ferris Industries. Per statutory requirements, it is necessary for both the generating and receiving county plans to explicitly authorize waste transfers and amounts. Washtenaw County is hereby requesting that your County authorize the receipt of Washtenaw County solid waste, in the quantity identified in Exhibit A, through explicit authorization in your solid waste plan.

Washtenaw County intends to release the draft of its Plan Update in October of this year. In order to ensure that your County's disposal needs are included in our Plan, and that our needs are likewise included in your Plan, we would appreciate receiving written notice of your import/export intentions by September 1, 1998.

Thank you for your attention to this matter. If you have any questions or concerns, please contact me at (734) 994-2398 or via e-mail at todds@co.washtenaw.mi.us.

Sincerely,

Susan Todd
Solid Waste Coordinator

Enc.

Authorized Importation of Solid Waste

From all sources, the Arbor Hills Landfill shall not receive more than 4.5 million gate cubic yards in any one year and no more than 17,500,000 gate cubic yards in the most recent consecutive five year period that concludes at the end of the current year of activity.

Subject to this overall limit, import of solid waste to the Arbor Hills Landfill from the following counties in the quantities specified is explicitly recognized in this Plan Update:

Jackson County – No more than 250,000 gate cubic yards of solid waste per year may be imported from Jackson County to the Arbor Hills Landfill.

Kalamazoo County - No more than 200,000 gate cubic yards of solid waste per year may be imported from Kalamazoo County to the Arbor Hills Landfill.

Lenawee County – No more than 750,000 gate cubic yards of solid waste per year may be imported from Lenawee County to the Arbor Hills Landfill.

Livingston County – No more than 750,000 gate cubic yards of solid waste per year may be imported from Livingston County to the Arbor Hills Landfill.

Macomb County – No more than 1,500,000 gate cubic yards of solid waste per year may be imported from Macomb County to the Arbor Hills Landfill.

Monroe County - No more than 1,500,000 gate cubic yards of solid waste per year may be imported from Monroe County to the Arbor Hills Landfill.

Oakland County – No more than 1,500,000 gate cubic yards of solid waste per year may be imported from Oakland County to the Arbor Hills Landfill.

Wayne County – No more than 2,000,000 gate cubic yards of solid waste per year may be imported from Wayne County to the Arbor Hills Landfill.

In addition, a total of no more than 500,000 gate cubic yards of solid waste may be imported from one or any combination of the counties listed below, subject to the overall limit identified above:

Alcona	Dickinson	Lake	Oceana
Alger	Eaton	Lapeer	Ogemaw
Allegan	Emmet	Leelanau	Ontonagon
Alpena	Genesee	Lenawee	Osceola
Antrim	Gladwin	Livingston	Oscoda
Arenac	Gogebic	Luce	Otsego
Baraga	Grand Traverse	Macinac	Ottawa
Barry	Gratiot	Macomb	Presque Isle
Bay	Hillsdale	Manistee	Roscommon
Benzie	Houghton	Marquette	Saginaw
Berrien	Huron	Mason	Saint Clair

Branch	Ingham	Mecosta	Saint Joseph
Calhoun	Ionia	Menominee	Sanilac
Cass	Iosco	Midland	Schoolcraft
Charlevoix	Iron	Missaukee	Shiawasee
Cheyboygan	Isabella	Monroe	Tuscola
Chippewa	Jackson	Montcalm	Van Buren
Clare	Kalamazoo	Montmorency	Wayne
Clinton	Kalkaska	Muskegon	Wexford
Crawford	Kent	Newago	
Delta	Keweenaw	Oakland	

These imports are contingent upon the export being explicitly recognized in the generating County's approved Part 115 Solid Waste Plan.

Authorized Export of Solid Waste

A portion of the County's waste stream may be disposed of at licensed facilities in other counties as specified in this Plan. Export of solid waste to the following counties in the quantities specified below is explicitly recognized and authorized in this Plan Update:

Jackson County: No more than 250,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Jackson County.

Kalamazoo County: No more than 200,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Kalamazoo County.

Lenawee County: No more than 750,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Lenawee County.

Livingston County: No more than 750,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Livingston County.

Macomb County: No more than 1,500,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Macomb County.

Monroe County: No more than 1,500,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Monroe County.

Oakland County: No more than 1,500,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Oakland County.

Wayne County: No more than 2,000,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in Wayne County.

