

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.

The following factors were explored to determine what their effects would be on the resource recovery systems for the selected system.

Solid Waste Collection Systems - By increasing resource recovery in the County there is the potential that collection firms will need to purchase additional vehicles and to hire additional employees, because higher volumes of materials being collected means trucks will fill up faster, creating a need for more vehicles. There may be a need to shorten the routes of recycling trucks or lengthen the trash routes. This may balance out the time trucks are on the road.

Local Support Groups - Increasing resource recovery will help local groups that promote recycling. These groups will encourage the new programs. Groups that promote reuse, such as thrift shops and charities should see more items being donated, because residents will be more aware of different groups and needs in the County.

Institutional Arrangements - The SASWMA has contracts with the haulers, disposal/processing areas and the municipalities for the collection and transport of recyclables and yard waste to the recycling center and the composting sites. The additional volumes of materials shouldn't affect this arrangement.

There are no formal arrangements between Saginaw County and the seven contiguous counties. Saginaw County no longer requires reciprocal agreements, although they are preferred, but does require information from the counties describing their solid waste management programs. The methods by which these counties handle their waste can affect our disposal capacity. For instance, if one of the seven counties does not recycle, materials that are recoverable are taking up landfill space that Saginaw County residents are trying to preserve. Note: Most, if not all, of the seven counties have some form of a recycling program in place.

Population in the County - The lower the population in the County, the lower the waste generation rates, no matter how much or how little resource recovery is taking place. Saginaw County's population is projected to decline slightly over the next fifteen years. Overall, there should be less waste generated, but that does not mean these recovery programs are unnecessary. Resource recovery is an important issue that will be promoted, no matter what the County's population size.

Market Availability for Collected Materials - The price of the markets is determined by demand. If the demand is down, there will be a weakening of prices for recyclable materials. When demand increases, prices will rise which benefits residential and commercial program viability. If a demand goes down, there is the potential that items may be taken off of the list. However, due to the established markets for all of the collected materials in Saginaw County, this is unlikely.

Transportation Network - The transportation network is functioning adequately within the existing framework. Increasing resource recovery of materials should not cause any problems within the existing framework. As long as collection vehicles use designated routes, the transportation network will continue to function properly.

There are many other factors that may affect the rates of composting and recycling in the County. Some of these factors have been identified below.

Community Participation- Perhaps the single most important factor in determining whether the resource recovery programs will be successful is community participation and interest in the program. Without community support, most programs will fail. Fortunately, in Saginaw County, there is a lot of support for recycling and composting. Residents are very concerned that there will not be ample landfill space available to dispose of their trash in future years, if something is not done now. Currently, there is plenty of landfill space in Saginaw County. However, the residents know that when current landfill space runs out, there may be a need to site additional landfills. Since no one wants a landfill to be built in their community, residents are willing to do their part to preserve the existing space.

Convenience - The haulers need to make it convenient for residents to recycle. In particular, the acceptance of a large number of different materials which do not need much preparation is a positive selling point to residents. Another positive method would be to initiate some form of curbside education program that would tell residents why certain items were not picked up. This could be in the form of stickers that are attached to the specific item. Haulers must also realize that making recycling easier and more convenient is only half of the battle to keep residents happy. The other half is that the collections need to be on time and cannot miss houses. For the most part, residents are very satisfied with their service. However, there have been some complaints about haulers missing homes during their collections. When this happens, it upsets the affected residents very much and may cause them to lose interest in the recycling program.

Purchase of Mulching Mowers and Chippers/Backyard Composting - A mulching mower mulches the grass as it cuts. There is no need to bag the grass. Also, some residents buy chippers for their

homes. Small diameter wood waste can be chipped up on-site and used in their landscaping. This reduces the yard waste volumes. As sales of this type of equipment increase, less volume is being produced.

Backyard composting is also taking place in the County. The higher the backyard composting rate, the lower the yard waste collection rate. In the less populated areas there is a lot more land available to do backyard composting, which means less yard waste collections are necessary in the rural areas. Also, some (14) of the local units of government in SASWMA are not participating in yard waste collection programs in an effort to encourage backyard composting.

More Frequent Collections - In the City of Saginaw, there was a relatively low recycling participation rate because collections took place monthly and many people had concerns with storing things for that long. Also, those that did participate in City of Saginaw's recycling would have a great deal of material saved, which took up a lot of space. After many discussions with the City Council, the City of Saginaw voted to change to a weekly recycling collection schedule. The numbers are not in yet, but it can be assumed that the recycling rates have improved dramatically.

Market Value of Collected Materials - The recycling market goes up and down frequently. It is constantly changing and is beyond the County's control. Certain products are very valuable all of the time, and others are only valuable on occasion. This may make it difficult to increase types of materials collected. However, if an item is in high demand, items could or should be added to collection lists.

Citizen Opinion - Fortunately for recycling advocates, recycling is a task that most people do not mind doing. It is not very difficult and people feel they are helping the environment. Composting is not difficult either. Residents only need to put their yard waste at the curb and it is picked up. Since the Michigan Yard Waste Ban went into effect, it is illegal to dispose of yard waste in the landfills. Residents do not have much of a choice with these materials. These are the "feel good" programs for residents.

Level of Encouragement and Support - Support and encouragement comes from many different sources. The solid waste industry, the local governments, and of course family and friends, all make up the support network. Encouragement can come in many ways. Educating the public in the proper methods and encouraging them to continue doing a good job are some things that should be done. Also, providing a recycling hotline that can answer citizen questions is valuable. Broadcasting Public Service Announcements on the radio and TV allow citizens to see and hear what their recycling is helping to accomplish.

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

Materials	Volume Being Recycled	Volume Available
Newsprint	17,155.88 tons per year	unknown
Corrugated	19,655.53 tons per year	unknown
Office Paper	3,030.46 tons per year	unknown
Yard Waste	23,757 tons per year*	unknown
Glass	2,116.55 tons per year	unknown
Ferrous Metals & Nonferrous metals	12,770 tons per year	unknown
Plastics	13,314.97	unknown

*Municipalities do not keep records of brush volumes. This number is strictly pallets and brush volumes from a private company.

Note: The numbers above are based on reports from processors. They are high because it is difficult to identify what proportion of each processors' business comes from each County.

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: The communities in Saginaw County use private waste haulers (with the exception of the City of Saginaw) to provide recycling and composting services to its residents. The private waste haulers have their own recycling facility and/or take recyclables to another privately owned recycling facility. The composting facility is operated by the City of Saginaw.

The process used to select the equipment for these facilities was determined by the private owners of

these facilities, SASWMA and the City of Saginaw. The SASWMA went through a bidding process which required the identification of specific equipment to be utilized and this was a factor in the awarding of their contracts. While the equipment maintenance is the responsibility of the facility owner, the SASWMA retains its role in approving and specifying it. This will be repeated in 2004 when the current contracts are up.

Proposed Programs: There are no proposed programs for equipment selection. It will remain the same as it is currently.

Site Availability & Selection

Existing Programs: Composting facilities do not need to be licensed by the DEQ but they must meet local zoning and/or building regulations and are subject to local government approval. The existing program requires that the site and operations plan be submitted to the local governmental unit, including the specifications for the site. The local government reviews the site plan taking into consideration the zoning and/or building regulations in the area and determines whether or not the site is appropriate for a facility of this sort. If the site is viable the site plan is approved. Although not required, the Michigan Department of Environmental Quality will do an advisory analysis of the site to determine how suitable the land is for a facility of this sort, if requested by the local government.

Proposed Programs: The committee has expressed an interest in developing recycling and compost center site guidelines.

Composting Operating Parameters:

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

Existing Programs:

<u>Program Name:</u>	<u>pH Range</u>	<u>Heat Range</u>	<u>Other Parameter</u>	<u>Measurement Unit</u>
<u>City of Saginaw Facility</u>	<u>6.0 - 8.5</u>	<u>60 deg Celsius</u>	<u> </u>	<u> </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>
<u>No change anticipated</u>	<u> </u>	<u> </u>	<u> </u>	<u> </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.

Ultimate responsibility for implementing the Solid Waste Management Plan rests with the County Board of Commissioners as part of its duties of general governance. The Board of Commissioners has charged the County Planning Commission (and/or staff of Public Health) to be cognizant of any pertinent ordinances or approved land use plans or wellhead protection plans within the county, and any pertinent restrictions or ongoing commitments contained in plans for air quality, water quality or waste management which may be required to meet state or federal standards. Any county-level decisions affecting current or anticipated programs for solid waste management, air quality, water quality or land use planning will be made only after thorough consultation with the County Planning Commission (and/or staff of Public Health).

KNOWN EXISTING ARRANGEMENTS

The County currently has contracts with the two Type II landfills in Taymouth Township, which guarantee capacity to the County for 20 years from signing (February 26, 1993).

There is also a Saginaw County Solid Waste Management ordinance which regulates some solid waste collection, hauling and disposal practices. One potential problem is that Saginaw County's Solid Waste Management Ordinance is currently under litigation, brought by the owners of landfills in the County. Numerous sections of the Ordinance, which were determined to be in conflict with P.A. 451 were invalidated by a circuit court decision. That decision did, however, uphold the County's ability to levy a surcharge on solid waste disposal operations. One of the litigants appealed that portion of the decision to the Michigan Court of Appeals. A decision was reached by the Court of Appeals on October 16, 1998 in Saginaw County's favor. However, the City Management Corporation (now known as Waste Management) has appealed the decision to the Michigan Supreme Court. In the

event that the decision is reversed, this Plan will need to be amended.

This plan designates responsibilities for various aspects of Solid Waste Management to various agencies, as listed in Part III, pages 34,35,57-60.

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>	N/A	Private Sector- or see "Education" below
<u>Resource Recovery Programs</u>	\$100,000/yr.	Surcharge*
<u>Volume Reduction Techniques</u>	N/A	City of Saginaw, Private sector haulers and landfill operators
<u>Collection Processes</u>	N/A	City of Saginaw Private haulers
<u>Transportation</u>	N/A	Saginaw Co. Road Commission, Landfill operators
<u>Disposal Areas</u>	N/A	Landfill operators
<u>Future Disposal Area Uses</u>	N/A	Landfill owners and local government
<u>Management Arrangements</u>	\$160,000/yr.	Surcharge*
<u>Educational & Informational Programs</u>	\$140,000/yr.	Surcharge*

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

*Note: Recommend monitoring of surcharge collection on a continual basis. Please note surcharge lawsuit is still in litigation.

EVALUATION SUMMARY OF THE SELECTED SYSTEM:

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

The positive and negative impacts if the selected system are evaluated below.

Public Health Effects

The selected plan, while working hard to increase resource recovery, still relies on the landfill as its primary disposal means. Properly sited, constructed and maintained landfills will have a minimal effect on the surrounding environment and/or community. Historically, the land surrounding landfills have been a less than desirable, unhealthy place to live. This was due in part to leachate leakage into groundwater, blowing papers and vermin problems. These conditions have been addressed by the MDEQ regulations. Present landfills are designed, constructed and operated at a much higher standard than ever before, including, but not limited to, the use of composite liner systems, leachate collection systems and improved operational methods to reduce blowing papers and vermin problems.

Additional recycling and composting facilities reduce public health risks by taking materials out of the waste stream that would normally go to a landfill. This reduces the volume of material entering the landfill daily and delays the need for siting additional landfills.

Additional household hazardous waste (HHW) collection days help to remove HHW from the waste stream that would normally go to a landfill, reducing public health impacts.

Economics

Landfilling as the primary means of disposal is the most cost-effective way of disposing of trash, if the site is designed, constructed, and maintained properly. Even though landfilling is not being highly promoted in this system it is still the primary disposal method. Recycling is an expensive program to run and is not necessarily the most cost-effective method of dealing with trash. However, the County is appreciative of residents and businesses that are recycling and wants to maintain this service in order to preserve landfill space.

The recycling markets may fluctuate up and down, but it is still a viable way to preserve landfill space, which means fewer landfills will need to be sited and constructed in the future. Citizens are willing to pay a little more for this service because of its benefits.

Environmental Conditions

The selected plan is focusing on increasing the resource recovery rate through increased recycling, composting, re-use, and reduction. These four methods are very good for the environment. Through recycling, we preserve landfill space, limiting the need for additional facilities. Reusing materials and reducing the amount of waste generated helps to lower the volume of waste going to the landfill. Recycling and composting facilities can cause nuisance conditions if not managed properly, although the effects would be less than that of an improperly managed landfill. Composting facilities can develop an odor problem if not properly maintained. One recommendation of this Plan is the development of guidelines for the design and operation of composting facilities.

A properly sited, constructed, or maintained landfill should have little effect on the environment. Groundwater problems at landfills may occur and be very damaging to surrounding development requiring extensive cleanups or construction of a public water supply system. However, the DEQ's operating standards are very high, and all newer landfills are equipped with a leachate collection system to help eliminate the threat of groundwater contamination.

Household Hazardous Waste collections would occur more frequently under this Plan's recommendations, helping to eliminate improper disposal of these materials in the landfills which will lower the threat of contamination.

Siting Considerations

Landfills are very difficult to site due to public opposition. Saginaw County has contracts with the landfill operators which guarantee capacity to meet disposal needs for at least ten years. However the two landfills operating in Taymouth Twp. both have plans to expand. The Solid Waste Management Planning Committee have carefully reviewed siting criteria during the development of this Plan. These

criteria are designed to work in concert with the DEQ's licensing procedures for landfills.

Recycling centers and composting facilities do not need to be licensed by the DEQ but they must meet local zoning and/or building regulations and are subject to local government approval. However, they may still receive public opposition if proposed areas are too small to accomodate proper screening and buffer distances. Although not required, the Michigan Department of Environmental Quality will do an advisory analysis of the site to determine how suitable the land is for a facility of this type, if requested by the local government.

Existing Disposal Areas

The selected plan relies on the three landfills in Saginaw County (and landfills in the seven contiguous counties to a lesser extent) to provide disposal capacity for the 5 and 10 year planning periods. Therefore, no new landfills will need to be sited in Saginaw County. However, expansions of two existing landfills are planned. The third, Saginaw Valley Landfill is nearly full and is likely to close in 1999, shifting the disposal burden on other landfills in the County and the region.

Energy Consumption/Production

The selected system produces a small amount of energy through the landfills' methane gas recovery systems. The system uses a lot of energy in the form of fuel consumption to run all of the collection routes. There are separate collections for trash, recyclables and yard waste.

EVALUATION SUMMARY CONTINUED:

The Saginaw County selected system promotes the use of all of the solid waste alternative technologies, except for Waste to Energy. The remaining five are being addressed in the selected system, particularly in the residential sector. In some cases, Saginaw County has a more aggressive goal than the State.

Saginaw County has decided to address the three waste generation sectors separately due to the differing nature of the three sectors. Educational programs, collection vehicles, acceptable materials, collection frequency, and payment methods are all handled differently. It makes sense to evaluate the three sectors separately and to set different goals for them.

The State of Michigan's Policy Goals are:

Reduce	8-12%
Re-use	4-6%
Compost	8-12%
Recycling	20-30%
Waste-To-Energy	35-45%
Landfill	10-20%

The Saginaw County Solid Waste Management Plan sets forth the following goals for Type II Waste.

RESIDENTIAL

Reduce/Reuse	3%
Compost	20%
Recycling	27%
Landfilling	50%

COMMERCIAL

Recycling	20%
Landfilling	80%

INDUSTRIAL

Reuse	19% (primarily municipal sludge, land applications)
Recycling	30%
Landfilling	51%

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. The existing technology is capable of handling the waste stream.
2. The existing infrastructure can support additional recycling trucks, if all trucks stay on designated truck routes. Those leaving haul routes would be ticketed.
3. The system will create more opportunities to dispose of household hazardous waste safely through funding of additional HHW collection days.
4. It will reduce the HHW generation by teaching residents to use non-toxic alternatives rather than toxic household cleaners.
5. Landfill space will be preserved, with increased volumes and types of recyclables being collected.
6. Residents will learn a great deal from the educational programs geared towards them.
7. Commercial and industrial businesses will be participating in recycling programs to a greater degree, along with residents to preserve landfill space.
8. The system is economically feasible.
9. Preserving landfill space eliminates the need for new landfill construction which could be detrimental to the environment.
10. Convenient to the public, less separation required because more items are accepted.

DISADVANTAGES:

1. Recycling markets are very unstable.
2. Relies on landfill for primary disposal method.
3. System does not have any means to produce energy, except for the methane gas collections.
4. Multiple vehicles needed to service each site, increasing gasoline consumption and exhaust.
5. HHW collections are very expensive to run.

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.

Non-selected system number 1 (Status Quo alternative) was not selected, because, although Saginaw County has made great strides over the past five years in resource recovery, there is always room for improvement. Resource recovery has been increasing in Saginaw County as residents, commercial and industrial business owners learn about recycling and begin participating. However, there is more that can be done. The commercial and industrial sectors have never had much of a solid waste educational campaign geared towards them. They are very large generators of waste, and they have had limited exposure to resource recovery programs. This is the main reason this alternative was not selected. Saginaw County wants to have a more aggressive program that includes all waste generating sectors.

Non-selected system number 2 (Re-Use Center) was not selected for two major reasons. First, the goals set forth by the reuse center alternative were not very aggressive. It primarily left the system the way it currently is, with the exception of a larger percentage of waste being reused. Secondly, it would be very difficult to find a parcel of land and an organization willing to build and operate the center. Until an organization with a lot of resources comes forward and is interested in an idea of this nature, Saginaw County will have to explore other opportunities for resource recovery.

SYSTEM COMPONENTS: Alternative 1 - Status-Quo

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

RESOURCE CONSERVATION EFFORTS:

Resource conservation efforts are being promoted by charity organizations, who are always asking for donations of clothes, etc..

Some industries, like GM, reuse their waste products. For example, GM foundry sands are reused for molds after they are put through a "cleaning process".

VOLUME REDUCTION TECHNIQUES:

This is limited to the use of compactors used by haulers in their collection vehicles and on-site at the disposal areas.

RESOURCE RECOVERY PROGRAMS:

The SASWMA is promoting recycling and composting among the residential customers in communities that are members. Commercial and industrial customers only recycle if it is cost-effective. It is not mandatory. There are no promotions taking place, among these two sectors, other than efforts by haulers to promote their services and corporations internal environmental departments that may promote these programs.

COLLECTION PROCESSES:

Collections take place through private haulers for both commercial and industrial customers. In the residential sector, both private and public (City of Saginaw) haulers serve single family homes. Trash, recyclables and yard waste are all collected.

TRANSPORTATION:

Collection vehicles will take designated haul routes to the landfills for disposal. Some vehicles do not stay on haul routes, causing damage to local roads.

DISPOSAL AREAS:

There are three Type II landfills and one Type III landfill in Saginaw County. There are also landfills in Bay, Shiawassee, and Genesee Counties that accept Saginaw County waste. One of the Type II landfills in Saginaw County will be closing in 1999, shifting the disposal burden to

other landfills in the County and the region.

INSTITUTIONAL ARRANGEMENTS:

The SASWMA has contracts with haulers, disposal/processing areas and the municipalities for the collection and transport of trash, recyclables and yard waste to the landfills, recycling centers and composting sites.

Saginaw County has reciprocal agreements with four of the seven contiguous counties allowing waste to transfer between counties. Saginaw County has contracts with People's Garbage Disposal and Taymouth Landfill for guaranteed waste disposal capacity for twenty years.

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Educational programs about recycling are being offered by the SASWMA.

Backyard composting educational efforts are taking place, sponsored by SASWMA and MSU Extension.

The recycling hotline is available, through the County, for residents to use.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

The exact amount of costs associated with this system has not been determined. Many educational and resource recovery programs were scaled back or postponed in recent years, while waiting for the lawsuit to be settled and surcharge funds to be made available.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM: Alternative #1 - Status Quo

This non-selected system was evaluated to determine its potential for impacting human health, economics, the environment, 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.

Many of the effects and impacts are the same as the selected system. Detailed below are only the differences between the systems.

Public Health Effects

There is a risk to the public health in keeping everything the same way as it is today. That risk is the low rates of HHW collection. Household Hazardous Waste is being disposed of in the

landfills where it can become a public health threat if the liners fail and groundwater becomes contaminated.

Economics

This system does well economically. However, there are some recyclable materials in demand by the market that are not collected in this County.

Environmental Conditions

There is a slight risk to the environment if landfill liners fail because groundwater can be contaminated. Household Hazardous Waste is being thrown away in the regular trash and ends up in the landfills.

Siting Considerations

Landfills are very difficult to site due to public opposition. Saginaw County has contracts to guarantee capacity to meet disposal needs for at least ten years and will not need to site a new landfill. However the two landfills operating in Taymouth Twp. both have plans to expand. The landfill in James Twp. will be closing in 1999. This alternative will not require the purchase of additional land, but the landfills do have expansion plans within their boundaries.

Transportation

The haul routes that currently exist would continue to be utilized by the trucks. The biggest problem occurring is that many trucks do not stay on the designated haul routes. Most, if not all, of the haul routes are on all-weather roads, which can handle the large volume of heavy trucks. When trucks leave these routes and drive on roads not constructed for them, a lot of damage occurs. These local roads need repairs frequently and there is little money available.

For the most part, residents have been very satisfied with their collection service. However, there have been some complaints about haulers missing homes during their collections. When this happens it upsets the affected residents very much.

Energy Consumption/Production

This system produces a small amount of energy through the Taymouth Twp. landfills' methane gas recovery systems. The current solid waste management system uses a lot of energy in the form of fuel consumption to run all of the collection routes. There are separate collections for

trash, recyclables and yard waste.

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.

STATUS QUO ALTERNATIVE

ADVANTAGES:

1. Existing technology can handle the waste stream.
2. Existing facilities are capable of processing and/or disposing of the present waste stream.
3. Recycling markets are absorbing current volumes of collected materials.
4. Existing infrastructure can support system.
5. No acquisition of land required, although landfills have expansion plans within their boundaries.
6. Landfill cells are covered daily and health problems associated with loose debris and vermin are minimized.
7. Haul routes are along all weather roads.

DISADVANTAGES:

1. Recycling prices are higher than they need to be, because recycling is not being practiced to its fullest.
2. Trucks do not stay on the haul routes.
3. System does not produce much revenue from energy production.
4. Multiple vehicles needed to service each site, meaning consumption of large quantities of gas and outputs of exhaust.
5. Recycling is not practiced in all communities, nor is it at its potential in those communities that do because of disinterest or inconvenience.
6. Few opportunities to dispose of HHW safely; improper disposal can cause problems later on.

SYSTEM COMPONENTS: Alternative 3 - Re-use Center

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

RESOURCE CONSERVATION EFFORTS:

A re-use center would constitute a conservation effort. Re-using materials is a valid way to preserve landfill space. Promotions of this center would be geared towards the residential and the commercial sectors.

VOLUME REDUCTION TECHNIQUES:

This is limited to the use of compactors used by haulers in their collection vehicles and on-site at the disposal areas.

RESOURCE RECOVERY PROGRAMS:

The SASWMA is promoting recycling and composting among the residential communities that are members. Commercial and industrial customers only recycle if it is cost-effective. It is not mandatory. There are no promotions taking place in these two sectors, other than efforts by haulers to promote their services and corporations' internal environmental departments that promote these programs, if applicable.

COLLECTION PROCESSES:

Collections take place through private haulers for commercial and industrial customers. In the residential sector, both private and public (City of Saginaw) haulers service citizens. Trash, recyclables and yard waste are all collected.

TRANSPORTATION:

Collection vehicles will take designated haul routes to the landfills for disposal. Some vehicles do not stay on haul routes, causing damage to local roads.

DISPOSAL AREAS:

There are three Type II landfills and one Type III landfill in Saginaw County. There are also landfills in Bay, Shiawassee, and Genesee Counties that accept Saginaw County waste.

INSTITUTIONAL ARRANGEMENTS:

The SASWMA has contracts with haulers, disposal/processing areas and the municipalities for the collection and transport of yard waste and recyclables to the recycling centers and composting sites.

Saginaw County requires no formal agreements with the seven contiguous counties, although reciprocal agreements are preferred. Saginaw County has contracts with People's Garbage Disposal and Taymouth Landfill for guaranteed waste disposal capacity for twenty years from signing (Feb. 26, 1993).

EDUCATIONAL AND INFORMATIONAL PROGRAMS:

Educational programs about recycling are being offered by the SASWMA.

Backyard composting educational efforts are taking place via SASWMA and MSU Ext..

Household Hazardous waste educational programs would take place.

Recycling hotline would continue to be offered by the County to residents for recycling questions.

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Saginaw County does not have an exact cost for this system. However, the construction and operation of a reuse center would be expensive.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM: Alt. #3 - Reuse Center

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.

Many of the effects and impacts are the same as the selected system. Detailed below are only the differences between the systems.

Public Health Effects and Environmental Conditions

A reuse center would provide a place to bring items such as unused paint and cleaners (HHW) for

others to use instead of disposing of them in a landfill which could cause problems in the future for the environment and public health.

An improperly run re-use center could cause nuisance conditions, although the effects probably would be less than that of an improperly managed landfill.

Economics

Economically, the reuse center would probably not be a big success. It is basically a waste brokering business. It would be operated by a non-profit organization which would probably require an annual subsidy to cover its operating costs. Construction of the re-use center would require grants funding from public and private sources. No such sources have been identified.

Siting Considerations

A reuse center does not need to go through the formal siting process. It does need to comply with all local zoning and building regulations and receive approval from the local government. However, it may still receive public opposition if the proposed site is too small to accomodate proper screening and buffer distances.

Transportation

This alternative will require the purchase of land. A center like this should be built in an urban area of the County where the proper infrastructure is already in place.

Energy Consumption/Production

This alternative solid waste management system produces a small amount of energy through the landfills' methane gas recovery systems. The system uses a lot of energy in the form of fuel consumption to run all of the collection routes. There are separate collections for trash, recyclables and yard waste. This means that three times the amount of fuel is necessary to operate this system.

A reuse center would not produce any energy. The building would use energy for lighting, heating and cooling.

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.

REUSE CENTER

ADVANTAGES:

1. Existing technology is capable of handling the waste stream.
2. Building a reuse center would keep many hazardous items out of the landfills until they are used up and less of a hazard.
3. Landfill space will be preserved, limiting the need for additional landfills and expansions.
4. Some HHW would be diverted from the landfill and utilized in the reuse center.
5. Residents will see other segments of the community participating in resource recovery.
6. Schools and non-profits would benefit from use of these materials.

DISADVANTAGES:

1. Recycling markets are based on supply and demand.
2. Finding an organization that could have the resources to build and maintain a reuse center will be very difficult.
3. Multiple vehicles needed to service each site, meaning consumption of large quantities of gasoline and outputs of exhaust.
4. If the center is not maintained properly, it could cause nuisance problems.

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.

For any information regarding host community negotiations please contact:

Designated Planning Agency- can refer inquiries to local officials for each specific host community.
Saginaw County Metropolitan Planning Commission
400 Court St.
Saginaw, MI 48602
(517) 797-6800 phone

**Responsible for Publishing Public Notices:
Designated Planning Agency**

Saginaw County Metropolitan Planning Commission
400 Court St.
Saginaw, MI 48602
(517) 797-6800 phone
(517) 797-6809 fax

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

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

The purpose of Saginaw County's Public Participation Program is to identify and seek input from multiple perspectives throughout the solid waste planning process and the selection of resulting solid waste policies. There are several means to obtain this input. A combination of the following mechanisms formed the public participation process which was used in the development of the 1998-1999 Update.

1. **Public Notices.** The DPA was responsible for publishing all public notices. Public notices were posted at the Saginaw County Courthouse and also at the DPA office (Saginaw County Old Town Annex: County Planning Department), listing the dates, times and locations of the Solid Waste Management Planning Committee meetings through January of 1999. Notice of each meeting was sent to all County municipalities' chief elected officials and other interested parties as required by statute.

2. **The Saginaw County Metropolitan Planning Commission (SCMPC) Meetings.** The SCMPC meets on the third Tuesday of every month at 7:00 pm to discuss current issues that are taking place in the County. Each month there is a solid waste plan update. These meetings are open to the public, giving private citizens an opportunity to voice their concerns over solid waste issues.

3. **The Solid Waste Management Planning Committee (SWMPC) Meetings.** The SWMPC is a group of individuals with varying backgrounds in the issues of solid waste management and local government. The committee was appointed by the Saginaw County Board of Commissioners (BOC) in January of 1998. This committee met on Tuesdays at 1:30 pm once or twice a month (please see meeting information on following pages) in the County Courthouse. These meetings were all open to the public and comments were received at them.

5. **Public Hearings.** The DPA held a public hearing during the Planning Committee meeting on

June 9, 1998 at 1:30 pm in the Saginaw County Board of Commissioners room. The DPA presented data that had been compiled on the existing solid waste management systems and the goals and objectives. This meeting gave the public a chance to comment on the presented information early on in the process. Unfortunately, only one member of the public attended the meeting. There was also a public hearing held during the three month public comment period. Public hearings are also required for any plan amendments.

6. Distribution of Informational Packets. Informational packets, containing the findings of the DPA and the Solid Waste Committee were distributed to all area public libraries for easy public access, at least one week prior to the public hearing held during the public comment period.

7. Written Updates. The SWMPC provided written updates on the solid waste planning process to the Saginaw County Board of Commissioners, the SCMPC, local units of government, the media, and all interested citizens. These were written by Martin Seaman, Chairman of the Solid Waste Planning Committee and mailed out with the meeting notices.

8. Other Governmental Meetings. The DPA staff was available to meet with any local unit upon request to discuss these issues further. No meetings took place during the formation of the draft. However, during the public comment period, the DPA traveled around the County and gave presentations to the local units and explained the plan.

9. Contacts with the Solid Waste Planning Staff. The Saginaw County Solid Waste Management Plan was prepared by the staff of the Saginaw County Metropolitan Planning Commission. The planning materials were available for review at any time during regular office hours. Citizens wanting to ask questions or provide input to the solid waste planning process were encouraged to visit the County Planning office at 400 Court St. in Saginaw, or to call (517) 797-6800 during regular office hours (M-F 8:00am to 5:00pm).

These actions ensured the public had maximum access to the plan development process for the Saginaw County Management Plan Update. This increased access for local citizens to participate in solid waste planning helped residents to appreciate the solid waste resources and programs that are offered in the County. This increased local knowledge was helpful for the continuous improvement of Solid Waste plans and programs that serve the Saginaw area.

Public Meeting Schedule.

March 17, 1998	1:30 pm	Room 200 Courthouse
April 14, 1998	1:30 pm	Room 215 A&B Courthouse
May 12, 1998	1:30 pm	Room 200 Courthouse
June 9, 1998	1:30 pm	Room 200 Courthouse (PUBLIC HEARING)
June 30, 1998	1:30 pm	Room 200 Courthouse
July 14, 1998	1:30 pm	Room 200 Courthouse
July 28, 1998	1:30 pm	Room 200 Courthouse
August 11, 1998	1:30 pm	Room 215 A&B Courthouse
August 25, 1998	1:30 pm	Room 200 Courthouse
September 22, 1998	1:30 pm	Room 200 Courthouse
October 13, 1998	1:30 pm	Room 215 A&B Courthouse (Room change)
October 27, 1998	1:30 pm	Room 215 A&B Courthouse (Room change)
December 1, 1998	1:30 pm	Room 200 Courthouse
January 26, 1999	1:30 pm	Room 215 A&B Courthouse (Room change)
March 4, 1999	7:00 pm	Room 200 Courthouse (PUBLIC HEARING)
April 27, 1999	1:30 pm	Room 200 Courthouse
May 19, 1999	9:00 am	Room 215 A&B Courthouse



**Saginaw County Metropolitan
Planning Commission**

400 Court Street

Saginaw, Michigan 48602

Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: March 2, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, March 17, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: April 3, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, April 14, 1998 at 1:30 p.m. at the Saginaw County Courthouse, Room 216 A&B, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: May 1, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, May 12, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: May 29, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Public Hearing - Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, June 9, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.

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Saginaw County
Planning Commission
Saginaw County
Solid Waste Committee
1:30 p.m.
Tuesday, June 9, 1998
Saginaw County Courthouse
311 S. Michigan Avenue
Room 200
Saginaw, MI 48602
PUBLIC HEARING - TO
INFORM THE CITIZENS OF SAGINAW COUNTY ON THE WORK
PLAN AND PROGRESS OF THE
SAGINAW COUNTY SOLID
WASTE MANAGEMENT PLAN
UPDATE.
Persons wishing to review these
documents are encouraged to
contact the Saginaw County Metro-
politan Planning Commission at
311 Court Street, Saginaw, MI
48602 (517) 797-4000.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: June 19, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, June 30, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: July 1, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, July 14, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: July 17, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, July 28, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: July 29, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, August 11, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 215 A&B, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: August 14, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, August 25, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: September 10, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, September 22, 1999 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: October 1, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, October 13, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: October 16, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, October 27, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: November 20, 1998

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, December 1, 1998 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**

400 Court Street

Saginaw, Michigan 48602

Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: January 14, 1999

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The meeting is scheduled for Tuesday, January 26, 1999 at 1:30 p.m at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Villages and Cities
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: February 22, 1999

RE: **PUBLIC HEARING - DRAFT SOLID WASTE MANAGEMENT PLAN UPDATE**

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for the planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County plan will be discussed. This memo serves that purpose.

The public hearing is scheduled for **Thursday, March 4, 1999 at 7:00 p.m** at the Saginaw County Courthouse, Room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

Public comments are welcome at this meeting. Written comments are welcome until May 3, 1999 and can be sent to:

Saginaw County Planning
400 Court St.
Saginaw, MI 48602
Attn: Solid Waste Plan Comments

Persons wishing to review these documents are encouraged to contact the Planning Dept.

SAGINAW COUNTY METROPOLITAN PLANNING COMMISSION
OFFICE OF THE COUNTY PLANNER
400 Court Street
Saginaw, MI 48602
(517) 797-6800

TEN (10) DAY NOTICE FORM

STATE OF MICHIGAN
COUNTY OF SAGINAW

NOTICE IS HEREBY GIVEN THAT THERE WILL BE A MEETING OF THE:

SAGINAW COUNTY SOLID WASTE PLANNING COMMITTEE

on the 4th day of March, 1999

TIME: 7:00 P.M.

PLACE: SAGINAW COUNTY COURTHOUSE
111 S. MICHIGAN AVENUE
ROOM 200, BOARD OF COMMISSIONERS ROOM
SAGINAW, MI 48602

PURPOSE: **PUBLIC HEARING - REVIEW OF THE SAGINAW COUNTY
SOLID WASTE MANAGEMENT DRAFT PLAN.**

POSTED: Saginaw County Courthouse Security Desk
Saginaw County Metropolitan Planning Commission Office

DATE: February 22, 1999

TIME: 11:30 a.m.



Saginaw County Metropolitan Planning Commission
400 Court St.
Saginaw, MI 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Cities and Villages
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: April 15, 1999

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County Plan will be discussed. This memo serves this purpose.

The meeting is scheduled for Tuesday, April 27, 1999 at 1:30 pm at the Saginaw County Courthouse, Room 200, 111 S. Michigan Ave, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.



Saginaw County Metropolitan Planning Commission
400 Court St.
Saginaw, MI 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

TO: Saginaw County Solid Waste Planning Committee
Saginaw County Townships, Cities and Villages
Other Interested Parties

FROM: Christina Pecoraro, Associate Planner

DATE: May 7, 1999

RE: Saginaw County Solid Waste Planning Committee Meeting
Solid Waste Management Plan Update

Saginaw County is in the process of preparing a new Solid Waste Management Plan Update. This office has been named by the Board of Commissioners as the Designated Planning Agency (DPA) for planning process. The DPA must notify the chief elected municipal officials and other interested parties of each public meeting where the County Plan will be discussed. This memo serves this purpose.

The meeting is scheduled for Monday, May 19, 1999 at 9:00 am at the Saginaw County Courthouse, Room 215 A&B, 111 S. Michigan Ave, Saginaw, MI 48602.

If you are unable to attend or have any questions, please feel free to contact me.

~~This page left blank for Solid waste planning committee letter/resolution of plan acceptance.~~

SEE ATTACHED

SAGINAW COUNTY SOLID WASTE COMMITTEE

MINUTES OF THE MEETING

Tuesday, June 1, 1999
Saginaw County Governmental Center (Courthouse)
111 S. Michigan Avenue
Room 200
Saginaw, MI 48602

I. ROLL AND INTRODUCTION OF GUESTS

Members Present

Mary Fischer
Michelle Hurd-Riddick
Jerry Humpula
Don McInerney
Michael O'Hare
Martin Seaman
Jeff Tucker

*excused

Members Absent

Tom Bailey
Tom Kerr*
Sue Fortune
Del Schrems
Robert Schroeder

Staff Present

Vanessa Farr
Laura McClean
William Wright

Guests Present

Russ Taylor, Tittabawassee Township

II. PUBLIC COMMENT

Russ Taylor, Tittabawassee Township, agreed with the Authority that it was important for the County to share the financial information with the Authority as well as all municipalities.

III. OLD BUSINESS

- A. Review and Approve the minutes from April 27, 1999.

Motion made by Humpula, seconded by Hurd-Riddick, to approve the minutes of the April 27, 1999. Motion carried.

- B. Other

None

IV. NEW BUSINESS

A. Correspondence

1. Letter from Antrim County including a resolution to express their concern regarding the merger of the solid waste disposal companies resulting in Waste Management being practically the sole supplier of the services and resulting in the elimination of competition in Northern Michigan. Antrim County will be sending a letter of concern to state legislators and the Attorney General.

A copy of this correspondence is available. Please contact the Saginaw County Planning Department (DPA) office if needed.

B. Subcommittee Report

The Subcommittee met on May 6, 1999 to discuss the surcharge funding recommendation as requested by the SASWMA. Hurd-Riddick updated the Solid Waste Committee on that meeting. After discussion the Committee adopted the following resolution and instructed Wright to forward it to the Saginaw County Board of Commissioners.

That the County of Saginaw give full accounting to the Solid Waste Committee on the revenue and expenditures of the Solid Waste millage and surcharge including wages, capital, legal, educational and administrative activities. The committee requests this information to be returned within a 14-day period.

Moved by Hurd-Riddick, seconded by O'Hare, to adopt and forward the resolution to the Saginaw County Board of Commissioners. Motion carried.

C. Review and Approve changes to the plan based on comments

Moved by Humpula, seconded by McInerney, to accept the amended Solid Waste plan as presented by staff. Motion carried.

Moved by O'Hare, seconded by McInerney to adopt the Saginaw County Solid Waste Management Plan update and also to send a copy of the Plan to the Board of Commissioners for approval. 6 yeas, 1 nay. Motion carried.

V. Adjournment

Moved by Hurd-Riddick, seconded by Fischer, to adjourn the meeting at 2:40 p.m. Motion carried.

~~This page left intentionally blank for Board of Commissioners resolution of acceptance of the plan.~~

FROM: COMMITTEE ON COUNTY SERVICES -- 1.2

JUNE 22, 1999

We herewith submit the First Draft of the Saginaw County Solid Waste Management Plan Update (Communication 6-22-13) as prepared by the Saginaw County Planning Department (as the County's designated agency) and Solid Waste Planning Committee. (Solid Waste Plan Update previously distributed)

In accordance with Part 115, P.A. 451, of 1994, as amended, all counties in the State of Michigan are to have an individual Solid Waste Management Plan; and are to prepare a Plan Update every five years. The Solid Waste Plan / Update delineates existing and projected waste generation rates, existing disposal resources, a methodology for reviewing proposed new and expanded sites for compliance with the Plan, a short term five year implementation Plan, long term twenty year plan, long term disposal needs, management responsibilities and alternative systems feasibilities.

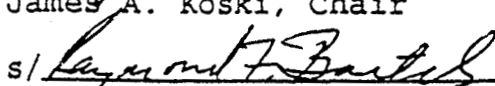
Upon approval by this Board, the Plan Update is distributed to all the local municipalities for formal consideration. Approval of at least two-thirds (24) of the (35) local units is necessary prior to forwarding the Plan Update to the State for final approval.

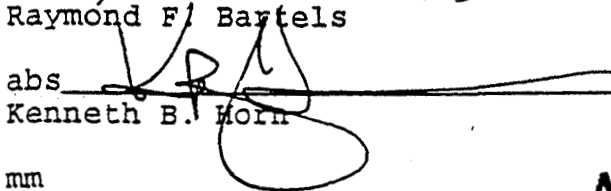
It is the recommendation of your committee that the Saginaw County Solid Waste Management Plan Update be approved, as submitted by the Saginaw County Planning Department. We further recommend upon approval by two-thirds of the local governmental units, the Solid Waste Management Plan Update be forwarded to the Department of Environmental Quality for final approval.

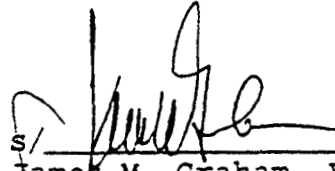
Respectfully submitted,

COMMITTEE ON COUNTY SERVICES

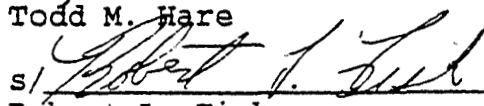
s/ 
James A. Koski, Chair

s/ 
Raymond F. Bartels

abs 
Kenneth B. Horn

s/ 
James M. Graham, Vice-Chair

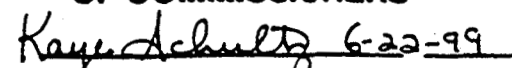
s/ 
Todd M. Hare

s/ 
Robert L. Fish

mm

APPROVED

**SAGINAW COUNTY BOARD
OF COMMISSIONERS**


Kaye Schultz, Attested Board Coordinator/Deputy Clerk

C-25

The County's 35 municipalities are listed below. By law, the Saginaw County Solid Waste Management Plan Update must be approved by 67% of the local municipalities. The results were compiled and are listed below. To view actual resolutions, please contact the DPA.

Municipality	Approve	Deny	Municipality	Approve	Deny
Albee Twp.	12-12-99		Kochville Twp.	12-20-99	
Birch Run Twp.	4-10-00		Lakefield Twp.		
Birch Run Vill.	9-28-99		Maple Grove Twp.	12-20-99	
Blumfield Twp.	3-23-00		Marion Twp.		
Brady Twp.			Oakley Vill.		
Brant Twp.			Richland Twp.	12-13-99	
Bridgeport Twp.	9-7-99		Saginaw City		
Buena Vista Twp.			Saginaw Twp.	10-25-99	
Carrollton Twp.	9-8-99		Spaulding Twp.	4-17-00	
Chapin Twp.			St. Charles Twp.	9-14-99	
Chesaning Twp.	12-4-99		St. Charles Vill.	11-8-99	
Chesaning Vill.			Swan Creek Twp.	12-13-99	
Frankenmuth City	9-7-99		Taymouth Twp.	11-5-99	
Frankenmuth Twp.	12-20-99		Thomas Twp.	9-8-99	
Fremont Twp.	12-13-99		Tittabawassee Twp.	8-11-99	
James Twp.	12-13-99		Zilwaukee City	1-4-00	
Jonesfield Twp.	12-20-99		Zilwaukee Twp.	2-8-00	

Here is an attendance list for all of the Solid Waste Management Planning Committee meetings.