In addition, a total of no more than 500,000 gate cubic yards per year of solid waste may be exported to licensed disposal facilities in the following counties:

EXHIBIT A**As Proposed: 08/10/98**

Alcona	Dickinson	Lake	Oceana
Alger	Eaton	Lapeer	Ogemaw
Ailegan	Emmet	Leelanau	Ontonagon
Alpena	Genesee	Lenawee	Osceola
Antrim	Gladwin	Livingston	Oscoda
Arenac	Gogebic	Luce	Otsego
Baraga	Grand Traverse	Macinac	Ottawa
Barry	Gratiot	Macomb	Presque Isle
Bay	Hillsdale	Manistee	Roscommon
Benzie	Houghton	Marquette	Saginaw
Berrien	Huron	Mason	Saint Clair
Branch	Ingham	Mecosta	Saint Joseph
Calhoun	Ionia	Menominee	Sanilac
Cass	Iosco	Midland	Schoolcraft
Charlevoix	Iron	Missaukee	Shiawasee
Cheyboygan	Isabella	Monroe	Tuscola
Chippewa	Jackson	Montcalm	Van Buren
Clare	Kalamazoo	Montmorency	Wayne
Clinton	Kalkaska	Muskegon	Wexford
Crawford	Kent	Newago	
Delta	Keweenaw	Oakland	

This authorization is contingent upon the receiving County explicitly authorizing the receipt of Washtenaw County waste in their approved Part 115 Solid Waste Plan.

ATTACHMENTS

Local Landfill Agreements

Agreements regarding local surcharge, miscellaneous.

RECEIVED FEB 12 1998

Memorandum of Understanding between Ionia County, Orleans Township, and Pitsch Companies.

This document is to clarify the collection and distribution of the Impact Fee collected from Pitsch Landfill, as it was negotiated and agreed upon in December 1997.

The Impact fee shall be set in the amount of 20 cents per yard or 60 cents per ton of all solid waste disposed of in the Landfill, regardless of whether the source of said waste is a third party or one of the Pitsch Companies.

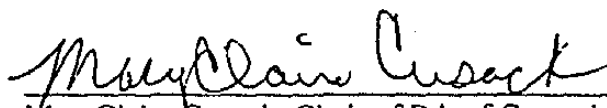
One-half of the revenues generated by the impact fee shall be segregated and maintained in a separate, Ionia County account, with principle and interest to be used for landfill related infrastructure improvements. An example of these improvements would be upgrading Johnson Road from M-44 to the landfill to an All-Season Road. Appropriations from this fund shall not be made until proposed improvements have been approved by Pitsch Companies, the Orleans Township Board and the Ionia County Board of Commissioners.

One-quarter of the impact fee shall be submitted to Ionia County and used for the planning, promotion, and implementation of resource recovery projects for Ionia County residents.

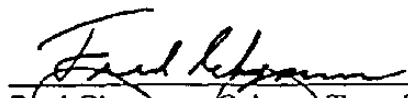
One-quarter of the impact fee shall be dispersed to Orleans Township for uses relating to the impact of having a landfill in their jurisdiction, and/or uses that are determined to be in the best interest of the township residents.

Pitsch Companies will provide free collection equipment and disposal for a once-a-year roadside collection program. Ionia County, through interested citizens, local municipalities, volunteer fire departments, civic groups, or other interested groups, will provide labor for the collection. Pitsch Companies will provide one 40-yard roll-off container at each of six collection points, three on the east side of the County and three on the west side of the County.

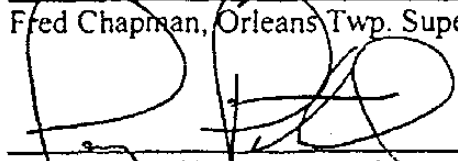
The term of this agreement shall not exceed fifteen years. However the agreement shall be reviewed in good faith at the time any future amendments to the County plan are made.


MaryClaire Cusack, Chair of Bd. of Commissioners

1/20/98


Fred Chapman, Orleans Twp. Supervisor

2/10/98


Gary Pitsch, Pitsch Companies

2/5/98

ATTACHMENTS

Special Conditions

Special conditions affecting import or export of solid waste.

IONIA COUNTY
SOLID WASTE EXPORT CONDITION

Ionia County's Solid Waste Management System includes Pitsch Sanitary Landfill, the Household Hazardous Waste Program, Recycling Drop-offs, and public education programs. This system takes a comprehensive approach to the management of solid waste in the county.

Ionia County has listed the following counties with which agreements have been discussed to accept Ionia County's waste on a reciprocating basis.