March 17, 1998

Tom Bailey
Mary Fisher
Jerry Humpula
Michelle Hurd-Riddick
Ray Ilkka
Tom Kerr
Don McInerney
Mike O'Hare
Marty Seaman
Del Schrems
Robert Schroeder
Jeff Tucker
Laura McClean
Christina Pecoraro
Len Ballosh

April 14, 1998

Tom Bailey
Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Don McInerney
Mike O'Hare
Marty Seaman
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright

May 12, 1998

Tom Bailey
Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Don McInerney
Mike O'Hare
Marty Seaman
Robert Schroeder
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright
Ray Bartels
Len Ballosh
Robert Fish
Jon Mersman

June 9, 1998

Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Mike O'Hare
Del Schrems
Robert Schroeder
Marty Seaman
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright
Adam Young
Kim Winchell

June 30, 1998

Tom Bailey
Mary Fisher
M. Hurd-Riddick
Ray Ilkka
Don McInerney
Mike O'Hare
Marty Seaman
Robert Schroeder
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright
Len Ballosh

July 14, 1998

Tom Bailey
Mary Fisher
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Mike O'Hare
Del Schrems
Marty Seaman
Robert Schroeder
Laura McClean
Christina Pecoraro
Bill Wright
Len Ballosh
Don Meineke

July 28, 1998

Mary Fisher
Ray Ilkka
Tom Kerr
Mike O'Hare
Jeff Tucker
Marty Seaman
Laura Hartman
Laura McClean
Christina Pecoraro
Bill Wright
Adam Young
Richard Mallette
Don Meineke
Arnold Vrable

August 11, 1998

Tom Bailey
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Don McInerney
Mike O'Hare
Marty Seaman
Jeff Tucker
Sherry Mendyk
Christina Pecoraro

August 25, 1998

Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Don McInerney
Robert Schroeder
Marty Seaman
Jeff Tucker
Vanessa Farr
Laura McClean
Christina Pecoraro
Bill Wright
Robert Belleman
Don Meineke

September 22, 1998

Tom Bailey
Mary Fisher
Sue Fortune
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Don McInerney
Marty Seaman
Jeff Tucker
Vanessa Farr
Christina Pecoraro
Bill Wright
Marcia Strong

October 13, 1998

Tom Bailey
Mary Fisher
Sue Fortune
Ray Ilkka
M. Hurd-Riddick
Mike O'Hare
Tom Kerr
Del Schrems
Laura McClean
Christina Pecoraro
Bill Wright
Ibraheem Alshunhar
Len Ballosh
Terry Cooney
Robert Corrin
Jon Mersman

October 27, 1998

Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Don McInerney
Mike O'Hare
Del Schrems
Robert Schroeder
Marty Seaman
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright
Ibraheem Alshunhar
Jon Mersman
Rich Popp
John Prusko

December 1, 1998

Tom Bailey
Mary Fisher
M. Hurd-Riddick
Ray Ilkka
Don McInerney
Mike O'Hare
Del Schrems
Marty Seaman
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright
Robert Belleman
Steve Jessmore
Don Meineke

January 26, 1999

Tom Bailey
Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Don McInerney
Mike O'Hare
Del Schrems
Jeff Tucker
Laura McClean
Christina Pecoraro
Bill Wright

March 4, 1999

Mary Fisher
Jerry Humpula
M. Hurd-Riddick
Ray Ilkka
Tom Kerr
Mike O'Hare
Marty Seaman
Jeff Tucker
Christina Pecoraro
Bill Wright
Ernst Wuckert
Len Ballosh
Jerry Francis
Marcia Strong

April 27, 1999

Tom Bailey
M. Hurd-Riddick
Tom Kerr
Mike O'Hare
Marty Seaman
Bob Schroeder
Jeff Tucker
Christina Pecoraro
Bill Wright
Robert Belleman
John Malzahn
Carrie Spencer

Attendance continued:

June 1, 1999

Mary Fischer
M. Hurd-Riddick
Jerry Humpula
Don McInerney
Mike O'Hare
Marty Seaman
Jeff Tucker
Vanessa Farr
Laura McClean
William Wright
Russ Taylor



City of Frankenmuth

Michigan's Little Bavaria

September 8, 1999

Mr. William W. Wright, Director
Saginaw County Metropolitan Planning Commission
400 Court Street
Saginaw, MI 48602

Dear Bill:

Enclosed is a certified copy of a resolution adopted by the Frankenmuth City Council approving the County's Solid Waste Management Plan.

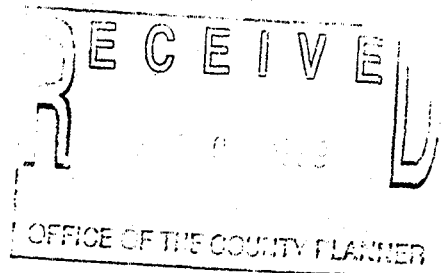
The only comment the City Council had for your consideration is a recommendation that the Saginaw County Commissioners adopt an ordinance mandating some type of recycling program in all communities in the County. This should help in the pursuit of the goal of having less materials going into the landfills.

Let me know if you need anything else pertaining to this subject matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charlie Graham".

Charlie Graham
City Manager



240 West Genesee Street
Frankenmuth, Michigan 48734-1398

Phone: 517-652-9901
Fax: 517-652-3451



MEMBER MICHIGAN MUNICIPAL LEAGUE

R E S O L U T I O N N O. 99-86

A RESOLUTION APPROVING THE SAGINAW
COUNTY SOLID WASTE MANAGEMENT PLAN

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF FRANKENMUTH,
that:

The City Council hereby approves the Saginaw County Solid Waste
Management Plan dated June 1, 1999, as approved by the Saginaw
County Board of Commissioners.

Action Approved

Date 09-07-1999


GARY C. RUPPRECHT, MAYOR

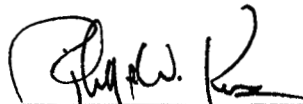

PHILLIP W. KERNS, CLERK



City of Frankenmuth

Michigan's Little Bavaria

I, Phillip W. Kerns, City Clerk of the
City of Frankenmuth, hereby certify that the foregoing
is a true and complete copy of a resolution adopted by
the City Council of the City of Frankenmuth, Michigan,
at a regular meeting of the City Council held
on the 7th day of September, 19 99.


CITY CLERK

September 8, 1999
Date

SEAL



240 West Genesee Street
Frankenmuth, Michigan 48734-1307

Phone: 517-652-9901
Fax: 517-652-3451

MEMBER MICHIGAN MUNICIPAL LEAGUE

Carrollton Township

1645 MAPLERIDGE
SAGINAW, MI 48604-1798

OFFICE
(517) 754-4611

DEPT. OF PUBLIC SERVICES
(517) 754-8076

POLICE DEPT.
(517) 754-9244

FAX
(517) 754-5705

September 8, 1999

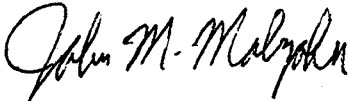
William W. Wright, Director
Saginaw County Metropolitan Planning Commission
400 Court Street
Saginaw, MI 48602

Dear Bill,

During the regular meeting of the Carrollton Township Board on August 30, 1999, a motion was made and approved to accept the 1998/1999 update to the Saginaw County Solid Waste Management plan.

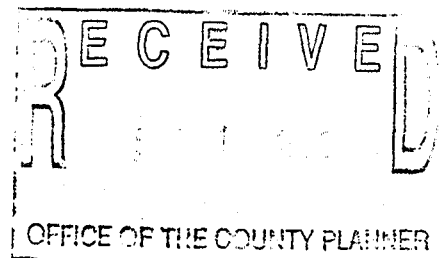
If I may be of further assistance in this matter, please feel free to contact this office.

Sincerely,



John M. Malzahn, Superintendent
Department of Public Services

JMM/bjb





September 8, 1999

Christina Pecoraro, Associate Planner
Saginaw County Metropolitan Planning Commission
400 Court St.
Saginaw, MI 48602

Dear Ms. Pecoraro:


The Thomas Township Board unanimously approved the Saginaw County Solid Waste Management Plan 1998/99 Update at its regular meeting on Sept. 8, 1999.

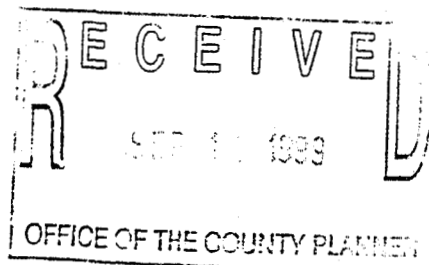
A copy of the minutes of that meeting are attached.

If you have any questions, please feel free to call me at 781-0150.

Sincerely,

THOMAS TOWNSHIP


Marcia Strong, Manager



THOMAS TOWNSHIP
REGULAR BOARD MEETING
249 N. Miller Road, Saginaw
September 7, 1999 7 p.m.

DRAFT

The Regular Board Meeting was called to order at 7:00 p.m. by Supervisor Stevens.

PRESENT: Witt, Engel, Armstrong, Weise, Brosowski, Stevens, and Weber.

ABSENT: None.

ALSO PRESENT: Manager Marcia Strong; Police Chief Steven Kocsis; DPW Director Tom Krueger; Parks Director Shelly Stolsmark; Finance Coordinator Deidre Frolo; Deputy Treasurer Korina Jean; Township Attorney Otto Brandt; Deputy Clerk Stephanie Beyersdorf; and approximately thirty interested parties.

Pledge of Allegiance was recited.

AGENDA
THOMAS TOWNSHIP REGULAR BOARD MEETING
September 7, 1999
7:00 p.m.

REGULAR MEETING

Call to Order

Roll Call

Pledge of Allegiance

Approval of Agenda

Consent Agenda

Approval of Township Board Minutes August 2, 1999

Receive and File Minutes Planning Commission, Zoning Board of Appeals, and Park & Recreation Commission

Approval of Expenditures

Accept Resignations-Fire Department

Communications-Petitions-Citizens Comments

It is requested that you state your name and address for the record.

Public Hearing Lone Road Water Extension Special Assessments

Unfinished Business

Thomas Plaza Sanitary Sewer

New Business

Resolution 99-15 Lone Road Water Extension Special Assessments

Lone Road Water Extension Construction

Sidewalk Snow Removal

SEIU Contract Ratification

Fire Fighter Appointments

Solid Waste Plan

River Road Storm Drain

Retirement Program Non-Bargaining Unit Employees

Reports-

Supervisor Manager

Manager

Fire Department

Clerk

Community Development

Police Department

Treasurer

Finance

Parks and Recreation

DPW

Board Member Comments

Executive Session

Negotiation Strategies POLC

Periodic Performance Evaluation Manager (no motion required)

Adjournment

It was moved by Armstrong, seconded by Brosowski to approve the agenda as amended, with the addition of receiving Zoning Board of Appeals minutes, removal of sidewalk snow removal, and the addition of a periodic performance evaluation of the manager. Carried unanimously.

It was moved by Engel, seconded by Weise to approve the consent agenda, which included the following:
Township Board Minutes August 2, 1999.

DRAFT

unanimously.

It was moved by Armstrong, seconded by Weise to hire Scott Rousseau, Mike Reining, Tom Stoddard, Doug Weeks, Joe Giacoletti, Jenice Bentley, and Sheila Anderson as probationary fire fighters contingent upon passing the fire department hiring process. Carried unanimously.

It was moved by Brosowski, seconded by Engel to approve the Saginaw Solid Waste Management Plan as presented. Carried unanimously.

It was moved by Armstrong, seconded by Witt to approve the expenditure of \$6,000 as the township's share of construction of a storm drain on the west side of River Road between the Macomber Drain and the Tittabawassee River. Carried unanimously.

It was moved by Weber, seconded by Witt to approve effective May 1, 1999, an increase from 9% to 10% for the employer contribution to the pension plan for those employee classifications currently in the plan and not covered by a collective bargaining agreement. Carried unanimously.

REPORT OF OFFICERS AND STAFF:

Supervisor's Report: None.

Clerk's Report: None.

Treasurer's Report: None.

Manager's Report: Receive & file Manager Report.

Receive & file Community Development Report.

Receive & file Finance Department Report.

Receive & file Fire Department Report.

Receive & file Police Department Report.

Receive & file Parks & Recreation Department Report.

It was moved by Brosowski, seconded by Witt to go into executive session at 7:55 p.m. for the purpose of conducting a strategy session relative to negotiating of a collective bargaining agreement with POLC.

ROLL CALL VOTE:

Yeas: Engel, Armstrong, Weber, Witt, Brosowski, Stevens, and Weise.

Nays: None.

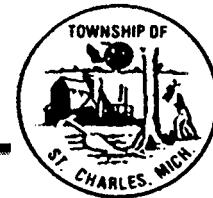
Absent: None.

Carried.

It was moved by Armstrong, seconded by Witt to return from executive session at 9:58 p.m.

ROLL CALL VOTE:

St. Charles Township



100 North Saginaw Street • St. Charles, MI 48655 • (517) 865-9010 • (517) 865-9099

September 14, 1999

William W. Wright
400 Court St.
Saginaw, MI 48602

Dear Mr. Wright:

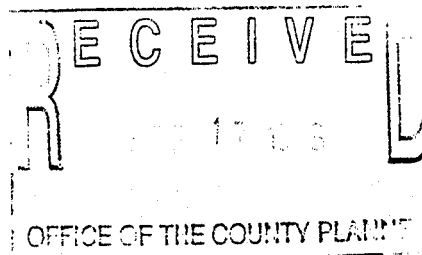
At the regular meeting of the St. Charles Township Board held Monday, September 13, 1999, the board unanimously approved the 1999 Solid Waste Management Plan as approved by the Saginaw County Board of Commissioners.

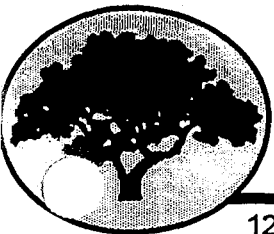
If you need further information from us, please contact our office again, 865-9010.

Sincerely,

Elaine Rolando

Elaine Rolando, Clerk
St. Charles Township





Village of Birch Run

12060 Heath Street • P.O. Box 371 • Birch Run, MI 48415

(517) 624-5711 • Fax: (517) 624-9681

September 28, 1999

William Wright, Director
Saginaw County Planning Commission
400 Court Street
Saginaw, Michigan 48602

RE: SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN

Dear Bill:

At its meeting last night, the Birch Run Village Council adopted Resolution #99-35, which approved the Saginaw County Solid Waste Management Plan 1998/1999 Update. Attached herewith is a copy of Resolution #99-35.

I would like to congratulate you and the members of the Solid Waste Management Planning Committee for your efforts in updating this Plan. The Saginaw County Solid Waste Management Plan is an excellent, well-prepared document.

Should you have any questions or need additional information, please feel free to contact me at (517) 624-5711.

Sincerely,

Robert V. Belleman
DDA Director/Village Manager

**Village Council
Resolution #99-35
September 27, 1999**

Council member Gibson moved to adopt the following resolution; seconded by Council member Hobson.

WHEREAS, the National Resource and Environmental Protection Act (NREPA), 1994 PA 451, as amended, Part 115 Solid Waste Management, and its Administrative Rules, require that each County have a Solid Waste Management Plan Update approved by the Michigan Department of Environmental Quality (DEQ); and

WHEREAS, Saginaw County Board of Commissioners, in January 1998, appointed a fifteen (15) member Solid Waste Management Planning Committee, which consisted of the following representatives: (4) solid waste management industry; (1) industrial waste generator; (2) environmental interest groups active within the County; (1) county government; (1) township government; (1) city government; (1) regional solid waste planning agency; and (3) general public residing in Saginaw County; and

WHEREAS, the Solid Waste Management Planning Committee held seventeen (17) public meetings during the past year and a half to receive input on the proposed Saginaw County Solid Waste Management Plan Update; and

WHEREAS, public hearings on the proposed Plan Update were held on June 9, 1998 and on March 4, 1999; and

WHEREAS, Saginaw County Solid Waste Management Planning Committee has submitted a copy of the proposed Solid Waste Management Plan Update to the Village of Birch Run for its review; and

WHEREAS, a summary of the document is attached herewith for your review; and

WHEREAS, two thirds of the local units in Saginaw County must approve the proposed Solid Waste Management Plan Update before it can be submitted to the Michigan Department of Environmental Quality (DEQ); and

WHEREAS, it is the recommendation to the DDA Director/Village Manager that the Birch Run Village Council approve the proposed Saginaw County Solid Waste Management Plan Update.

NOW, THEREFORE, BE IT RESOLVED, that the Birch Run Village Council, by an affirmative vote of its members, does hereby approve the proposed Saginaw County Solid Waste Management Plan 1998/1999 Update, as

dated June 1, 1999.

BE IT FURTHER RESOLVED, that a certified copy of this Resolution be forwarded on to the Saginaw County Solid Waste Management Planning Committee for its use.

Adopted/Rejected

CERTIFIED TO BE A TRUE AND CORRECT COPY

Carol J. Worden 9/28/99
CLERK, VILLAGE OF BIRCH RUN, MICH DATE

**RESOLUTION TO ADOPT THE
SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN 1998/1999
UPDATE**

SAGINAW CHARTER TOWNSHIP

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

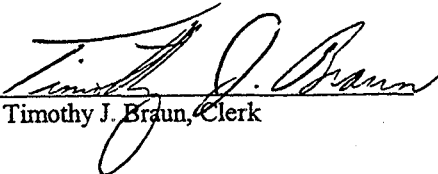
WHEREAS, Act 451 further requires that each county's Solid Waste Management Plan and its amendments must be adopted by at least two thirds of the local units of government (cities, villages and townships) within the county; and

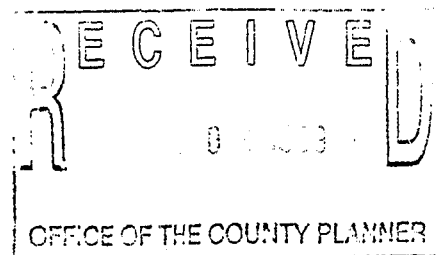
WHEREAS, the Saginaw County Solid Waste Management Planning Committee has updated the Solid Waste Management Plan which addresses all of the required material as specified by act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan 1998/1999 Update has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that Saginaw Charter Township Board of Trustees of Saginaw County, State of Michigan, does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

DATED: October 25, 1999


Timothy J. Braun, Clerk



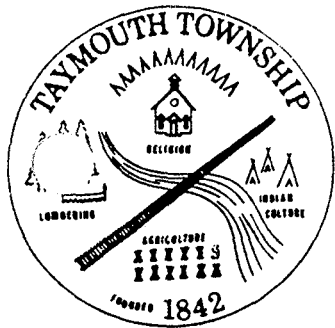
OCT 29 1999
SAGINAW COUNTY
RECEIVED

STATE OF MICHIGAN)
) SS
COUNTY OF SAGINAW)

I, TIMOTHY J. BRAUN, the duly qualified and acting Clerk of Saginaw Charter Township, Saginaw County, Michigan, (the "Township") do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Saginaw Charter Township Board, at a regular meeting held on October 25, 1999, the original of which is on file in my office. Public notice, if required, of said meeting was given pursuant to and in compliance with Act 267, Public Acts of Michigan, 1976, as amended, including in the case of a special or rescheduled meeting, notice by publication or posting at least eighteen (18) hours prior to the time set for the meeting.

IN WITNESS WHEREOF, I have hereto affixed by official signature on the 25th day of August, 1999.

TIMOTHY J. BRAUN
Saginaw Charter Township Clerk



TAYMOUTH TOWNSHIP

4343 E. Birch Run Rd. · P.O. Box 231
Birch Run, MI 48415-0231
Phone 517-624-4159 · Fax 517-624-5466

November 5, 1999

From: G. Thomas Kerr, CMAE2, PPE
Supervisor/Assessor
4343 E. Birch Run Road
P.O. Box 387
Birch Run, MI 48415

To: Saginaw County Metropolitan Planning Commission
400 Court Street
Saginaw, MI 48602

Att: Bill Wright

Dear Mr. Wright:

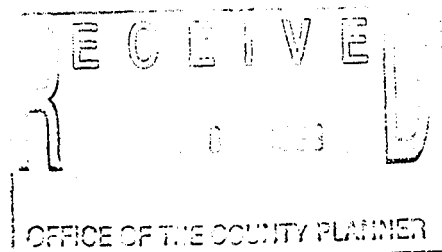
I am writing to inform you that on November 3, 1999 at a special meeting of the Taymouth Township Board, action was taken to approve the Saginaw County Solid Waste Management Plan.

Please accept this letter as notice of Taymouth Townships approval of the plan.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Thomas Kerr".

G. Thomas Kerr, CMAE2, PPE
Supervisor/Assessor



RESOLUTION #99-11**RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID
WASTE MANAGEMENT PLAN****VILLAGE OF ST. CHARLES**

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Village Council of the Village of St. Charles does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

So be it Resolved on this 11th day of August, 1999

Approved: William E. Adams
William E. Adams, President

Attest: Christine M. Savage
Christine M. Savage, Clerk

RESOLUTION 14-99

RESOLUTION TO ADOPT THE SAGINAW COUNTY WASTE MANAGEMENT PLAN

At a regular meeting of the Richland Township Board of Trustees held in the Township of Richland, Saginaw County, Michigan, on the 13th day of December 1999, at 7:30 p.m., Michigan Time.

PRESENT: Frederick L. Clark Dan Pruess
David H. Schafer John Shields
Kathleen Rohde
ABSENT: None

John Shields offered the following resolution and moved for its adoption. The motion was seconded by Kathleen Rohde:

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

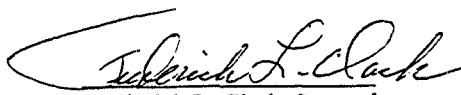
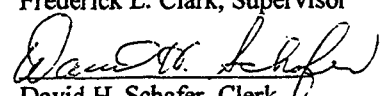
WHEREAS, Act 451 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government (cities, villages, and townships) within the county; and

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Richland Township Board of Trustees does hereby approve and adopt the 1998/1999 Update of the Saginaw County Waste Management Plan.

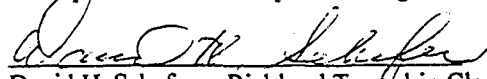
Resolution declared adopted.


Frederick L. Clark, Supervisor

David H. Schafer, Clerk

CERTIFICATION

STATE OF MICHIGAN
COUNTY OF SAGINAW

I, the undersigned, the duly qualified and acting Clerk of Richland Township, Saginaw County, Michigan, do hereby certify that the foregoing is a true and complete copy of the proceedings taken at a regular meeting of the Board of Trustees held on the 13th day of December, 1999, the original of which is on file in my office. I further certify that notice of said meeting was given in accordance with the provisions of the Open Meetings Act.


David H. Schafer Richland Township Clerk

Maple Grove Township

17010 Lincoln Rd. • New Lothrop, Michigan 48460
Saginaw County

Supervisor:

Charles Wendling
17600 Lincoln Rd.
New Lothrop, MI 48460
(517) 845-6724

Clerk:

James Gross
1159 Ditch Rd.
New Lothrop, MI 48460
(810) 638-5144

Treasurer:

Dale Drexler
2689 Peet Rd.
New Lothrop, MI 48460
(810) 639-6801

Office:

Mon. & Thurs.
12:00 to 5:00 p.m.
Phone: (517) 845-6155
Fax: (517) 845-3554

Resolution # 1999-12

Resolution to adopt the Saginaw County solid waste management plan

Township of Maple Grove

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties: and

WHEREAS, Act 451 further requires that each county's Solid waste Management plan must be adopted by at least two thirds of the local units of government within the county: and

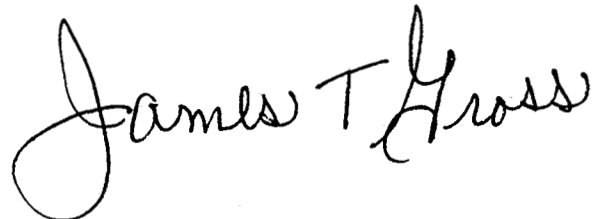
WHEREAS, the Saginaw County solid waste management planning committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources: and

WHEREAS, the Saginaw County solid waste management plan has been approved by the Saginaw County board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the township of Maple Grove, Saginaw County does hereby approve and adopt the 1998/1999 Update of the Saginaw County solid waste management plan.

James T. Gross
Maple Grove Township
Clerk

Adopted at a regular township board meeting held on Monday December 20th
1999



RESOLUTION NO. 99-5

**RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT
PLAN**

TOWNSHIP OF ALBEE

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Act 451 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government within the county; and

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, The Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

NOW THEREFORE, BE IT RESOLVED by the Township of Albee Board of Trustees does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

RESOLUTION DECLARED ADOPTED:

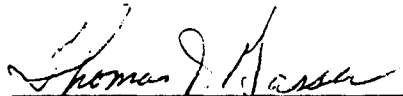
YEAS: FIVE

NAYS: NONE

ABSTENTIONS: NONE

STATE OF MICHIGAN)
COUNTY OF SAGINAW) SS

I, the undersigned, the duly qualified and acting Township of Albee Clerk, Saginaw County, Michigan, do hereby certify that the foregoing is a true and complete copy of proceedings taken at a REGULAR meeting of the Township Board, held on the 12th day of December, 1999.


Thomas J. Gasser, Clerk
Township of Albee

RESOLUTION TO ADOPT
THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN
TOWNSHIP OF FREMONT

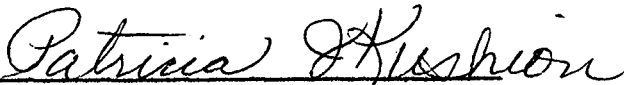
WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw county citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Board of the Township of Fremont does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan at the regular Board meeting held on the 13th of December, 1999.


Patricia J. Kusion
Fremont Township Clerk

RECEIVED
SAGINAW COUNTY PLANNING

RESOLUTION TO ADOPT
THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN
CITY OF ZILWAUKEE

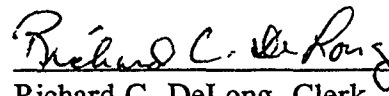
WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Council of the City of Zilwaukee does hereby approve and adopt the 1998/1999 update of the Saginaw County Solid Waste Management Plan.


Richard C. DeLong, Clerk
City of Zilwaukee

Adopted at a meeting of the Zilwaukee City Council held on January 4, 2000.

RECEIVED

JAN 10 2000

CITY OF ZILWAUKEE

Township of James

Resolution to adopt the Saginaw County Solid Waste Management Plan

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

WHEREAS, Public Act 451 further requires that each county's Solid Waste Management Plan must be adopted by at least two thirds of the local units of government within the county; and

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Public Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEREFORE BE IT RESOLVED,

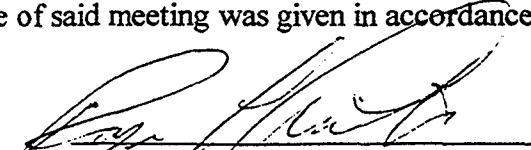
that the township board of James Township does hereby approve and adopt the 1998/1999 update of the Saginaw County Solid Waste Management Plan at the December 13, 1999 general meeting.

YEAS: 5 NAYS: 0 Resolution declared adopted.

CERTIFICATION

STATE OF MICHIGAN)
COUNTY OF SAGINAW) SS

I, the undersigned, the duly qualified and acting Clerk of James Township, Saginaw County, Michigan, do hereby the foregoing is a true and complete copy of the proceedings taken at a monthly meeting of the Board of Trustees held on the 13th day of December, 1999, the original of which is on file in my office. I further certify that notice of said meeting was given in accordance with the provisions of the Open Meetings Act.


Roger L. Eickon, Clerk

FRANKENMUTH TOWNSHIP BOARD RESOLUTION 99-3
RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

NOW THEREFORE BE IT RESOLVED, that the Township Board of the Township of Frankenmuth does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

CERTIFICATION OF TOWNSHIP CLERK

I, Paul F. Bergdolt, as clerk of the Township of Frankenmuth, hereby certify that the foregoing resolution was by a majority vote, adopted by the said Township Board, at its regular meeting held on Monday, December 20, 1999, at the Township Office, 218 W. Genesee St., Frankenmuth, Michigan.

Dated: December 20, 1999



Paul F. Bergdolt, Clerk
Frankenmuth Township

**RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT
PLAN - TOWNSHIP OF KOCHVILLE**

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN, THEREFORE BE IT RESOLVED, that the Township of Kochville does hereby approve and adopt the 1998/99 update of the Saginaw Solid Waste Management Plan.

The following individuals are hereby appointed **Patricia Bourdow** as constituent member and **Edward Allington** as alternate constituent member, of this Township.

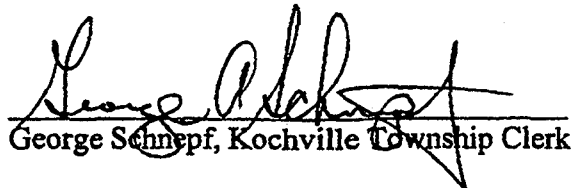
Roll Call as follows: Edward H. Allington - aye
George Schnepf - aye
Neil Hammerbacher - aye
Patricia Bourdow - aye

Resolution declared adopted.

CERTIFICATION

STATE OF MICHIGAN)
COUNTY OF SAGINAW) SS

I, the undersigned, the duly qualified and acting Clerk of Kochville Township, Saginaw County, Michigan, do hereby certify that the foregoing is a true and complete copy of the proceedings taken a regular meeting of the Board of Trustees held on the 20th day of December, 1999, the original of which is on file in my office. I further certify that notice of said meeting was given in accordance with the provisions of the Open Meetings Act.


George Schnepf, Kochville Township Clerk

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID**WASTE MANAGEMENT PLAN (1998-99 UPDATE)****TOWNSHIP OF ZILWAUKEE, COUNTY OF SAGINAW****STATE OF MICHIGAN**

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township Board of the Township of Zilwaukee does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

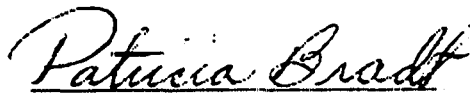
CERTIFICATION

I hereby certify that the forgoing is a true, complete and correct copy of a Resolution of the Township of Zilwaukee adopted at a regular meeting of the Township Board of said Township held on Tuesday, the 8th day of February, 2000 by the following roll called vote:

Ayes: 4

Nays: 0

Absent: 1



Patricia Bradt,
Zilwaukee Township Clerk

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN
CITY/VILLAGE/TOWNSHIP OF Spaulding

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the Township (township / village / city) Board (board / council / commission) of the Township of Spaulding does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

Richard E. Leach

Richard E. Leach, Clerk
Spaulding Township
April 17, 2000

10. New Business

- A. Moved by Hayes, seconded by Averill to approve Resolution R-99-33 requesting the SCRC to consider placing "No Parking" signs along Church Street.

**Resolution R-99-33
"No Parking" Signs
on Church Street**

Roll Call vote:	R. Averill	Yes
	R. DuCharme	No
	K. Kasper	No
	R. Hayes	No
	P. Vasold	No
	P. Shaver	Absent
	M. Knoerr	Yes

*Tittabawassee
Twp*

- Moved by Hayes, seconded by DuCharme to approve the agreement between American Excavating and Tittabawassee Township for the installation of water connections in Maple Grove II.

**Approval of the
Agreement between
American
Excavating for
Maple Grove II
water connections**

Motion carried

- C. Moved by DuCharme, seconded by Knoerr to postpone R-99-32, approving a permit for the storage of fireworks on parcel #29-13-3-04-3003-000 on Carter Road by Joseph Neuenfeldt. Hayes removed himself from the table for Board discussion and abstained from the vote. The Board recommended Mr. Neuenfeldt to take this issue to the Zoning Board of Appeals for interpretation of the storage language in the zoning ordinance.

**Approval of R-99-32
to Approve a Permit
for Fireworks
Storage**

Motion carried

- Moved by Knoerr, seconded by Vasold to approve the 1999 Solid Waste Management Plan.

**Approval of 1999
Solid Waste
Management Plan**

Motion carried

- E. Moved by Averill, seconded by Vasold to approve the recommendation of the Planning Commission to deny the request by Robert Bohnhoff to rezone lots, 1,2,3,4, and 20 of Muirhead Subdivision from R-1 to C-1.

**Approval to Deny
Rezoning Request by
Robert Bohnhoff for
Muirhead
Subdivision**

Motion Carried

TOWNSHIP BOARD MEETING MINUTES 09/7/99

MOTION by Foxx, supported by Gilles to award the bid on the installation of a variable speed drive for Williamson Road station pump to Great Lakes Instruments in the amount of \$4532.

Ayes: 6 Nays: 0 Absent: 1 Motion carried.

ROADS & DRAINS - SAGINAW COUNTY SOLID WASTE PLAN

Manager Gardner reviewed the key provisions of the 1999 Solid Waste Management plan as approved by the Saginaw County Board of Commissioners and the Saginaw Area Solid Waste Management Authority, which included the following:

1. Roles and responsibilities for components of the solid waste management system remain basically the same as at present.
2. Waste volumes destined for landfill disposal will be reduced by enhanced material recovery.
3. Enhanced recovery will be achieved via further public education and expanded recycling opportunities for multi-family housing and small businesses.
4. Blighting conditions in communities are to be addressed through encouragement of annual cleanup events.
5. The Solid Waste Planning Committee will function as a permanent oversight committee for solid waste plan implementation.
6. Facility siting procedures in the previous solid waste plan and ordinance which were struck down by a court order have been revamped to comply with provisions of Act 451, preserving local government's role in such decision.

Manager Gardner explained this plan must be approved by two thirds of the local units in Saginaw County (24 units) before it is submitted to the Michigan department of Environmental Quality.

MOTION by Sommer, supported by Foxx to approve the 1999 Solid Waste Management plan as recommended by the Roads & Drains committee.

Ayes: 6 Nays: 0 Absent: 1 Motion carried.

ROADS & DRAINS - TOWNSHIP ROAD PROGRAM - DRAINAGE PROJECT 5000 BLK. RIVERVIEW

Gardner explained the storm sewer outlet in the 5000 block of Riverview Road is in very poor condition. The tile runs under a barn at 5093 Riverview which is falling down and causing drain problems. The property owner would like us to re-route our tile. The Township's cost to reroute the storm water is \$1,800.00. The proposed work would be needed for any road and drain improvements done on Riverview.

MOTION by Carpenter, supported by Gilles to add Riverview to the Township's Road Program.

Ayes: 6 Nays: 0 Absent: 1 Motion carried.

TOWNSHIP OF JONESFIELD

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN, THEREFORE BE IT RESOLVED, that the Jonesfield Township Board of the Township of Jonesfield does hereby approve and adopt the 1998/1999 update of the Saginaw County Solid Waste Management Plan.

The resolution was moved by Aulbert and seconded by Coppens.

Roll Call Vote

YEAS: Aulbert, Parker, Kilgore, Coppens, Fleming

NAYS: None

The resolution was declared to be adopted.

I hereby certify that the foregoing is a true and complete copy of a Resolution adopted by Jonesfield Township, County of Saginaw, State of Michigan, at a meeting held on Monday, December 20, 1999, 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 Michigan Public Acts of 1976.

Dated: December 20, 1999

Linda L. Kilgore
Jonesfield Township Clerk

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN
~~SWAN CREEK TOWNSHIP~~ TOWNSHIP OF SWAN CREEK

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the TWP. (township / village / city) BOARD (board / council / commission) of SWAN CREEK does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

ADOPTED: DECEMBER 13, 1999

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN

CITY/VILLAGE/TOWNSHIP OF Blumfield

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the _____ **(township / village / city)** **(board / council / commission)** **of the** Township of Blumfield **does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.**

Post-It® Fax Note	7671	Date	# of pages 1
To	Pam	From	Ralph
Co./Dept	SWMIT	Co.	Blumfield Twp
Phone #		Phone #	
Fax #	517-777-6808	Fax #	868-9519

RESOLUTION TO ADOPT THE SAGINAW COUNTY SOLID WASTE MANAGEMENT PLAN
CITY/VILLAGE/TOWNSHIP OF BIRCH RUN TOWNSHIP

WHEREAS, Public Act 451 of 1994, the Natural Resources and Environmental Protection Act, requires development of Solid Waste Management Plans for each of Michigan's 83 counties; and

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

WHEREAS, the Saginaw County Solid Waste Management Planning Committee has produced a plan which addresses all of the required material as specified by Act 451 in a manner which meets the goals and objectives identified by Saginaw County citizens for management of their solid waste and natural resources; and

WHEREAS, the Saginaw County Solid Waste Management Plan has been approved by the Saginaw County Board of Commissioners;

THEN THEREFORE BE IT RESOLVED, that the _____ (township) / village / city) _____ (board) / council / commission) _____ of the TOWNSHIP OF BIRCH RUN does hereby approve and adopt the 1998/1999 Update of the Saginaw County Solid Waste Management Plan.

TOWNSHIP OF CHESANING

**Resolution Approving Membership in
Saginaw Area Solid Waste Management Authority
and Appointing Authority Board Members**

At a Regular meeting of the Township Board, held in the Township of Chesaning, Saginaw County, Michigan, on the 4th day of December, 1997, at 7:30 o'clock p.m., Michigan Time.

PRESENT: Schaufelberger, Emmendorfer, S. Dodak, E. Dodak, Flory, Ryan, Weisenberger

ABSENT: None

Emmendorfer offered the following resolution and moved for its adoption. The motion was seconded by S. Dodak.

WHEREAS, the Township Board of Trustees has reviewed the Articles of Incorporation and By-Laws adopted by the Saginaw Area Solid Waste Management Authority (herein "Authority"), and

WHEREAS, the Township Board of Trustees deems that the general health, safety and welfare of the Township residents will best be served if the Township joins and otherwise becomes a member of the Saginaw Area Solid Waste Management Authority.

NOW, THEREFORE, BE IT RESOLVED by the Township Board of Trustees as follows:

1. The Township Supervisor and Clerk are hereby authorized and directed to make application to join the Authority and become a constituent municipality pursuant to the Articles of Incorporation adopted by the Authority.

Post-it® Fax Note	7671	Date	2-11-00	# of pages	3
To	Sue	From	Bob Corrin		
Co./Dept.	SASWMA	Co.	CHESANING TOWNSHIP		
Phone #	517-755-2716	Phone #	517-845-3666		
Fax #	517-797-6869	Fax #	517-845-5555		

January 8, 1998

Chesaning Township Minutes

Dec. 4, 1997

A regular meeting of the Chesaning Township Board was called to order at 7:30 p.m. Dec. 4, 1997, at the townhall for the purpose of transacting such business as may come before it. Supervisor called the meeting to order. The Pledge of Allegiance was recited. Clerk called the roll. Present were: Supervisor Bill Schauffelberger, Clerk Sue Emmendorfer, Treasurer Susan Dodak, Trustees: Jeffrey Flory, James Ryan, Edward Dodak. Trustee Charles Weisenberger arrived 8 p.m.

Clerk had previously distributed November Financial Statement and Budget to Date Report.

*Motion by Dodak, support by Flory, to approve Nov. 6 Regular and Nov. 6 Public Hearing Township Board Meeting Minutes, and adding the passage of Resolutions #1 & 2. for Trash and Recycling Special Assessment District.

Public Comments: Marcus Sutter spoke out in favor of clean-up and beautification at the township cemetery.

Committee/Board Reports:

*Cemetery Committee discussed making a Grave Blanket Policy for the Township Cemetery. Grave owners place grave blankets with plastic flowers and other items on the graves each fall, but fail to remove the grave blankets each spring, creating a costly removal process for the township. A Grave Blanket policy could require all grave blankets to be biodegradable or it could ban grave blankets all together. The Cemetery Committee will meet and consider wording to be brought back to the board for adoption.

*Zoning Administrator Schauffelberger presented and recommended approval of a Land Division Ordinance and Application Fee of \$50.

*Motion by Emmendorfer, support by Flory, to adopt the Land Division Ordinance No 02-97, on file in township office, to take effect 30 days following publication. Roll Call Vote - Yes: Ryan, Flory, E Dodak, S Dodak, Emmendorfer, Schauffelberger. No: none. Absent: Weisenberger. Ordinance Adopted.

Schauffelberger also, informed the board of a 8:15 a.m. Feb. 12, 1997, Court Date in the Moore Mobile Home Case.

*Ken Wendling of the Saginaw County Road Commission spoke to the board about the township's upkeep needs for the next year. Road Commissioner Bud Wendling thanked the board for its Nov. 6, 1997 Resolution against the state taking over jurisdiction of certain county roads.

*Schauffelberger and Flory, Sewer Committee, reported on a meeting with the Department of Environmental Quality, with results of tests to M-57 corridor ditches showing 3- and 5-times the average acceptable Ecoli (human waste) bacteria levels. DEQ will present no citations at this time but will be doing more testing in the spring. Residents Howard Ruff expressed his concern that the cause of the contamination be found. Resident Norwin Braun also spoke.

*Supervisor reported that a bid for the township's 1994 Ford Crown Victoria Police Car, may be forthcoming from Traverse City.

*Supervisor will also look into bid wording for a possible Commercial Reassessment of the Township, with costs of the reassessment to be spread over two or three years.

*Clerk reported on a state Qualified Voter File software training Nov. 2. Also reported that the township secretary will be leaving Mid-December. The office will now be open through tax season for tax collection and other business, 9 a.m. to noon and 1 to 3 p.m. Monday, Wednesday and Friday, December through February.

*Treasurer reported that taxes had been sent out December 1, and Valley Ambulance memberships could also be paid at the township hall when residents pay their tax bills.

Unfinished Business: Contract with Saginaw Area Solid Waste Management Authority, for Trash and Recycling Hauling.

*Motion by Emmendorfer, support by S Dodak, to adopt a resolution approving membership in the Saginaw Area Solid Waste Management Authority and Appointing S Dodak and Schauffelberger to the SWMA board. Roll Call Vote - Yes: Schauffelberger, Emmendorfer, S Dodak, E Dodak, Flory, Ryan, Weisenberger. No: none. Resolution Adopted.

2. Upon acceptance as a constituent municipality, S. Dodak, is appointed a member of the Authority Board and Schaufelberger is appointed alternate member of the Authority Board to serve until December 31, 1999, or until otherwise replaced by the Township Board of Trustees.

YEAS: Weisenberger, Flory, Ryan, E. Dodak, S. Dodak, Emmendorfer, Schaufelberger

NAYS: None

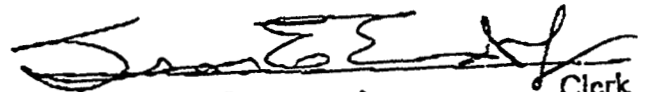
ABSTENTIONS: None

Resolution declared adopted.

CERTIFICATION

STATE OF MICHIGAN)
COUNTY OF SAGINAW)SS

I, the undersigned, the duly qualified and acting Chesaning Township Clerk, Saginaw County, Michigan, do hereby certify that the foregoing is a true and complete copy of proceedings taken at a Regular meeting of the Township Board, held on the 4th day of December, 1997, the original of which is on file in my office. I further certify that notice of said meeting was given in accordance with the provisions of the Open Meetings Act.


Susan E. Emmendorfer
Chesaning Township Clerk

This page left blank for citizen comments from public meeting, hearings

K. W. comments from June 9 meeting

add pages as necessary

SEE ATTACHED

SAGINAW COUNTY SOLID WASTE COMMITTEE

MINUTES OF THE MEETING

Tuesday, June 9, 1998
Saginaw County Solid Waste Committee
111 S. Michigan Avenue
Room 200
Saginaw, MI 48602

DRAFT

I. ROLL AND INTRODUCTION OF GUESTS

Members Present

Mary Fischer
Jerry Humpala
Michelle Hurd-Riddick
Raymond Ilkka
Tom Kerr
Michael O'Hare
Del Schrems
Robert Schroeder
Martin Seaman
Jeff Tucker

Members Absent

Tom Bailey
Sue Fortune
Don McInerney*

Staff Present

Laura McClean
Christina Pecoraro
William Wright
Adam Young - Planning Intern

Guests Present

Kim Winchell, Citizen, Titt. Twp.

*excused

II. PUBLIC HEARING

- A. The Public Hearing opened at 1:40 p.m. Pecoraro explained the major components of the Solid Waste Plan and the approval process. The committee members stated their names and whom they represented.

Kim Winchell, a citizen of Tittabawassee Township had concerns with the update of the plan and made suggestions/comments to the committee. 1. She does not want Saginaw County borders opened to additional "outside waste" beyond the contiguous counties allowed by the previous plan and reciprocal agreements. 2. She is concerned with household hazardous waste collection. If some of the waste companies are required by contract to provide this service to Saginaw County residents, they should be doing so. 3. She recommended that Saginaw County should work cooperatively with the Saginaw Area Solid Waste Management Authority (SASWMA) for the benefit of the citizens as Saginaw County

government is the legal "authority" for trash management as mandated by PA 451, and SASWMA is the main "player" in this area.

Pecoraro and Wright reviewed the planning process and time line which have been outlined by the flow chart. They also addressed the proposed public participation plan. Some questions raised by Committee members were to be addressed later in the meeting or at subsequent meetings.
The public hearing was closed.

B. Other

None

III. OLD BUSINESS

A. Review and approve the minutes of May 12, 1998 meeting.

A motion was made by Fischer, seconded by O'Hare, to approve the minutes as presented. Hurd-Riddick objected. She said the meeting minutes should be a more detailed version of the discussions held and to add specific comments made by committee members. Discussion was held regarding what level of detail is appropriate and desirable. Ilkka made suggestions for committee members to summarize their discussions during the meetings to provide a more complete public record.

Moved by O'Hare, seconded by Fischer, to add comments to Item IIIA. of the May 12, 1998 minutes to note that Jon Mersman stated that if Saginaw County received a favorable ruling regarding tipping fees under the County Solid Waste Management Ordinance that all funds collected would be used exclusively for solid waste management in Saginaw County. Motion carried.

Moved by Hurd-Riddick, seconded by O'Hare, to add Seaman's original amendments to April 14, 1998 meeting minutes in Item IIA. of the May 12, 1998 meeting. Discussion regarding importance of coordinating activity and understanding the Board of Commissioners desires regarding planning options. Motion carries.

Moved by Humpula, seconded by Kerr, to add in Item IIIA. Commissioner Bartels responded on behalf of the Saginaw County Board of Commissioners to the Committee letter dated April 27, 1998. He stated that the Solid Waste Committee is designated to prepare a plan and is selected for their unsurpassed knowledge of solid waste issues. The County Services committee is relying on the Solid Waste Committee to deliver its recommendations and then the Board and County Services can discuss any changes. Also, to add in Item IIIB, To delete the following: "No changes to the draft goals and objectives were suggested." Motion carried.