The counties are as follows: Allegan, Barry, Kent, Clinton, Montcalm, Eaton, Gratiot, Ingham, Berrien, Branch, Calhoun, Cass, Clare, Jackson, Kalamazoo, Mason, Mecosta, Midland, Muskegon, Newaygo, Oceana, Ottawa, Osceola, Saginaw, Shiawassee, St. Joseph, Van Buren, Wexford.

Although Ionia County does not require reciprocal agreements with other counties, the County does require import/export agreements.

IONIA COUNTY
SOLID WASTE IMPORT CONDITION

The plan establishes limits on the amounts and origins of waste authorized for disposal in Ionia County, including a controlling overall maximum amount of 100,000 tons annually.

Ionia County has named the following counties with which agreements could be negotiated to accept waste generated in those counties on a reciprocal basis.

According to the amendment to the Plan of 1990, this Plan authorizes solid waste for disposal in Ionia County on a reciprocal basis from one or more of the following counties if an agreement is executed between Ionia County and the sending county.

Ionia County would be responsible for assuring that any agreements executed do not jeopardize its own disposal capacity. Ionia County waste is to receive preference if space becomes scarce.

The counties are as follows: Allegan, Barry, Kent, Clinton, Montcalm, Eaton, Gratiot, Ingham, Berrien, Branch, Calhoun, Cass, Clare, Jackson, Kalamazoo, Mason, Mecosta, Midland, Muskegon, Newaygo, Oceana, Osceola, Ottawa, Saginaw, Shiawassee, St. Joseph, Van Buren, Wexford.

Ionia County's first and main concern is to provide long term disposal for the residents of the County (20 years). In the event, as determined solely by the Board of Commissioners, that long term disposal is not being met, any agreements for importation with the above mentioned counties will be reviewed or not renewed.

Eaton and Gratiot counties are listed as reciprocal counties without any further formal agreements required by Ionia County. Intercounty agreements may be executed with the above listed counties if the waste-exporting counties require additional documentation. Authorized quantities may be negotiated by agreement upon that county's request for need.

Authorized quantities were derived from the latest amendment to the 1990 plan and the annual report from Pitsch Landfill.

Although Ionia County does not require reciprocal agreements with other counties, the County does require some kind of import/export agreements with other counties.

RECEIVED MAR 08 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Village Council ^(CLARKSVILLE)
Township/Village/City

it is hereby resolved that we Approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Vernon Richard Goss
Appropriate Local Authority

Michael D. Hart
Witness

3/6/00
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED MAY 16 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of the Village of Saranac
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Sue Ferguson
Appropriate Local Authority/ Sue Ferguson, President

Jackie Borup
Witness Jackie Borup

05-12-00

Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

Recd 5/10/00

By action of the Board/Council of Hubbardston
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Andy Peppers / President
Appropriate Local Authority

Janet Bailey
Witness

5/08/00
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED MAR 06 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Pewamo
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Village of Pewamo
Appropriate Local Authority

Shelly Spitzler, Clerk
Witness

2-28-2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED MAR 07 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of THE VILLAGE OF LAKE ODESSA
Township/Village/City

it is hereby resolved that we APPROVE the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Jerry Lyb
Appropriate Local Authority

John French JOHN FRENCH
Witness

3/2/00
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Orleans
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Frederick E. Chapman
Appropriate Local Authority

James E. Dett
Witness

2-8-2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 11 2000

Orleans Township ~ 4296 Palmer Rd., Belding, MI 48809-9559

Frederick Chapman, Supervisor
616-761-3613

Joyce E. Doty, Clerk
616-761-3220

Joel Noe, Treasurer
616-761-3169

Jerry Gallagher, Trustee
616-761-3243

Herman Peterson, Trustee
616-761-3214

FAX 616-761-2128
Ph. 616-761-3220

February 10, 2000

Michele A. Stemler
100 Library St
Ionia, MI 48846

Dear Michele:

The Orleans Township Board at the February 8, 2000 regular meeting approved the Solid Waste Management Plan. Enclosed is the resolution pertaining to the approval of the plan.