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

A Solid Waste Management Planning Committee was appointed at the beginning of the 1998 update cycle. As a result of this Plan, this committee will become a permanent feature of Saginaw County's solid waste management process. Initial terms of committee members will be staggered from one to three years within each sub-group. Each year, there will be a need for the Board of Commissioners to appoint one-third of the committee members. New appointments will be for three years, unless filling the remainder of an unexpired term. The following process is to be used in the appointing of these representatives:

When a member's term expires, the Chairman of the Board has the option to either re-appoint the existing committee member or to contact individuals in the area of interest requesting responses from those who are willing to serve. A mailing list of all municipalities, solid waste industries, collection firms, environmental interest groups and other interested citizens is to be kept by the DPA for the Chairman to use, if necessary.

Once the Chairman of the Board of Commissioners receives responses from interested individuals, candidates will be selected to fill the positions, based on knowledge and experience. The Chairman will make recommendations to the Board, who will be responsible for final approval.

PLANNING COMMITTEE

Committee member names and the company, group, or governmental entity represented from throughout the County are listed below. Their terms will extend through the end of the year indicated.

Four representatives of the solid waste management industry:

1. Mary Fisher, General Manager, City Environmental Service - 2000
2. Jeff Tucker, Tay-Ban Corporation - 1998
3. Martin Seaman, General Manager, Sag. Area Solid Waste Management Authority - 1999
4. Vacant - 1998

One representative from an industrial waste generator:

1. Raymond Illka, G.M. Powertrain - 1998

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

1. Michelle Hurd-Riddick, Saginaw Action Volunteers for the Environment - 1999
2. Tom Bailey, Michigan Duck Hunters - 2000

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

1. Michael O'Hare, County Commissioner - 2000

One representative from township government:

1. Tom Kerr, Taymouth Twp. Supervisor - 1998

One representative from city government:

1. Delbert Schrems, City of Saginaw Councilman - 1999

One representative from the regional solid waste planning agency:

1. Sue Fortune, Executive Director, E. Central Mi. Planning & Development Region - 1999

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

1. Jerry Humpala - 1999
2. Donald McInerney - 1999
3. Robert Schroeder - 2000

Note: The 1998 term will not be completed until the final approval of the Solid Waste Plan by the MDEQ. At this time, re-appointments or new appointments will be made. The term for these new appointments will be three years beginning January 1, 1999.

APPENDIX D

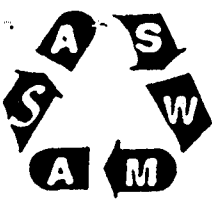
Plan Implementation Strategy

The following discusses how the County intends to implement the plan and provides documentation of acceptance of responsibilities from all entities that will be performing a role in the Plan.

The following letters are documentation of acceptance of responsibilities from all involved entities.

PUBLIC PARTICIPATION

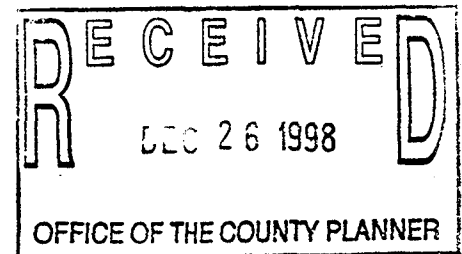
Letter from The Board of Commissioners



Saginaw Area Solid Waste Management Authority

December 21, 1998

Ms. Christina Pecoraro, Associate Planner
Saginaw County Metropolitan Planning Commission
400 Court Street
Saginaw, MI 48602



Dear Ms. Pecoraro,

I am writing in response to your letter dated December 11, 1998 on behalf of the designated planning agency for the Saginaw County Solid Waste Management Plan. I wish to clarify the responsibilities identified for and accepted by the Saginaw Area Solid Waste Management Authority for implementation during the next five year planning cycle.

The SASWMA currently has contracts in place with 26 of the 35 units of government in Saginaw County representing approximately 95% of the single family population within Saginaw County. We are therefore prepared and in a position to implement those elements described in your point #2: *"Responsible for residential trash, recyclables and yard waste collection, processing and disposal for member communities."*

The SASWMA has recognized the vital importance of education regarding solid waste services and the improvement of recycling and other alternative solid waste handling methods. In this regard, the SASWMA funded an educational campaign during 1998 and parts of 1999 in excess of \$150,000 to provide educational resources and programming. However, the SASWMA has been disappointed and continually rebuffed in its efforts to receive funding for these activities or ongoing activities from Saginaw County.

The SASWMA will not commit to responsibilities for these areas of activities until other key components of the Plan's recommendations are met, specifically, County surcharge or other funding for these programs, including past expenditures. Likewise, the issue of multi-family recycling services remains contingent on County funding, at least in the planning, procurement, and educational areas. Short of an actual commitment from Saginaw County to appropriately fund education and program development issues, the SASWMA will not commit to responsibility for these activities in the next Plan.



Ms. Christina Pecoraro
December 21, 1998
Page 2

The SASWMA would relish the opportunity to vigorously pursue the above programs, upon the development of actual funding support from the Saginaw County Board. Please feel free to contact me with regard to any issue addressed herein.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Martin J. Seaman', with a long horizontal line extending to the right.

Martin J Seaman
General Manager

Cc: Saginaw County Solid Waste Planning Committee
Mr. Gerald Francis, Chair, SASWMA
Mr. William Wright, Director of Saginaw County Planning Department



**Saginaw County Metropolitan
Planning Commission**

400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

Date: January 23, 1999
To: Solid Waste Management Planning Committee
From: *[Signature]* Marvin Baldwin, Chairman
Saginaw County Metropolitan Planning Commission
Re: Solid Waste Management Plan Update Delegated Responsibilities

In the letter from the Designated Planning Agency, dated December 10, 1998, a wide variety of responsibilities were assigned to the Saginaw County Metropolitan Planning Commission. At our last meeting of the SCMPC, December 15, 1998, the planning commissioners requested more information in regards to the amount of funding that would be necessary to support the assigned responsibilities.

The following describes the responsibilities that were assigned and the staff recommendation of funding sources and requirements:

- Put together a recycling guidebook for small and medium sized commercial businesses
- Work with haulers and local governments to put recycling/reuse information on building permits
- Put together a workshop for commercial and industrial firms that highlights existing recycling and waste reduction programs to increase their awareness of opportunities
- Enforce the remaining components of the Solid Waste Ordinance, including:
 - Licensing Haulers
 - Collecting and maintaining records of waste generation and disposal in the County
 - Work with local units, commercial and industrial firms, non-residential and multi-family housing units to develop recycling plans
- Work with SWMPC, County Public Health Department and Local Units to write a model ordinance for Nuisance and Litter Enforcement
- Responsible for business re-use, source separation, and recycling educational programs
- Responsible for notifying the proper officials for siting applications and flow control applications
- Responsible for administrative duties described by the County's plan and ordinance
- Responsible for monitoring performance of new or expanded resource recovery efforts to determine success of plan implementation

The Saginaw County Metropolitan Planning Commission has determined that an additional full-time staff position would be necessary to implement all of the above listed duties. Adding this Associate Planner would require a budget adjustment sufficient to cover salary, fringe benefits, administrative, equipment and educational costs necessary to run this program. The SCMPC will accept the above responsibilities contingent upon availability of funding through the Solid Waste Ordinance surcharge provisions.

When the County approves this Plan, the responsibility for this program, as noted above, should remain with the SCMPC to insure its proper administration and enforcement. Using recent Planning Department budget figures for salary, fringe benefits and related indirect expenses only, this Associate Planner position would require a minimum of \$80,000 per year. Contractual and materials costs for educational programs would be in addition to this amount.



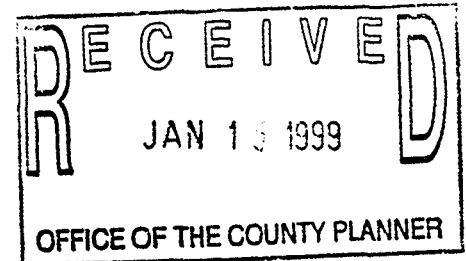
**Saginaw County Metropolitan
Planning Commission**

400 Court Street

Saginaw, Michigan 48602

Phone: (517) 797-6800 • Fax: (517) 797-6809

Date: December 11, 1998
To: Kevin Datte, Director
Saginaw County Department of Public Health
From: Christina Pecoraro, Associate Planner CP
Saginaw County Metropolitan Planning Commission
Re: Solid Waste Management Plan responsibilities



The Saginaw County Metropolitan Planning Commission is currently working on the 1998 Solid Waste Management Plan Update. In this plan, various agencies and organizations are given responsibilities. Please note that your agency is included in the Plan and holds the following responsibilities:

Responsible for inspections of operating landfills and processing facilities and citing any legal or illegal facility for violations

Responsible for upholding Saginaw County Solid Waste Management Ordinance, as it pertains to public health enforcement issues

Responsible for holding Household Hazardous Waste collection days, monthly, or as funding is available

The undersigned acknowledges that the above agency will be responsible for the components of the Plan listed above.

Kevin W. Datte
Authorized Signature

Please send this form back by January 31, 1998 to:

Saginaw County Planning Department

400 Court St.

Saginaw, MI 48603

Attn: Christina

SAGINAW COUNTY SOLID WASTE COMMITTEE

MINUTES OF THE MEETING

Tuesday, January 26, 1999
Saginaw County Solid Waste Committee
111 S. Michigan Avenue
Room 215 A & B
Saginaw, MI 48602

DRAFT

I. ROLL AND INTRODUCTION OF GUESTS

Members Present

Tom Bailey
Mary Fischer
Michelle Hurd-Riddick
Jerry Humpula
Ray Ilkka
Thomas Kerr
Don McInerney
Michael O'Hare
Del Schrems
Jeff Tucker

Members Absent

Sue Fortune*
Robert Schroeder
Martin Seaman

Staff Present

Laura McClean
Christina Pecoraro
William Wright

Guests Present

Jon Mersman, Saginaw County Controller's

*excused

Vice-Chair, Humpula, called the meeting of the Saginaw County Solid Waste Committee to order at 1:40 p.m.

II. PUBLIC COMMENT

None

III. OLD BUSINESS

A. Review and Approve the minutes from December 1, 1998 meeting.

Motion made by Bailey, seconded by Schrems, to approve the minutes of the December 1, 1998. Motion carried.

DRAFT

B. Siting Revisions

Pecoraro distributed copies of the siting revisions which were recommended by the Siting Committee at their January 12, 1999 meeting. An Application Review Estimated Time line was added to the plan, page III-48. Also some revisions were made to the haul routes section and the fee structure for application. **Motion made by Kerr, seconded by Bailey, to adopt the siting revisions as recommended by the Siting Committee. Motion carried.**

C. Other

Pecoraro received a phone call from Brian Burke of DEQ requesting Saginaw County presence at a meeting with People's Landfill to discuss proposed expansion. People's landfill is requesting an advisory analysis on the reconfiguration of the 53 acres. Note: Committee voted this proposal down at a previous meeting. Pecoraro will keep committee informed regarding this expansion.

IV. NEW BUSINESS

A. Correspondence

1. Memo from J. Marvin Baldwin, Chairman, Saginaw County Metropolitan Planning Commission (SCMPC) to the Solid Waste Planning Committee, accepting the designated responsibilities in the Plan contingent on the surcharge monies being available and the hiring of a new staff member to the Planning Commission to implement the duties.
2. From Doug Bell, ECMPDR, Project Consultant for Tuscola County Solid Waste Plan, to Christina Pecoraro, SCMPC, enclosing the "Supporting information for Import/Export Authorizations for Tuscola County. Tuscola is the only of the 7 contiguous counties that has submitted this information.
3. From Envirobag to Christina Pecoraro containing a list of schools in the county that have plastic bag recycling programs.
4. From Antrim County to William Wright requesting that Saginaw County allow them to export waste here. Pecoraro will send them a letter and the flow control documentation.
5. From Kevin Datte, County Public Health, accepting the designated responsibilities in the Solid Waste Plan.

DRAFT

6. From Martin Seaman, SASWMA, accepting the responsibility of collection, disposal and processing of residential trash recyclables and yard waste for member communities. SASWMA will not commit to educational programs for recycling re-use or source separation or to working with the multi-family waste stream unless some of the surcharge money becomes available and is allocated to the SASWMA to run these programs.
7. From Clinton County to DPA stating which counties will be authorized to import/export waste with Clinton County. Saginaw County is not one of them.

Copies of all correspondence are available. Please contact the SCMPC office if needed.

B. Draft Plan Approval

Pecoraro distributed copies of the Draft Saginaw County Solid Waste Plan to committee members. Several issues were asked by committee members regarding surcharge money and what will happen if Saginaw County loses the law suit. Mersman responded that there could be numerous difficult issues to be resolved in such an event. It is not practical to speculate on the out come of any such questions, since it is not yet known whether the Michigan Supreme Court will even review this case.

The Goals and Objectives were also reviewed. It was moved by Hurd Riddick, seconded by Kerr to add to the Goals & Objectives: "Inventory and Pursue re-mediation of existing unlicensed solid waste disposal activities. Motion carried.

Kerr questioned about the status with the weighmaster. It was moved by Kerr, seconded by Bailey, for Commissioner O'Hare to contact the weighmaster and inquire about allegations that a full time ticket officer is active only during the farming seasons. Motion carried.

Moved by O'Hare, seconded by Hurd-Riddick, to approve the draft plan with the noted comments. Fischer objected to the approval due to the lack of an alternative funding mechanism in the event that the surcharge were to be eliminated. Motion carried.

DRAFT

C. Other

Pecoraro mentioned that a Public Hearing of the Solid Waste Committee and the review of the Draft Solid Waste Plan will be held on Thursday, March 4, 1999 @ 7:00 p.m. at the Saginaw County Governmental Center, 111 S. Michigan Avenue, Saginaw, MI 48602. A public notice will be posted in the Saginaw News.

V. Adjournment

Moved by Hurd Riddick, seconded by Bailey, to adjourn the January 26, 1999 meeting at 3:15 p.m.

**SAGINAW COUNTY
SOLID WASTE MANAGEMENT PLANNING COMMITTEE
MEETING AGENDA
Thursday, March 4, 1999
7:00 pm
Saginaw County Courthouse
111 S. Michigan Ave.
Saginaw, MI 48602
Room 200**

- I. Roll and Introduction of Guests
- II. **PUBLIC HEARING - TO ACCEPT COMMENTS ON THE DRAFT SOLID WASTE MANAGEMENT PLAN UPDATE**
- III. Old Business
 - A. Review and approval of the minutes from January 26, 1999 meeting
- IV. New Business
 - A. Correspondence
 - B. Other
- V. Adjournment

SAGINAW COUNTY SOLID WASTE COMMITTEE

MINUTES OF THE MEETING

Tuesday, March 4, 1999
Saginaw County Governmental Center (Courthouse)
111 S. Michigan Avenue
Room 200
Saginaw, MI 48602

I. ROLL AND INTRODUCTION OF GUESTS

Members Present

Mary Fischer
Michelle Hurd-Riddick
Jerry Humpala
Ray Ilkka
Thomas Kerr
Michael O'Hare
Martin Seaman
Jeff Tucker

Members Absent

Tom Bailey
Sue Fortune
Don McInerney
Del Schrems
Robert Schroeder

Staff Present

Christina Pecoraro
William Wright
Ernst Wuckert

Guests Present

Len Ballosh, James Township
Jerry Francis, Saginaw Township
Marcia Strong, Thomas Township

*excused

II. PUBLIC HEARING - TO ACCEPT COMMENTS ON THE DRAFT SOLID WASTE MANAGEMENT PLAN UPDATE

A recording is available of this hearing.

The Public Hearing opened at 7:06 p.m., Jerry Francis, Chairman of the Saginaw Area Solid Waste Management Authority (SASWMA), complimented the committee on their hard work on the Solid Waste Plan and also mentioned that the Authority does not disagree with the plan. His biggest concern was the SASWMA was not recognized formally in the Plan, as the entity that has been running county solid waste programs for the past three years. They also were upset that the County was assigning responsibilities to them without funding. The Authority plans to continue working on residential trash but not commercial and industrial programs.

Marcia Strong, Thomas Township, mentioned that Jerry had a good point and the Authority does represent a majority of the residents in the County. It doesn't seem that anyone even notices what the Authority is doing. She believes the authority should be recognized more formally in the updating of the Solid Waste Plan.

Len Ballosh, James Township, asked that the authority be recognized in the draft plan.

Jerry Francis noted the Saginaw Area Solid Waste Management Authority will be sending a point by point critique of the Solid Waste Plan, as written. He said to the Solid Waste Committee that "We have work to do on this plan, and we can work this out."

The public hearing closed at 7:30 p.m.

III. OLD BUSINESS

- A. Review and Approve the minutes from January 26, 1999 meeting.

Motion made by Humpula, seconded by Kerr, to approve the minutes of the January 26, 1999. Motion carried.

- B. Other

None

IV. NEW BUSINESS

- A. Correspondence

1. Letter from Jon Mersman, Deputy Controller, to Terry Cooney, Greater Michigan Landfill Division, of Waste Management Corporation thanking him for hosting the meeting with the Department of Environmental Quality (DEQ) on February 5, 1999. The memo explained that the County's position remains as stated February 1, 1999 in the letter from Robert Fish, Chairman, Saginaw County Board of Commissioners regarding the proposed expansion. After the Solid Waste Management Plan Update is approved by the MDEQ, the County would welcome an application for expansion.
2. From Terry Suerin, Granger Waste Management, to Christina Pecoraro, a facsimile mapping of the of the Wood Street Facility in Clinton County.
3. From Christina Pecoraro, to Helen Laurenz, DPA, Gratiot County, explaining a typographical error in our import/export agreement regarding Gratiot county. The

correction is to read: Saginaw County would import 50 tons per day from Gratiot County and export 50 tons per day.

Copies of all correspondence are available. Please contact the Saginaw County Planning Department (DPA) office if needed.

B. Other

The next meeting of the Saginaw County Solid Waste Management Planning Committee will be May 11, 1999 at 1:30 p.m. in the Saginaw County Courthouse, Board of Commissioners room 200, 111 S. Michigan Avenue, Saginaw, MI 48602.

V. Adjournment

Moved by Fischer, seconded by Tucker, to adjourn the meeting at 7:340 p.m.
Motion carried.

SAGINAW COUNTY SOLID WASTE MANAGEMENT PLANNING COMMITTEE

MINUTES OF THE MEETING

Tuesday, April 27, 1999

1:30 P.M.

Saginaw County Courthouse

111 S. Michigan

Saginaw, MI 48602

Room 200

I. INTRODUCTION OF GUESTS

Members Present

Tom Bailey
Michelle Hurd-Riddick
Tom Kerr
Mike O'Hare
Bob Schroeder
Marty Seaman
Jeff Tucker

Members Absent

Mary Fisher
Sue Fortune
Jerry Humpula
Ray Ilkka
Don McInerney
Del Schrems

Staff Present

Vanessa Farr
Christina Pecoraro
William Wright

Guests Present

Robert Belleman
John Malzahn
Carrie Spencer

II. PUBLIC COMMENT

There was no public comment.

III. OLD BUSINESS

A. Review and Approval of minutes from April 27, 1999 meeting.

*Moved by Kerr, seconded by Schroeder, to approve the April 27, 1999 minutes.
Motion carries.*

IV. NEW BUSINESS

A. Correspondence

1. Letter from Venice Park Recycling and Disposal Facility formally requesting to be included in our plan. The letter states how much volume is left at Venice Park and states that they are willing to take up to 100 % of Saginaw County's trash.

2. Letter from the Tri-County Advisory Committee inviting committee members to the Michigan Recycling Coalition in Midland.

B. Review Public Comments

Copies of the public comments were passed out to those who had not received them. Seaman reviewed the changes. Kerr felt there was not enough time to review these changes and would like to form a subcommittee to review the SASWMA surcharge funding recommendation.

Moved by Hurd-Riddick, seconded by Kerr, to form a subcommittee consisting of O'Hare, Hurd-Riddick, Kerr, Marty Seaman, County Controllers office, and an appointed representative of the SASWMA. Motion carries.

The subcommittee will meet at 9:00 am at the Saginaw County Planning Department on May 6, 1999.

V. Adjournment



**Saginaw County Metropolitan
Planning Commission**

400 Court Street

Saginaw, Michigan 48602

Phone: (517) 797-6800 • Fax: (517) 797-6809

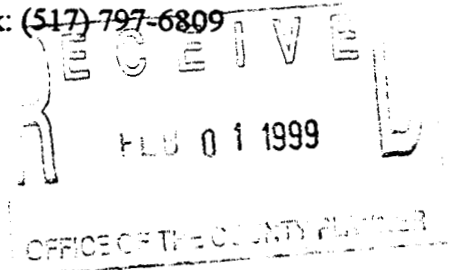
Date: January 27, 1999

To: Charles Brown, Sheriff

Saginaw County Sheriff Department

From: Christina Pecoraro, Associate Planner CP

Re: Saginaw County Solid Waste Management Plan Update



The Saginaw County Metropolitan Planning Commission is currently working on the 1998-1999 Saginaw County Solid Waste Management Plan Update. In this plan, various agencies and organizations are given responsibilities. Please note that your agency is included in the Plan and holds the following responsibilities:

Responsible for citing refuse haulers that are not using designated truck routes and refuse trucks that are over the road weight capacity

The undersigned acknowledges that the above agency accepts responsibility for the components of the Plan listed above.

Charles L. Brown

Authorized Signature

Please send this form back by February 28, 1999 to:

Saginaw County Planning

400 Court St.

Saginaw, MI 48602

Attn: Christina

Letter from Public Health

PUBLIC PARTICIPATION

Letter from Saginaw City Streets Dept.

Letter from County Sheriff Dept.

PUBLIC PARTICIPATION

Letter from Road Commission

Letter from MSU Extension

PUBLIC PARTICIPATION

Resolutions

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

N/A

Listed Capacity

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

The following pages contain contracts that were signed in 1993 by City Management Corporation and Tay-Ban Corporation guaranteeing Saginaw County capacity for 20 years. Also included are letters from General Motors, Waste Management, and Citizen's Disposal landfill, stating that there is enough capacity for Saginaw County waste.

PUBLIC PARTICIPATION

CONTRACT

1.

Tay-Ban Corporation will not accept for disposal at its landfill, legally described on the attached Exhibit A, solid waste generated outside of the state of Michigan or outside of the country or transported for disposal from out of the state and country for a period of 20 years.

2.

Tay-Ban Corporation will not accept for disposal: (A) hazardous or other toxic waste defined in MCLA 299.504(3) as waste or a combination of waste and other discarded materials including solid, liquid, semisolid, or containing gaseous material which because of its quantity, quality, concentration, or physical, chemical or infectious characteristics may cause or significantly contribute to an increase in mortality or increase in serious irreversible illness or serious incapacitating, but reversible illness, or pose a substantial present or potential hazard to human health or the environment if improperly treated, stored, transported, disposed of or otherwise managed which is regulated as such and precluded from disposal in Type II sanitary landfills; (B) nuclear waste; and (C) medical waste defined in MCLA 333.13805(8) and 13.807(7) as any of the following that are not generated from a household, farm operation, or other agricultural business, a home for the aged or a home health care agency:

1. Cultures and stocks of infectious agents and associated biologicals,
2. Liquid human and animal waste including blood and blood products and body fluids,
3. Pathological waste,
4. Needles, syringes, scalpels and intravenous tubing with needles attached,
5. Contaminated wastes from animals that have been exposed to agents infectious to humans, these being primarily research animals.

Tay-Ban Corporation can accept for disposal medical waste that has been decontaminated or is not required to be decontaminated but is packaged in the manner required under part 138 of

Act No. 368 of the Public Acts of 1978 and section 13b of Act 641 of 1978 (MCLA 299.413b).

3.

Tay-Ban Corporation guarantees capacity at its facility for 50% of Saginaw County's solid waste disposal needs. Tay-Ban Corporation's guarantee is based upon a 20-year need of 6,500,000 cubic yards of compacted in place solid waste for all of Saginaw County's generated waste. This guarantee is for 20 years from the date of this agreement. Tay-Ban Corporation may handle its 3,250,000 cubic yards in any manner consistent with Act 641.

4.

Tay-Ban Corporation may accept 1,625,000 cubic yards of compacted in place solid waste from Saginaw County and the counties listed in paragraph 8. over the first five years of this contract. Tay-Ban Corporation agrees to an annual limit of 325,000 cubic yards for years 6-20 of compacted in place solid waste accepted for disposal in their landfills. Monthly reports, as required, including but not limited to the source, type and amount of cubic yards of solid waste will be submitted to the Saginaw County Solid Waste Office on forms provided by the County. The company shall not carry over more than 50% of its respective disposal limit annually. There will be an attached schedule of annual limits, with monthly reports to be agreed upon in writing by both parties.

5.

The County shall not use any monies generated from any surcharge to construct a county-owned landfill, to enter into the collection, disposal or processing business or commingle such monies with the general fund. The County reserves the right to use such funds to prosecute willful violations of paragraphs 2., 3., and 4. of this contract. The monies generated from the surcharge shall be used to fund the Waste Management Department and its related responsibilities and duties.

6.

Tay-Ban Corporation agrees that it will not challenge the attached provisions of the Saginaw County Solid Waste Ordinance in a court of competent jurisdiction. Nothing, herein, however shall prevent Tay-Ban Corporation from challenging the appropriateness of any enforcement, interpretation or implementation of such provisions. Tay-Ban agrees to the attached monitoring plan for its respective solid waste disposal area and any future processing facility in Saginaw County.

7.

The County of Saginaw shall dismiss Tay-Ban Corporation with prejudice from the case of County of Saginaw vs. Tay-Ban Corporation, et al., File No. 92-50815-CE-3, and shall also dismiss with prejudice any other law suits and/or outstanding injunctions against it, including, but not limited to, File No. 87-28936. The County agrees to send a letter to the DNR stating that the expansion of the landfills is consistent with the Saginaw County Solid Waste Management Plan. Tay-Ban Corporation's future expansion which is agreed to be necessary to guarantee capacity for 50% of Saginaw County's waste is on the property described in Exhibit A, which is a part of this contract.

8.

The County shall amend the Saginaw County Solid Waste Management Plan Update of 1990 to conform to the terms of this agreement and to authorize the importation of solid waste as defined in Act 641 of 1978 from the contiguous counties of Bay, Clinton, Genesee, Gratiot, Midland, Shiawassee and Tuscola only as limited by paragraphs 2., 3., and 4. of this contract. If the DNR has not approved a Saginaw County Solid Waste Management Plan consistent with this agreement within 18 months, Tay-Ban Corporation may declare this agreement null and void. The County shall in the future take any and all legal action to implement this agreement.

9.

This contract may be amended by mutual written agreement of the parties.

10.

Enforcement of the terms of this agreement shall be in accordance with the enforcement provisions of Act 641 of 1978, as amended.

11.

Tay-Ban Corporation shall offer trash, recyclable and household hazardous waste disposal services to all residential customers in Saginaw County.

12.

This contract shall bind all successor partnerships, corporations, owners, and operators of the Tay-Ban landfills.

13.

All trade secrets or commercial or financial information voluntarily provided to the Waste Management Office shall be confidential pursuant to Section 13(1)(g) of the Freedom of Information Public Act 176 of 1977.

-3-

JENSEN, SMITH & GILBERT, P.C., SAGINAW, MICHIGAN

PHONE (517) 730 3500

Dated: February 26, 1993

TAY-BAN CORPORATION

By 

Its DIVISION MANAGER

Dated: 2/26/93

COUNTY OF SAGINAW

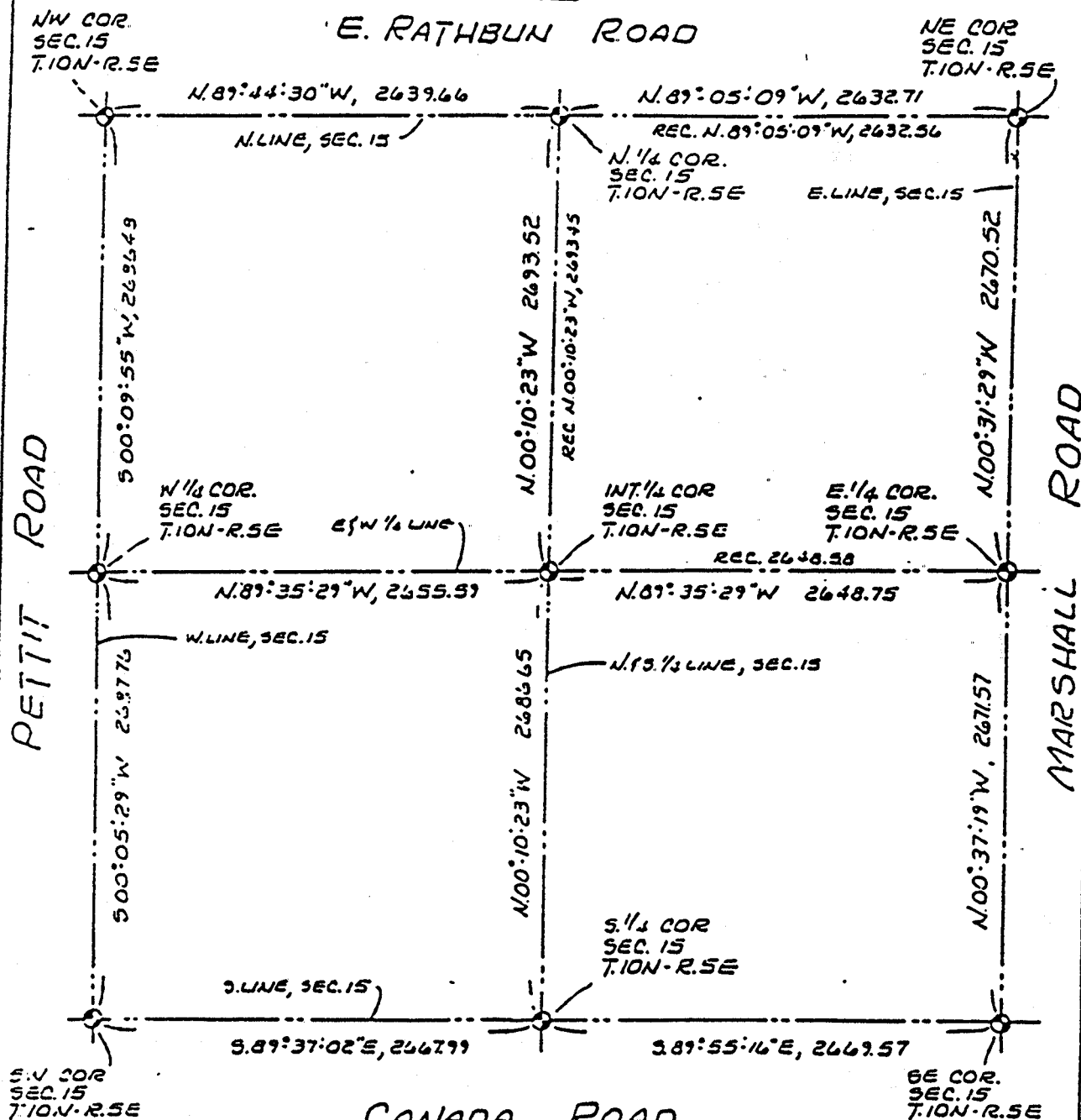
By 

James L. Gaertner

Its Chairman

CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETED IN ACCORDANCE WITH PUBLIC ACT 132 OF 1970, AND THAT THE RATIO OF CLOSURE OF LATITUDES AND DEPARTURES IS ONE TO 30,000
DESCRIPTION OF LAND SURVEYED: SEE SHEET 4 OF 6



NOTE: BEARINGS HAVE BEEN EST. BY PREV LEACH ENGINEERING, INC. REC. IN LIB. 1424 PG. 1249
NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS -O-

PLAT OF SURVEY FOR		
TAYMOUTH LANDFILL		
SEC. 15	T10N-R.5E TAYMOUTH TWP.	
Saginaw COUNTY, MICHIGAN		
ROWE ENGINEERING 1440 E. PIERSON FLUORINE 315-688-3100 CARD 317-675-2610 OWNERS 317-723-0100		
DATE JUNE 17, 1987	DRAWN PB	
SCALE 1" = 800'	CHECKED JNO	
FIELD JA	REVISED	
SHEET NO. 1 OF 6		100 NO. F-6807-87-5

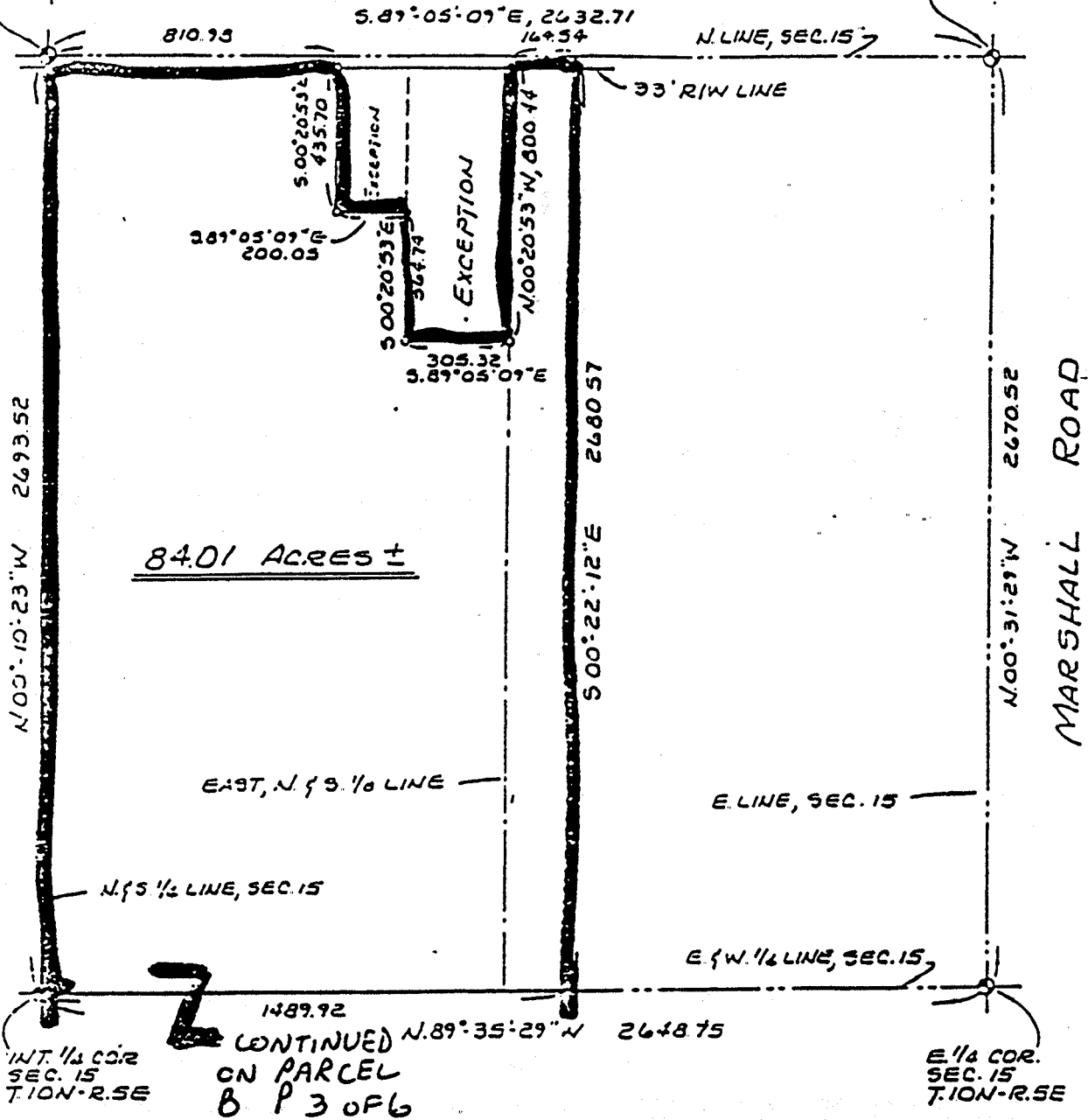
CERTIFICATE.

I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETED IN ACCORDANCE WITH PUBLIC ACT 132 OF 1970, AND THAT THE RATIO OF CLOSURE OF LATITUDES AND DEPARTURES IS ONE TO 30,000
DESCRIPTION OF LAND SURVEYED: SEE SHEET 4 OF 6

N. 1/4 COR.
SEC. 15
T. 10 N. - R. 5 E

E. RATHBUN ROAD

NE COR.
SEC. 15
T. 10 N. - R. 5 E



NOTE: BEARINGS HAVE BEEN EST. BY PREV. LEACH ENGINEERING, INC. REC. IN LIB. 1424 PG. 1249
NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS - O

PLAT OF SURVEY FOR

TAYMOUTH LANDFILL
SEC. 15 T. 10 N. - R. 5 E TAYMOUTH TWP.
SAGINAW COUNTY, MICHIGAN

ROWE ENGINEERING

1640 E. PIERSON 420 N. STATE 317 N. WASHINGTON
FLUORING 313-266-5103 CARD 317-271-1636 OWNERS 317-771-0100

DATE JUNE 19, 1987

DRAWN PB

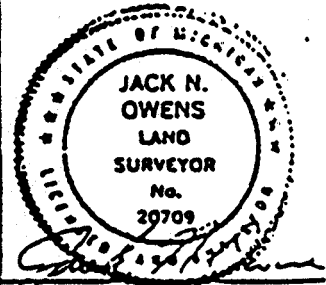
SCALE 1" = 400'

CHECKED JNO

FIELD JA

REVISED

SHEET NO. 2 OF 6



JOB NO.
F-6807-87-5

CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETED IN ACCORDANCE WITH PUBLIC ACT 132 OF 1970, AND THAT THE RATIO OF CLOSURE OF LATITUDES AND DEPARTURES IS ONE TO 30,000
DESCRIPTION OF LAND SURVEYED: SEE SHEET 4 OF 6

INT. 1/4 COR
SEC. 15
T.10N-R.5E

CONTINUED ON PAGE 2
84.01 ACRE PARCEL OF 6
1/2 MILE: 2648.75
S. 07° 35' 29" E, 1324.38

E. 1/4 COR
SEC. 15
T.10N-R.5E



NOTE: PARCEL B IS INCLUDED IN EXPANSION REFERENCED IN PARAGRAPH 7 OF SAGINAW COUNTY / TAY-DAN CONTRACT
PARCEL "B" 2126193
55.50 AC.±

10 COURSES ALONG THE SOUTH WATERS EDGE OF "SILVER CREEK"

1. N. 73° 41' E, 157.3'
2. N. 89° 47' E, 95.5'
3. N. 60° 27' E, 108.3'
4. N. 53° 49' E, 105.5'
5. N. 54° 03' E, 168.9'
6. N. 54° 52' E, 252.6'
7. N. 54° 36' E, 112.2'
8. N. 49° 14' E, 154.7'
9. N. 65° 52' E, 136.6'
10. N. 57° 57' E, 45.6'

6 COURSES ALONG REFERENCE LINE

1. N. 73° 07' 43" E, 153.01'
2. N. 84° 10' 17" E, 92.85'
3. N. 58° 24' 41" E, 385.45'
4. N. 50° 53' 24" E, 253.37'
5. N. 54° 35' 50" E, 264.32'
6. N. 62° 30' 52" E, 222.11'

N. 1/2 LINE
SEC. 15

SILVER CREEK
SOUTH WATERS EDGE

OFFSET
REFERENCE
LINE

PARCEL "A"
17.39 AC.±

N. 09° 55' 16" W, 1188.01'

EXCEPTION

EAST, N. 1/2 LINE
SECTION 15

E. LINE, SEC. 15

33' WIDE
INGRESS / EGRESS
EASEMENT

SE COR
SEC. 15
T.10N-R.5E

S. 1/2 COR.
SEC. 15
T.10N-R.5E

1188.01
S. 09° 55' 16" E
1/2 MILE: 2669.57

S. LINE, SEC. 15

2671.57
N. 00° 37' 19" W

MARSHALL ROAD

CANADA ROAD

NOTE: BEARINGS HAVE BEEN EST. BY PREV. LEACH ENG. INC. REC. IN L13.1424 PG. 1249
NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS -O-

PLAT OF SURVEY FOR

TAYMOUTH LANDFILL

SEC. 15 T.10N-R.5E TAYMOUTH TWP.
SAGINAW COUNTY, MICHIGAN

ROWE ENGINEERING

1440 E. PIERSON 428 N. STATE 317 N. WASHINGTON
FLUORING 313-688-9105 CARO 317-671-1838 OWENS 317-713-6100

DATE JUNE 22, 1987

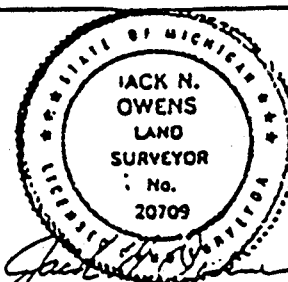
DRAWN PG

SCALE 1" = 100'

CHECKED JND

FIELD JF

REVISED



JOB NO.

F-6807-87-5

SHEET NO. 3 OF 6

CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETED IN ACCORDANCE WITH PUBLIC ACT 132 OF 1870, AND THAT THE METHOD OF CLOSURE OF LATITUDES AND DEPARTURES IS
DESCRIPTION OF LAND SURVEYED:

DESCRIPTION AS SURVEYED:

A parcel of land in the Northeast 1/4 of Section 15, Township 10 North, Range 5 East, Taymouth Township, Saginaw County, Michigan, described as beginning at the North 1/4 corner of said Section; thence along the North line of said Section 15, S89°-05'-09"E, 810.98 feet; thence parallel to the East, North and South 1/8th line, S00°-20'-53"E, 435.70 feet; thence parallel to said North line, S89°-05'-09"E, 200.05 feet; thence parallel to said North and South 1/8th line, S00°-20'-53"E, 364.74 feet; thence parallel to said North line, S89°-05'-09"E, 305.32 feet; thence along said North and South 1/8th line, N00°-20'-53"W, 800.44 feet to said North line; thence along said North line, S89°-05'-02"E, 164.54 feet; thence S00°-22'-12"E, 2680.57 feet; thence along the East & West 1/4 line, N89°-35'-29"W, 1489.92 feet to the Interior 1/4 corner of said Section 15; thence along the North and South 1/4 line of said Section 15, N00°-10'-23"W, 2693.52 feet to the point of beginning, containing 84.01 acres, more or less, and subject to easements and rights of way of record, and subject to the use of the Northerly 33 feet thereof as Rathbun Road.

DESCRIPTIONS PROVIDED BY CLIENT:

The West half of the Northeast Quarter of Section 15, Town 10 North, Range 5 East, Taymouth Township, Saginaw County, Michigan, except the Easterly 305.25 feet of the Northerly 800.25 feet and except the Westerly 200 feet of the Easterly 505.25 feet of the Northerly 435.6 feet thereof, containing 72.39 acres of land, more or less, and subject to the use of the Northerly 33 feet thereof for highway purposes.

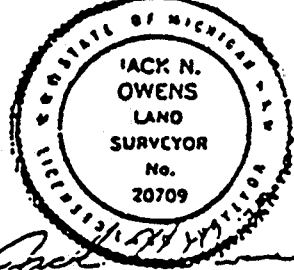
AND

The West 1/2 of the West 1/2 of the West 1/2 of the East 1/2 of the NE 1/4 of Section 15, Township 10 N Range 5 East, Taymouth Township, Saginaw County, Michigan, excluding there from 1/2 of any and all interest which may exist in mineral rights.

PARCEL "A"

A parcel of land in the West 1/2 of the Southeast 1/4 of Section 15, Township 10 North, Range 5 East, Taymouth Township, Saginaw County, Michigan, described as beginning at a point on the North and South 1/4 line of said Section 15 which is N00°-10'-23"W, 330.00 feet from the South 1/4 corner of said Section 15; thence along said North and South 1/4 line N00°-10'-23"W, 329.6 feet to the South waters edge of Silver Creek, (the West end of a reference line bears N00°-10'-23"W, 324.66 feet from said point of beginning) thence along said waters edge in the following ten courses: (1) N73°-41'E, 157.3 feet, (2) N89°-47'E, 95.5 feet, (3) N60°-27'E, 108.3 feet, (4) N53°-49'E, 105.5 feet, (5) N54°-03'E, 168.9 feet, (6) N54°-52'E, 252.6 feet, (7) N54°-36'E, 112.2 feet, (8) N49°-14'E, 154.7 feet, (9) N65°-52'E, 186.6 feet, and (10) N57°-57'E, 117.6 feet; thence parallel with said North and South 1/4 line, S00°-10'-23"E, 996.55 feet to the East end of said reference line (which is located by the following six courses from said West end: (1) N74°07'43"E, 158.09 feet, (2) N34°10'17"E, 96.85 feet, (3) N58°26'48"E, 385.45 feet, (4) N50°53'54"E, 253.39 feet, (5) N54°35'50"E, 264.32 feet, and (6) N62°30'22"E, 222.11 feet); thence continuing from said East end of the reference line S00°10'23"E, 996.55 feet; thence

NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS -O-

<p>FLAT OF SURVEY FOR</p> <p>TAYMOUTH LANDFILL</p> <p>SEC. 15 T.10N. R.5E Taymouth TWP Saginaw COUNTY, MICHIGAN</p>			
<p>ROWE ENGINEERING</p> <p>1640 C. PIERSON FLUORINE 313-466-9103</p> <p>INCORPORATED 420 N. STATE CARU 317-675-1636</p> <p>217 N. WASHINGTON OWEN 317-711-0100</p>			
DATE June 16, 1987	DRAWN P.N.B.		
SCALE	CHECKED JNO		
SHEET NO. 4 of 6	FIELD J.M.F.	REVISED	<p>Job No. F-6807-87-S</p>

CERTIFICATE.