Yours truly,



Joyce E. Doty, Clerk

RECEIVED MAY 16 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Ionia Township
Township/Village/City

it is hereby resolved that we Approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Cynthia V. Higley
Appropriate Local Authority

Marilyn Daepp
Witness

May 9, 2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 29 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of the City of Portland
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Gronnem Bailey
Appropriate Local Authority, City Clerk

Brenda Schrauben
Witness Brenda Schrauben

February 25, 2000

Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 28 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Township of Dows
Township/Village/City

it is hereby resolved that we Approve the
approve/dissapprove

Solid Waste Management Plan, prepared pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Charles S. Brown, Dows Twp. Clerk
Appropriate Local Authority

Elizabeth C. Kalarick, Treasurer
Witness

2-24-2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 23 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Boston Township
Township/Village/City

it is hereby resolved that we approve 2/9/00 the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Carolyn Longwell, Boston Township Clerk
Appropriate Local Authority

Mary Lamphar, Treasurer
Witness

2/16/00
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 15 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Lyons
Township/Village/City

it is hereby resolved that we Approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

John L. Westbrock
Appropriate Local Authority

Faith Lincoln
Witness

February 7 2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 22 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Portland
Township/Village/City

it is hereby resolved that we APPROVE the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Keith D Baker
Appropriate Local Authority

Joseph A. Pung
Witness

Feb 8- 2000
Date

When completed, please mail to:

Michele A. Sternler
100 Library St.
Ionia, MI 48846

112
RECEIVED FEB 09 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of ODESSA
Township/Village/City

it is hereby resolved that we APPROVE the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Robert Cobb, Jr. Supervisor
Appropriate Local Authority

Wesley Williams
Witness

Feb. 8, 2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of City of Ionia
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Ernest A. Balise

Appropriate Local Authority

Anna J. Dineen

Witness

2-1-00
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 04 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Easton Township
Township/Village/City

it is hereby resolved that we Approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

[Signature] Easton Twp Supervisor
Appropriate Local Authority

[Signature]
Witness

February 1st, 2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED JAN 21 2000

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of Campbell
Township/Village/City

it is hereby resolved that we approve the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Lytle D. Jackson, Supervisor
Appropriate Local Authority

Marshall Ludena, Clerk
Witness

1-13-2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of BERLIN
Township/Village/City

it is hereby resolved that we APPROVE the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Robert Bennett
Appropriate Local Authority ROBERT BENNETT

Jerome Gregory
Witness JEROME GREGORY

JANUARY 12, 2000
Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

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Ionia County Solid Waste Management Plan

Resolution for Solid Waste Plan

By action of the Board/Council of BERLIN
Township/Village/City

it is hereby resolved that we APPROVE the
approve/dissapprove

Solid Waste Management Plan, prepared-pursuant to Part 115 of Act 451 of 1998,

as amended, and the rules promulgated thereunder, for Ionia County.

Robert Bennett
Appropriate Local Authority ROBERT BENNETT

Jerome Gregory
Witness JEROME GREGORY

JANUARY 12, 2000

Date

When completed, please mail to:

Michele A. Stemler
100 Library St.
Ionia, MI 48846

RECEIVED FEB 22 2000

CITY OF BELDING
RESOLUTION NO. 00-02-13

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELDING,
MICHIGAN ADOPTING THE FIVE-YEAR IONIA COUNTY SOLID WASTE PLAN.

At a regular meeting of the City Council of the City of Belding, County of Ionia, Michigan, held in said City on the 15th day of February, 2000.

PRESENT: Council Members Hartley, Goodsell, Stout and Feuerstein.

ABSENT: None.

The following preamble and resolution were offered by Council Member Stout and seconded by Council Member Goodsell.

WHEREAS, the State of Michigan requires that the Ionia County Solid Waste Plan be reviewed every five years; and

WHEREAS, the plan, which is on file with the Department of Environmental Quality, provides Ionia County and its political subdivisions with the capacity for solid waste disposal through 2019; and

WHEREAS, for the plan's adoption, the plan must receive approval from at least 67% of the governmental entities within the county; and

WHEREAS, city staff recommends that City Council approve the adoption of the five-year Ionia County Solid Waste Plan.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Belding, Michigan hereby adopts the five-year Ionia County Solid Waste Plan.

Upon vote for the adoption of said resolution, the vote was:

YEAS: Council Members Hartley, Goodsell, Stout and Feuerstein.

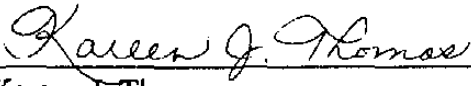
NAYS: None.

RESOLUTION WAS THEREUPON DECLARED ADOPTED THIS 15TH DAY OF
FEBRUARY, 2000.

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Belding, County of Ionia, State of Michigan, at a meeting held on February 15, 2000, the original of which is on file in my office and available to the public. Public notice of said meeting was given pursuant to and in compliance with the Open Meetings Act, Act No. 267 of the Public Acts of Michigan of 1976, including in the case of a special or rescheduled meeting, notice by posting at least eighteen (18) hours prior to the time set for said meeting.

Dated: February 15, 2000


Karen J. Thomas
City Clerk