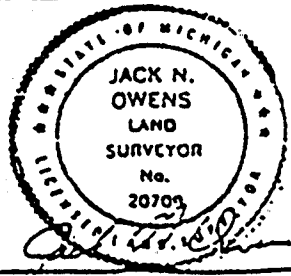
I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETED IN ACCORDANCE WITH PUBLIC ACT 132 OF 1970, AND THAT THE RATIO OF CLOSURE OF LATITUDES AND DEPARTURES IS
DESCRIPTION OF LAND SURVEYED:

N89°55'16"W, parallel with the South line of said Section 15, 1188.01 feet to the point of beginning. Containing 17.39 acres, more or less, and subject to easements and rights of way of record, and subject to the use of the following described easement for ingress and egress which is described as beginning at a point on the South line of said Section 15 which is S89°55'16"E, 1188.01 feet from said South 1/4 corner; thence continuing along said South line S89°-55'-16"E, 33.00 feet; thence N00°-10'-23"W, 363.00 feet; thence N89°-55'-16"W, 33.00 feet; thence S00°-10'-23"E, 363.00 feet, to the point of beginning, said easement being subject to the use of the Southerly 33 feet thereof as Canada Road.

PARCEL "B"

A parcel of land in the West 1/2 of the Southeast 1/4 of Section 15, Township 10 North, Range 5 East, Taymouth Township, Saginaw County, Michigan, described as beginning at a point on the South line which is S89°55'16"E, 1188.01 feet from the South 1/4 corner of said Section 15; thence parallel with the North and South 1/4 line of said Section 15, N00°-10'-23"W, 1344.1 feet to the South waters edge of Silver Creek, (the East end of an offset reference line lying Southerly of said South waters edge of Silver Creek bears N00°-10'-23"W, 1326.55 from said point of beginning); thence along said water edge in the following ten courses: (1) S57°-57'W, 45.6 feet; (2) S65°-52'W, 186.6 feet, (3) S49°-14'W, 154.7 feet, (4) S54°-36'W, 112.2 feet, (5) S54°-52'W, 252.6 feet, (6) S54°-03'W, 168.9 feet, (7) S53°-49'W, 105.5 feet, (8) S60°-27'W, 108.3 feet, (9) S82°-47'W, 95.5 feet, and (10) S73°-41'W, 157.3 feet to said North and South 1/4 line; thence along said North and South 1/4 line, N00°-10'-23"W, 2027.0 feet to the Interior 1/4 corner of said Section 15 (said Interior 1/4 corner bears N00°-10'-23"W, 2045.60 feet from the West end of said offset reference line, said West end being located by the following six courses from said East end: (1) S62°-30'-22"W, 222.11 feet, (2) S54°-35'-50"W, 264.32 feet, (3) S50°-53'-54"W, 253.39 feet, (4) S58°-26'-48"W, 385.45 feet, (5) S84°-10'-17"W, 96.95 feet, and (6) S74°-07'-43"W, 158.09 feet); thence along the East and West 1/4 line of said Section 15, S89°-35'-29"E, 1324.38 feet; thence along the East, North and South 1/8th line, S00°-23'-49"E, 2679.09 feet; thence along the South line of said Section 15, N89°-55'-18"W, 146.77 feet to the point of beginning; containing 55.50 acres, more or less, and subject to easements and rights of way of record, and subject to the use of the Southerly 33 feet thereof as Canada Road.

NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS :O

<p>FLAT OF SURVEY FOR TAYMOUTH LANDFILL</p> <p>SEC. 15 T10N-R5E Taymouth TWP. Saginaw COUNTY, MICHIGAN</p>			
<p>ROWE ENGINEERING</p> <p>1640 E PIERSON INDEPENDENCE 410 N. STATE 217 N WASHINGTON FLUORING 313-688-5100 CARRI 317-671-7030 OWENS 317-713-0100</p>			
DATE	June 16, 1987	DRAWN	P.N.B.
SCALE		CHECKED	J.M.F.
SHEET NO.	5 of 6	FIELD	J.M.F.
		REVISED	
		<p>JOB NO. F-6807-87-S</p>	

CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED SURVEY HAS BEEN COMPLETE. ACCORDANCE WITH PUBLIC ACT 132 OF 1970. AND THAT THE METHOD OF CLOSURE OF LATITUDES AND DEPARTURES IS

DESCRIPTION OF LAND SURVEYED:

SECTION CORNER WITNESSES

N 1/4 Cor., Sec. 15, T10N-R5E

Set re-rod w/cap #20709

S80°E, 17.86' fnd nail & disk in N. face p.p.
0.8' above ground

S80°E, 17.92' fnd nail & disk in N. Face p.p.
1.2' above ground

N45°E, 68.70' fnd nail & disk in W. face p.p.

S25°W, 64.98' set nail & flag in E. face 30" poplar

S10°E, 26.84' top center 18" cmp

N10°E, 24.11' fnd notch in top center 18" cmp

N50°W, 44.38' top center 12" cmp

E 1/4 Cor., Sec. 15, T10N-R5E

Fnd 3/4" pipe

West 76.08' set nail & flag in N. face 10" Oak

N40°E, 67.70' fnd bent nail in W. face 8" Aspen

N70°E, 84.90' set nail & flag in N. face 40" Oak

S60°E, 80.46' set nail & flag in SW face 10" Aspen

SE Cor., Sec. 15, T10N-R5E

Fnd 1" pipe

N45°W, 54.20' fnd nail & disk in E. face p.p.

N40°W, 48.30' road sign post

N70°E, 51.55' set rod & cap

S70°E, 49.53' set rod & cap

S70°W, 59.50' set rod & cap

N45°E, 49.80' top center telephone riser

S45°W, 41.97' top center telephone riser

S40°E, 33.23' E. edge stop sign post

NE Cor., Sec. 15, T10N-R5E

Fnd 1/2" rod in mon. box

N40°E, 63.31' SW face street sign post

S40°E, 84.51' 24" Oak

S60°W, 93.31' set nail & flag in NW face 8" Oak

N40°W, 93.47' fnd nail & cap in SE face p.p.

N40°E, 94.05' fnd nail & disk in SW face p.p.

S45°E, 64.19' fnd nail & disk in NE face p.p.

NW Cor., Sec. 15, T10N-R5E

Fnd 1/2" square rod

N45°W, 66.66' fnd nail & disk in SW face p.p.

S60°W, 39.32' set rod & cap

N40°E, 57.64' fnd nail & disk in W. face p.p.

S40°E, 51.03' top center telephone riser

Interior 1/4 Cor., Sec. 15, T10N-R5E

Set rod & cap #20709

N20°W, 11.61' set nail & flag in E. face 18" Red Oak

West 11.59' set nail & flag in N. face 12" Red Oak

S35°E, 17.04' set nail & flag in SW face 12" Twin Hickory

S10°E, 36.40' set nail & flag in W. Face 12" Red Oak

East 26.55' set nail & flag in W. face 24" White Oak

SW Cor., Sec. 15, T10N-R5E

Fnd 1" rod

S50°E, 30.63' set rod & cap

S05°W, 17.80' W. edge W. sign post

N30°W, 76.65' fnd P.K. & flag in E.

face cut-off p.p.

N30°W, 76.70' fnd P.K. & flag in W. face

cut-off p.p.

N40°E, 54.40' fnd P.K. & flag in SW face

p.p.

S 1/4 Cor., Sec. 15, T10N-R5E

Fnd 1" rod

S65°E, 72.45' fnd nail & disk S. face cut-off p.p.

N05°E, 50.43' fnd nail & disk in E. face p.p.

N70°E, 68.05' set rod & cap

S55°W, 23.70' set rod & cap

W 1/4 Cor., Sec. 15, T10N-R5E

Fnd 3/4" pipe raised w/1/2" rod & cap

#20709

N88°W, 16.61' fnd P.K. & flag in E. face

48" Oak

N40°E, 51.41' set nail & flag in SE face

30" Oak


N35°W, 45.47' top center telephone riser

S30°W, 66.66' set nail & flag in NW face

10" Elm

S30°E, 57.72' E. edge sign post

NOTE: IRONS HAVE BEEN PLACED AT ALL POINTS MARKED THUS -O

<p>PLAT OF SURVEY FOR TAYMOUTH LANDFILL</p>		
<p>SEC. 15 T 10N-R5E Taymouth TWP. Saginaw COUNTY, MICHIGAN</p>		<p>JOB NO. P-6807-87-S</p>
<p>ROWE ENGINEERING INCORPORATED 1440 E. PIERSON FLUORINE 313-600-3100 420 N. STATE CARGO 317-673-1000 217 N. WASHINGTON OWENS 317-723-0100</p>		
<p>DATE June 17, 1987</p>	<p>DRAWN PG</p>	
<p>SCALE 1" = 800'</p>	<p>CHECKED JNO</p>	
<p>SHEET NO. 6 of 6</p>	<p>FIELD JF</p>	<p>REVISED</p>

February 25, 1993

Schedule of annual disposal limits at Tay Ban Corporation's facility:

These yards will be measured by monthly reporting of gate yards and compacted yards.

<u>Year</u>	<u>Amount in cip yards</u>
1	The total limit over the first five years is 1,625,000 compacted in place cubic yards.
2	
3	
4	
5	
6	325,000 cip
7	325,000 cip
8	325,000 cip
9	325,000 cip
10	325,000 cip
11	325,000 cip
12	325,000 cip
13	325,000 cip
14	325,000 cip
15	325,000 cip
16	325,000 cip
17	325,000 cip
18	325,000 cip
19	325,000 cip
20	325,000 cip

MONITORING PLAN COMPONENTS

1. Monitor all P.A. 641 operating requirements including license stipulations required. Testing parameters will be included in the monitoring Plan and are subject to update by the DNR and/or at the request of Saginaw County or the facility operators if there is reason to believe that an addition is necessary. All other site testing will be monitored to assure P.A. 641 compliance.
2. Monitor all construction requirements.
3. Monitor all aspects of the Saginaw County Solid Waste Management Ordinance on an ongoing basis. Regular inspections are not to exceed four (4) times per month.
4. All regulatory testing conducted or arranged by the facility's engineers and/or the DNR may be observed by the Saginaw County Health Department, with the opportunity to sample at the same time as the testing agency. The facility shall provide a minimum of 10 days notice of all required sampling events.

All sampling shall be arranged and conducted by the facility, with the opportunity to sample, at the same time, by the Saginaw County Health Department.

5. Logs at each facility will be made available upon request to the Saginaw County Health Department,
 - a. daily and monthly waste stream by quantity, original source, and characteristic,
 - b. leachate information,
 - c. secondary collection system information, and
 - d. any other records for the purpose of enforcing the contract, agreements or ordinance.
6. All required monitoring reports, certification documents, as-built drawings, compliance agreements, and records required by DNR and/or Saginaw County will be forwarded to the Saginaw County Health Department and the DNR simultaneously.

All waste stream reporting, on forms provided by Saginaw County, as required by any contracts, agreements, and/or the Saginaw County Solid Waste Management Ordinance will be sent to the Saginaw County Waste Management Department.

SECTION 260 WASTE STREAM REPORTING

260.1 Each solid waste landfill, incinerator and resource recovery facility included in the Saginaw County Solid Waste Management Plan shall submit to the Designated Solid Waste Agency, on a quarterly basis, the amount of solid waste received each month,

expressed in cubic yards or tons, to be determined from gate receipt records and a manifest system. In addition, each facility must report the following:

- A.** The amount of the incoming and/or processed waste stream that was sent for recycling and the source of these materials.
- B.** The amount of the incoming and/or processed waste stream that was sent for land disposal, and the source of these materials.

260.2 Each community disposing of waste in landfills, incinerators, or resource recovery facilities that are identified within the Saginaw County Solid Waste Management Plan must report annually on a calendar year basis to the Solid Waste Coordinator the following information:

- A.** Volume or weight of residential solid waste collected by or on behalf of the community.
- B.** Volume or weight of residential solid waste delivered to landfills, incinerators, resource recovery facilities, and composting operation.
- C.** Percentage the disposal volume increased or decreased since the previous year for each type of disposal.
- D.** Disposal location(s) utilized by the community.

260.3 All waste stream reports shall be submitted within 10 working days after the end of each calendar quarter on forms provided by the Designated Solid Waste Agency.

SECTION 270 FACILITY CAPACITY REPORTING

270.1 Each sanitary landfill licensee shall retain the services of a State licensed professional engineer from a list of engineers provided by Saginaw County, who will submit annually to the Designated Solid Waste Agency the following information:

- A.** An updated topographic survey and accompanying calculations which will indicate the volume of space remaining to be filled as of the first of January of each year. The volume shall be expressed in cubic yards or acre-feet.
- B.** A calculation of the ratio of the volume of refuse delivered to the facility to the volume of compacted in-place refuse. This ratio, when possible, should be determined based on the previous year(s) experience.
- C.** A projection of the landfill life expectancy based on data supplied in Subsection 260. The projection is to be expressed in years or fractions of years.

- D. All changes in design or operating techniques which would cause change in remaining capacity; and the anticipated effect of these changes on life expectancy.

270.2 Each solid waste disposal area included within the Saginaw County Solid Waste Management Plan other than a sanitary landfill shall annually submit to the Designated Solid Waste Agency the following information:

- A. A statement describing the expected availability to provide volume reduction or disposal capacity of the facility after the first of January of each year.
- B. All changes in facility design or operating techniques which would cause changes in the availability of the facility; and anticipated affect of these changes on the availability.

270.3 All information required by Subsection 270 shall be submitted by January 31 of the following year on forms to be provided by the Solid Waste Office.

SECTION 280 SURCHARGE

280.1 A surcharge will be imposed on each cubic yard disposed of at a landfill to fund the implementation of the Solid Waste Plan according to Attachment A. (Attachment A is not included with Draft 4 of this document.)

280.2 All Surcharge payments shall be submitted within 10 working days after the end of each calendar quarter using the forms provided for Waste Stream Reporting. Surcharge payments are due to the Saginaw County Controller.

280.3 Interest, at the statutory judgement rate, will be charged for all fees received after ten (10) working days.

CONTRACT

1.

People's Garbage Disposal, Inc. will not accept for disposal at its landfill, legally described on the attached Exhibit A, solid waste generated outside of the state of Michigan or outside of the country or transported for disposal from out of the state and country for a period of 20 years. The County shall not include a new or expanded landfill in its Solid Waste Management Plan unless the landfill agrees to the conditions of this paragraph.

2.

People's Garbage Disposal, Inc. will not accept for disposal: (A) hazardous or other toxic waste defined in MCLA 299.504(3) as waste or a combination of waste and other discarded materials including solid, liquid, semisolid, or containing gaseous material which because of its quantity, quality, concentration, or physical, chemical or infectious characteristics may cause or significantly contribute to an increase in mortality or increase in serious irreversible illness or serious incapacitating, but reversible illness, or pose a substantial present or potential hazard to human health or the environment if improperly treated, stored, transported, disposed of or otherwise managed, which is regulated as such and precluded in Type II sanitary landfills; (B) nuclear waste; and (C) medical waste defined in MCLA 333.13805(8) and 13.807(7) as any of the following that are not generated from a household, farm operation, or other agricultural business, a home for the aged or a home health care agency:

1. Cultures and stocks of infectious agents and associated biologicals,
2. Liquid human and animal waste including blood and blood products and body fluids,
3. Pathological waste,
4. Needles, syringes, scalpels and intravenous tubing with needles attached,
5. Contaminated wastes from animals that have been exposed to agents infectious to humans, these being primarily research animals.

JENSEN SMITH & GILBERT P.C., SAGINAW MICHIGAN

PHONE (517) 70-2300

People's Garbage Disposal, Inc. can accept for disposal medical waste that has been decontaminated or is not required to be decontaminated but is packaged in the manner required under part 138 of Act No. 368 of the Public Acts of 1978 and section 13b of Act 641 of 1973 (MCLA 299.413b).

3.

People's Garbage Disposal, Inc. guarantees 343,200 gate yards of capacity per year to Saginaw County based upon an annual limit of 585,000 gate yards. Saginaw County agrees it will have no property interest or right in the capacity guaranteed.

4.

Monthly reports pertaining to waste stream monitoring and enforcement of this contract, including source by county, type by residential, commercial, construction and demolition, soils and asbestos and amount of cubic yards of solid waste by source and type will be submitted to the Saginaw County Solid Waste Office on forms provided by the County. These reports shall not include information regarding pricing, profit, wages, benefits, customers, or other financial information. People's Garbage Disposal, Inc. shall be permitted to carry over 75% of its respective disposal limit annually.

5.

The County shall not use any monies generated from the surcharge to construct a county-owned landfill, to enter into the collection, disposal or processing business, or commingle such monies with the general fund. The County reserves the right to use such funds to prosecute willful violations of paragraphs 2., 3., and 4. of this contract. The monies generated from the surcharge shall be used to fund the Waste Management Department and its related responsibilities and duties.

6.

People's Garbage Disposal, Inc. agrees to the attached monitoring plan for its respective solid waste disposal area and processing facility.

7.

The County of Saginaw agrees to dismiss People's Garbage Disposal, Inc. from the case of County of Saginaw vs. Tay-Ban Corporation, et al., File No. 92-50815-CE-3, and will take affirmative action to dissolve any outstanding injunctions against it. The County agrees to send a letter to the DNR stating that the expansion of the landfill is consistent with the

Saginaw County Solid Waste Management Plan. People's Garbage Disposal, Inc. agrees that it shall not challenge the attached provisions of the Saginaw County Solid Waste Ordinance in a court of competent jurisdiction. Nothing herein, however, shall prevent People's Garbage Disposal, Inc. from challenging the appropriateness of any enforcement, interpretation or implementation of such provisions.

8.

The County shall amend the Saginaw County Solid Waste Management Plan Update of 1990 to conform to the terms of this proposal to accept solid waste as defined in Act 641 of 1978 from the contiguous counties of Bay, Clinton, Genesee, Gratiot, Midland, Shiawassee and Tuscola and as limited in paragraphs 2., 3., and 4. of this contract. If the DNR has not approved a Saginaw County Solid Waste Management Plan consistent with this agreement within 18 months, People's Garbage Disposal, Inc. may declare this agreement null and void. The County shall in the future take any and all legal action to implement this agreement.

9.

This contract may be amended by mutual written agreement of the parties.

10.

Enforcement of the terms of this agreement shall be in accordance with the enforcement provisions of Act 641 of 1978, as amended.

11.

People's Garbage Disposal, Inc. shall offer trash, recyclable and household hazardous waste disposal services to all residential customers in Saginaw County.

12.

This agreement is binding on all successor corporations, partnerships, owners and operators of the landfill.

13.

All trade secrets or commercial or financial information voluntarily provided to the Waste Management Office shall be confidential pursuant to Section 13(1)(g) of the Freedom of Information, Public Act 176 of 1977.

Dated: 2-20-73

PEOPLE'S GARBAGE DISPOSAL, INC.

By James L. Gaertner

Its Chairman

Dated: 2-26-73

COUNTY OF SAGINAW

By James L. Gaertner
James L. Gaertner

Its Chairman

John

PROPERTY LEGAL DESCRIPTION
PEOPLES GARBAGE DISPOSAL, INC.

A PARCEL OF LAND BEING THE NORTHWEST 1/4 OF SECTION 15, T10N, R2E, TAYMOUTH TOWNSHIP, SAGINAW COUNTY, MICHIGAN; MORE PARTICULARLY DESCRIBED AS: BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 15, BEING THE INTERSECTION OF THE CENTERLINE OF EAST RATHBUN ROAD (66 FEET WIDE) WITH THE CENTERLINE OF PETTIT ROAD (66 FEET WIDE); THENCE EAST, ALONG THE NORTH LINE OF SAID SECTION 15 AND THE CENTERLINE OF SAID EAST RATHBUN ROAD, 2639.70 FEET TO THE NORTH 1/4 CORNER OF SAID SECTION 15; THENCE SOUTH 00° 25' 53" EAST, ALONG THE NORTH AND SOUTH 1/4 LINE OF SAID SECTION 15, 2693.21 FEET TO THE CENTER 1/4 CORNER OF SAID SECTION 15; THENCE NORTH 85° 51' 11" WEST, ALONG THE EAST AND WEST 1/4 LINE OF SAID SECTION 15, 2555.41 FEET TO THE WEST 1/4 CORNER OF SAID SECTION 15 IN THE CENTERLINE OF SAID PETTIT ROAD; THENCE NORTH 00° 05' 51" WEST, ALONG THE WEST LINE OF SAID SECTION 15 AND THE CENTERLINE OF SAID PETTIT ROAD, 2585.33 FEET TO THE POINT OF BEGINNING, CONTAINING 163.479 ACRES, MORE OR LESS. SUBJECT TO THE RIGHTS OF THE PUBLIC IN THE NORTH 33.0 FEET AND THE WEST 33.00 FEET THEREOF, SAID NORTH 33 FEET & WEST 33.00 FEET BEING THE SOUTH 1/2 OF EAST RATHBUN ROAD (66 FEET WIDE) AND THE EAST 1/2 OF PETTIT ROAD (66 FEET WIDE).

NOTE: DRAWING AND DESCRIPTION ARE BASED UPON A BOUNDARY SURVEY PERFORMED BY McNEELY & LINCOLN ASSOCIATES, INC. (AUGUST 1991).

Attachment to paragraph 4 of the Saginaw County and People's Garbage contract dated February 26, 1993.

MONITORING PLAN COMPONENTS

1. Monitor all P.A. 641 operating requirements including license stipulations required. Testing parameters will be included in the monitoring Plan and are subject to update by the DNR. All other site testing will be monitored to assure P.A. 641 compliance.
2. Monitor all construction requirements.
3. Monitor all aspects of the Saginaw County Solid Waste Management Ordinance on an ongoing basis. Regular inspections are not to exceed four (4) times per month.
4. All regulatory testing conducted or arranged by the facility's engineers and/or the DNR may be observed by the Saginaw County Health Department, with the opportunity to sample at the same time as the testing agency. The facility shall provide a minimum of 10 days notice of all required sampling events.

All sampling shall be arranged and conducted by the facility, with the opportunity to sample, at the same time, by the Saginaw County Health Department.

5. Logs at each facility will be made available upon request to the Saginaw County Health Department.
 - a. daily and monthly waste stream by quantity, original source by county, and characteristic,
 - b. leachate information,
 - c. secondary collection system information if applicable, and
 - d. any other records for the purpose of enforcing the contract, agreements or ordinance, subject to provision 4 of the contract.
6. All required monitoring reports, certification documents, as-built drawings, compliance agreements, and records required by DNR and/or Saginaw County will be forwarded to the Saginaw County Health Department and the DNR simultaneously.

All waste stream reporting, on forms provided by Saginaw County, as required by any contracts, agreements, and/or the Saginaw County Solid Waste Management Ordinance will be sent to the Saginaw County Waste Management Department.

SECTION 260 WASTE STREAM REPORTING

260.1 Each solid waste landfill, incinerator and resource recovery facility included in the Saginaw County Solid Waste Management Plan shall submit to the Designated Solid Waste Agency, on a quarterly basis, the amount of solid waste received each month, expressed in cubic yards or tons, to be determined from gate receipt records and a manifest system. In addition, each facility must report the following:

- A. The amount of the incoming and/or processed waste stream that was sent for recycling and the source by county of these materials.
- B. The amount of the incoming and/or processed waste stream that was sent for land disposal, and the source of these materials.

260.3 All waste stream reports shall be submitted within 10 working days after the end of each calendar quarter on forms provided by the Designated Solid Waste Agency.

SECTION 270 FACILITY CAPACITY REPORTING

270.1 Each sanitary landfill licensee shall retain the services of a State licensed professional engineer who will submit annually to the Designated Solid Waste Agency the following information:

- A. An updated topographic survey and accompanying calculations which will indicate the volume of space remaining to be filled as of the first of January of each year. The volume shall be expressed in cubic yards or acre-feet.
- C. A projection of the landfill life expectancy based on data supplied in Subsection 260. The projection is to be expressed in years or fractions of years.
- D. All changes in design or operating techniques which would cause change in remaining capacity; and the anticipated effect of these changes on life expectancy.

270.2 Each solid waste disposal area included within the Saginaw County Solid Waste Management Plan other than a sanitary landfill shall annually submit to the Designated Solid Waste Agency the following information:

- A. A statement describing the expected availability to provide volume reduction or disposal capacity of the facility after the first of January of

each year.

- B. All changes in facility design or operating techniques which would cause changes in the availability of the facility; and anticipated affect of these changes on the availability.

270.3 All information required by Subsection 270 shall be submitted by January 31 of the following year on forms to be provided by the Solid Waste Office.

SECTION 280 SURCHARGE

280.1 A surcharge will be imposed on each cubic yard disposed of at a landfill to fund the implementation of the Solid Waste Plan according to Attachment A. (Attachment A is not included with Draft 4 of this document.)

280.2 All Surcharge payments shall be submitted within 10 working days after the end of each calendar quarter using the forms provided for Waste Stream Reporting. Surcharge payments are due to the Saginaw County Controller.

280.3 Interest, at the statutory judgement rate, will be charged for all fees received after ten (10) working days.



Ms. Christina Pecoraro
Saginaw County
400 Court Street
Saginaw MI 48602

February 12, 1998

Re: Request for information for Saginaw County Solid Waste
Planning Commission

Dear Ms. Pecoraro:

Per your request, attached is the following information for the General Motors Powertrain - Saginaw Metal Casting Operations (SMCO) Type III landfill, Facility I.D. 73000035. The landfill is used only for Type III wastes from the two GM foundries in Saginaw (SMCO and Saginaw Malleable Iron). This information is estimated for the year ending, December 1997.

Current Capacity - 6.1 million cubic yards

Estimated Lifetime - 49 years

Annual Days of operation - 240 days per year

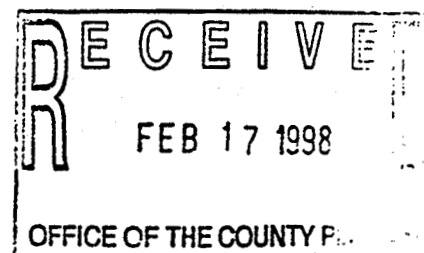
Annual disposal volume - 127,000 cubic yards

Please call me at 757-1473, if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Raymond A. Ilkka".

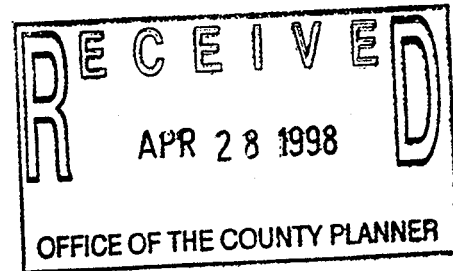
Raymond A. Ilkka,
General Supervisor
Environmental Activities





Citizens Disposal

2361 West Grand Blanc Road
Grand Blanc, Michigan 48439
810.655.4207
810.655.4147 fax



April 22, 1998

Saginaw County Metropolitan Planning Commission
400 Court Street
Saginaw, MI 48602
PHONE: (517) 797-6800

Attn: Christina Pecoraro, Associate Planner

Re: Solid Waste Plan Update

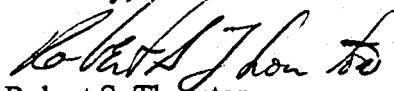
Dear Ms. Pecoraro:

Citizens Disposal, Inc. operates a licensed Type II solid waste landfill pursuant to Part 115 of Public Act 451. The facility, through current county planning, is authorized to receive waste from Saginaw County. We wish to be able to continue accepting waste from Saginaw County. We support open markets for solid waste streams, allowing the greatest flexibility for generators, transporters, and disposal facilities to conduct their business according to communities' disposal needs. We support efforts to encourage the unrestricted flow of solid waste.

Volumes from Saginaw County have varied dramatically based upon market conditions, ranging from zero to as much as 900 cubic yards per day over the last several years. These waste streams have included residential, commercial, industrial, and special waste.

Please contact me should you have any further questions regarding this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert S. Thornton".

Robert S. Thornton
Manager

Cc: Tom Goergen, Assistant Director, Genesee County Metropolitan Planning Comm.
Laurie Kendall, Allied Waste Industries



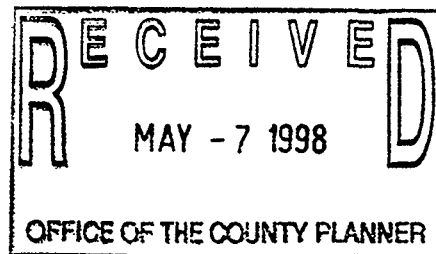
Waste ManagementSM

Grand Rapids Customer Service Center
1668 Porter Street, S.W.
Grand Rapids, Michigan 49509-1796

Phone 616 538 3750

May 1, 1998

Mr. William Wright, Director
Saginaw County Planning Department
400 Court Street
Saginaw, MI 48602



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 out host counties of your intentions and request that they also include you in their plans.

May 1, 1998

Page 2

Mr. William Wright, Director
Saginaw County Planning Department
Saginaw 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.



Jeff Poole
Manager, Business Development

File: Saginaw County, 517/797-6800

Venice Park - Shiawassee County

Shiawassee

Genesee

Saginaw

Lapeer

Oakland

Midland

Livingston

Ingham

Clinton

Eaton

Gratiot

Bay

Isabella

Lake

Mecosta

Newago

Osceola

Ionia

Montcalm



VENICE PARK RECYCLING & DISPOSAL FACILITY
A WASTE MANAGEMENT COMPANY

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

March 25, 1999

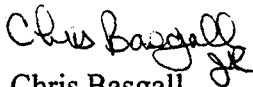
Mr. William Wright, Director
Saginaw County Planning Department
400 Court Street
Saginaw, Mi. 48602

Dear Mr. Wright,

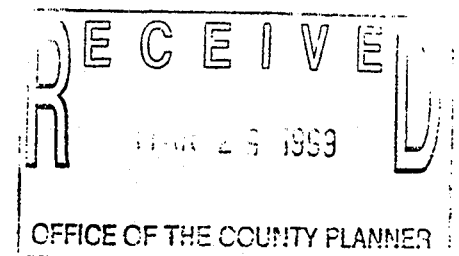
This letter shall serve as Venice Park's formal request to be included as a primary disposal site in the Saginaw County Solid Waste Plan. Waste is approved to leave Saginaw County and be disposed of at Venice Park in the Shiawassee County Solid Waste Plan. Currently, Venice Park has 900,000 cu. yds. 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 Saginaw Countys solid waste. If you have questions regarding this communication, please feel free to call me at 810-621-9080.

Sincerely,


Chris Basgall

cc: Terry Cooney



Waste management letter 3

Waste Management / Venice Park Letter

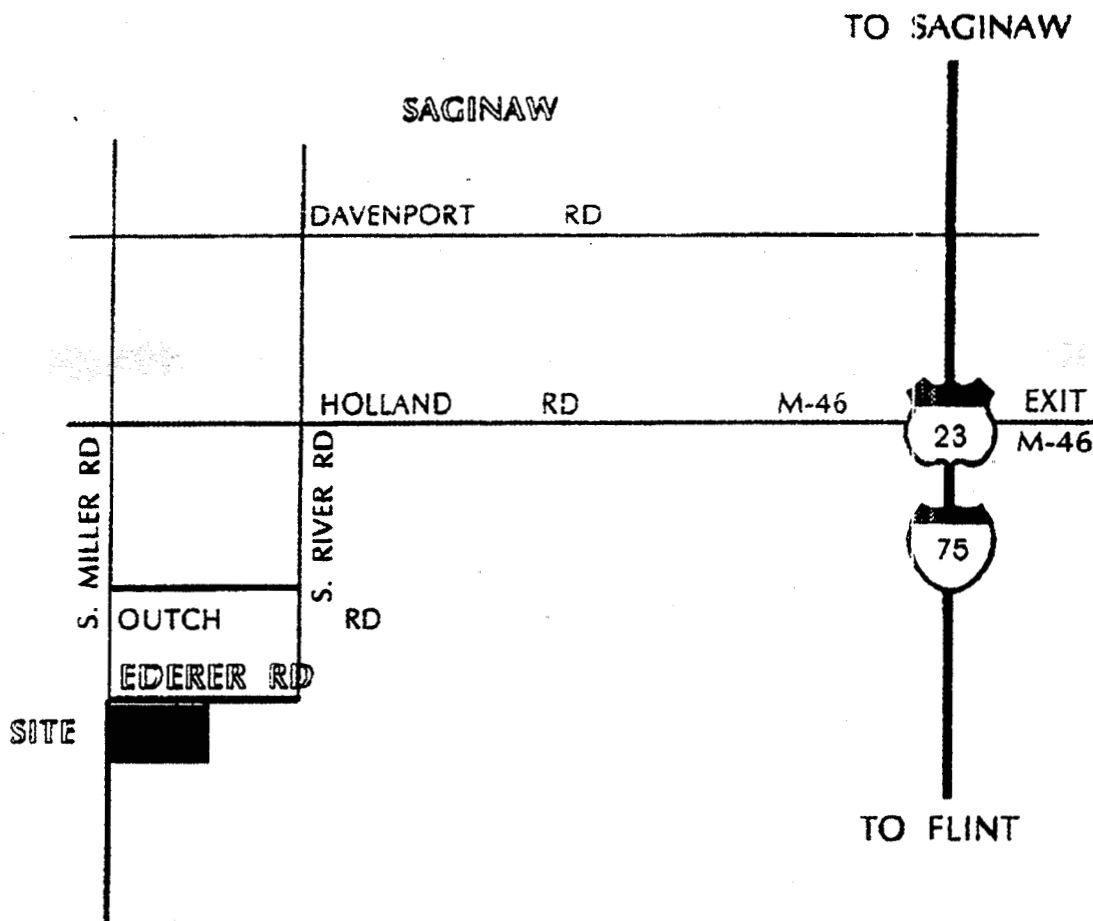
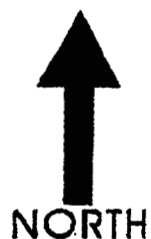
PUBLIC PARTICIPATION

Maps

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

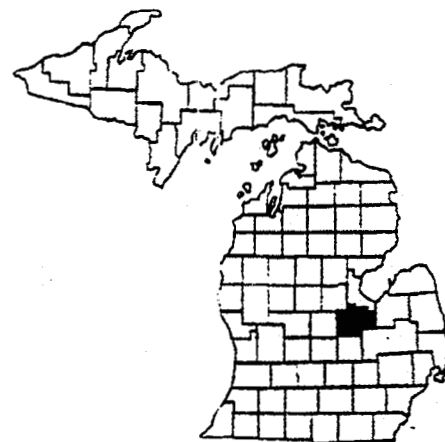
See following pages.

SAGINAW VALLEY LANDFILL



SAGINAW VALLEY LANDFILL
2145 S. MILLER ROAD
SAGINAW, MI

PHONE: (517) 781-1557





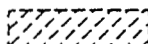

SAGINAWCOUNTY, MI

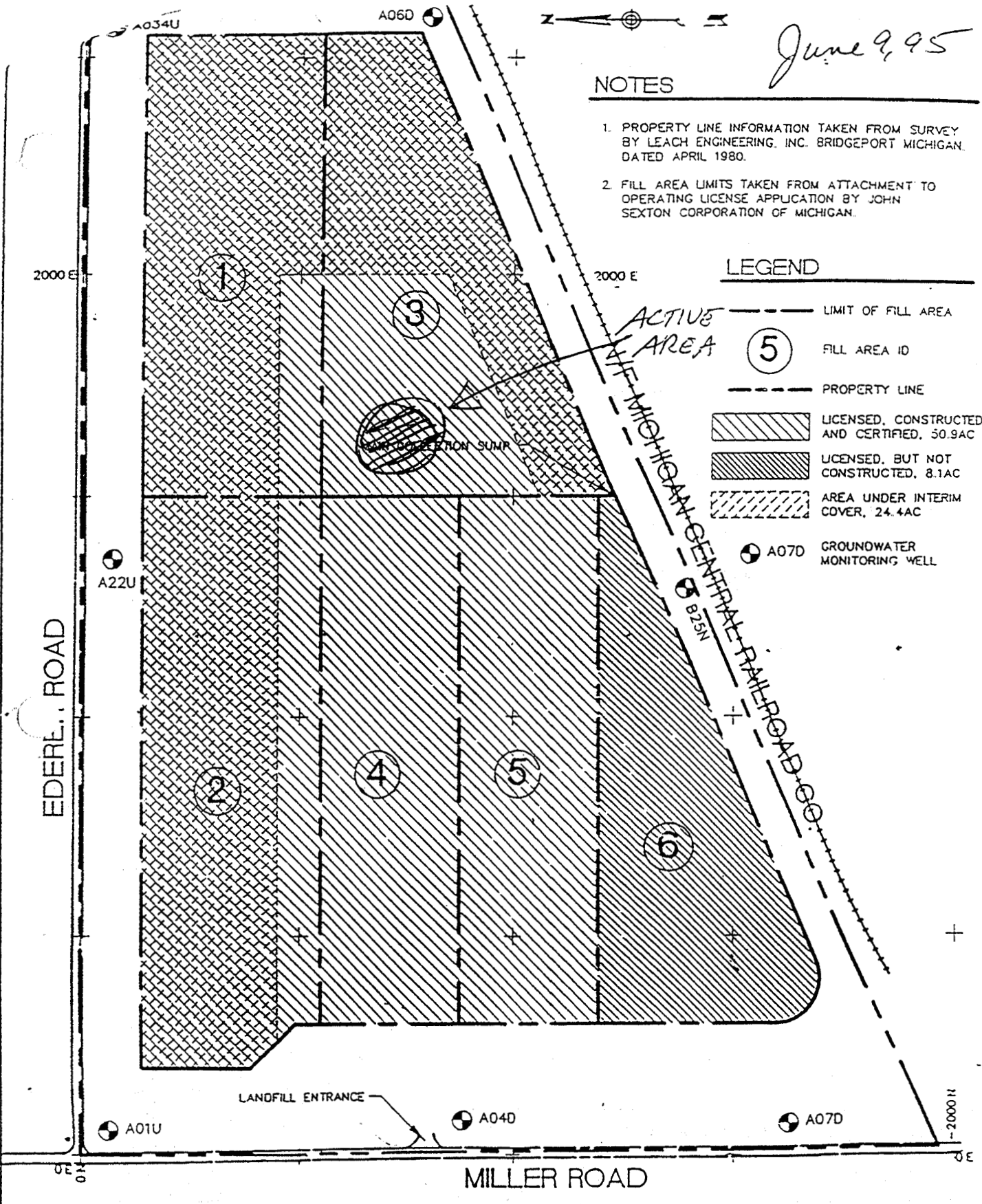
June 9, 95

NOTES

1. PROPERTY LINE INFORMATION TAKEN FROM SURVEY BY LEACH ENGINEERING, INC. BRIDGEPORT MICHIGAN, DATED APRIL 1980.
2. FILL AREA LIMITS TAKEN FROM ATTACHMENT TO OPERATING LICENSE APPLICATION BY JOHN SEXTON CORPORATION OF MICHIGAN.

LEGEND

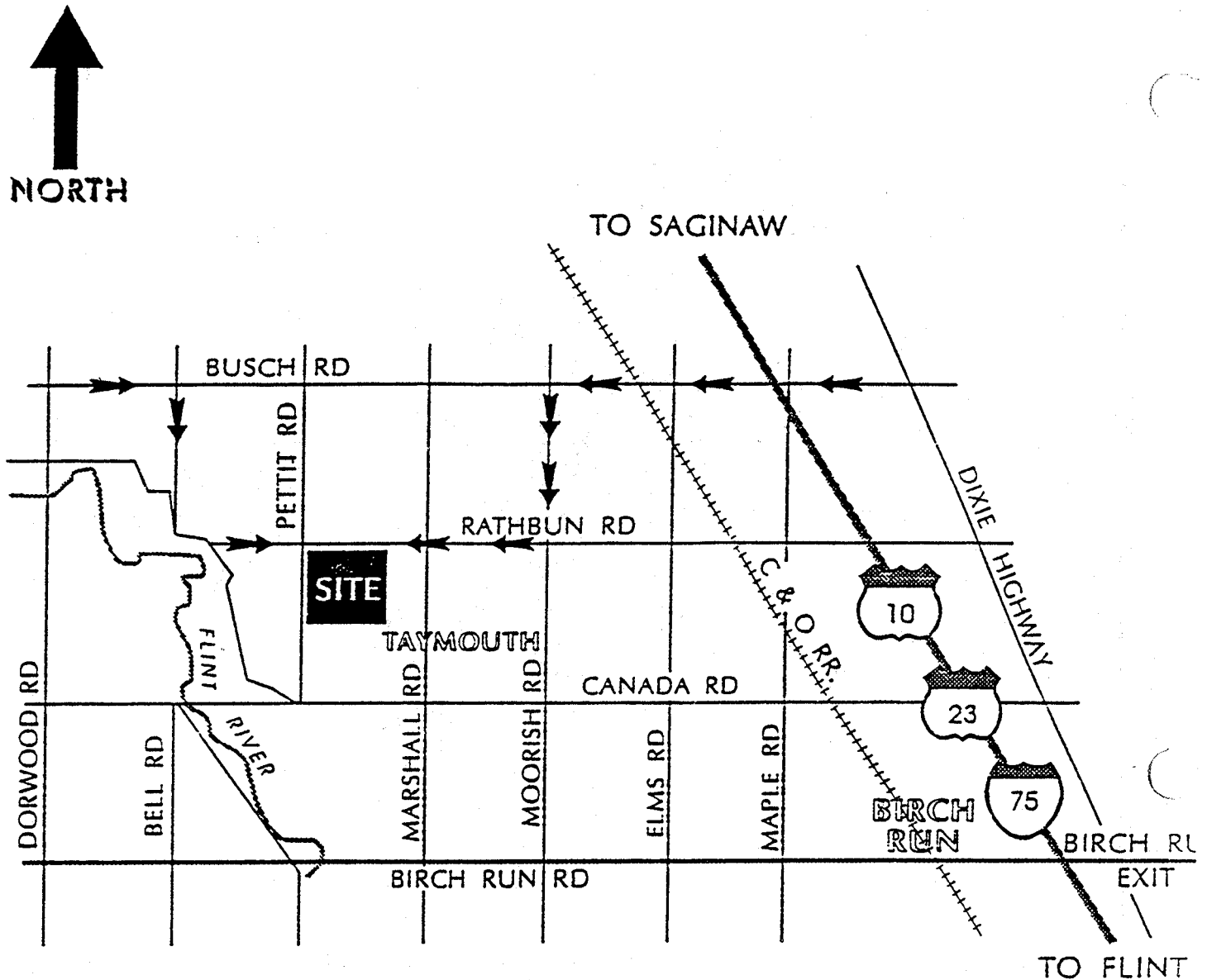
- LIMIT OF FILL AREA
- ⑤ FILL AREA ID
- PROPERTY LINE
-  LICENSED, CONSTRUCTED AND CERTIFIED, 50.9AC
-  LICENSED, BUT NOT CONSTRUCTED, 8.1AC
-  AREA UNDER INTERIM COVER, 24.4AC
-  A07D GROUNDWATER MONITORING WELL



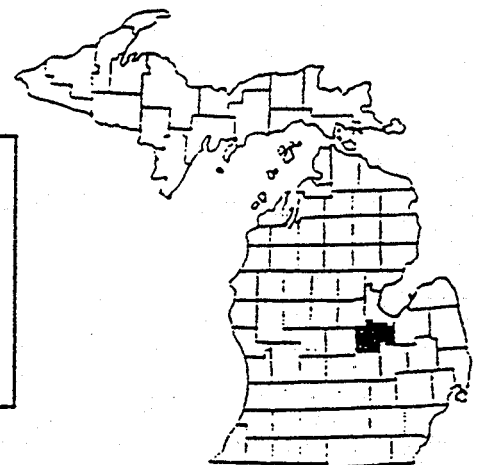
JOB No.: 953-9568	SCALE: 1"=300'	SAGINAW VALLEY LANDFILL SITE CONFIGURATION
DATE: 03/09/95	DATE: 03/09/95	
FILE No.: SVL-0002	FILE No.: SVL-0002	
Golder Associates		JOHN SEXTON CORP. OF MICHIGAN

PEOPLES GARBAGE DISPOSAL, INC.

DESIGNATED HAUL ROUTE



PEOPLES GARBAGE DISPOSAL, INC.
4143 EAST RATHBUN ROAD
BIRCH RUN, MICHIGAN 48415
MID 005 659 072
PHONE: (517) 777-1120

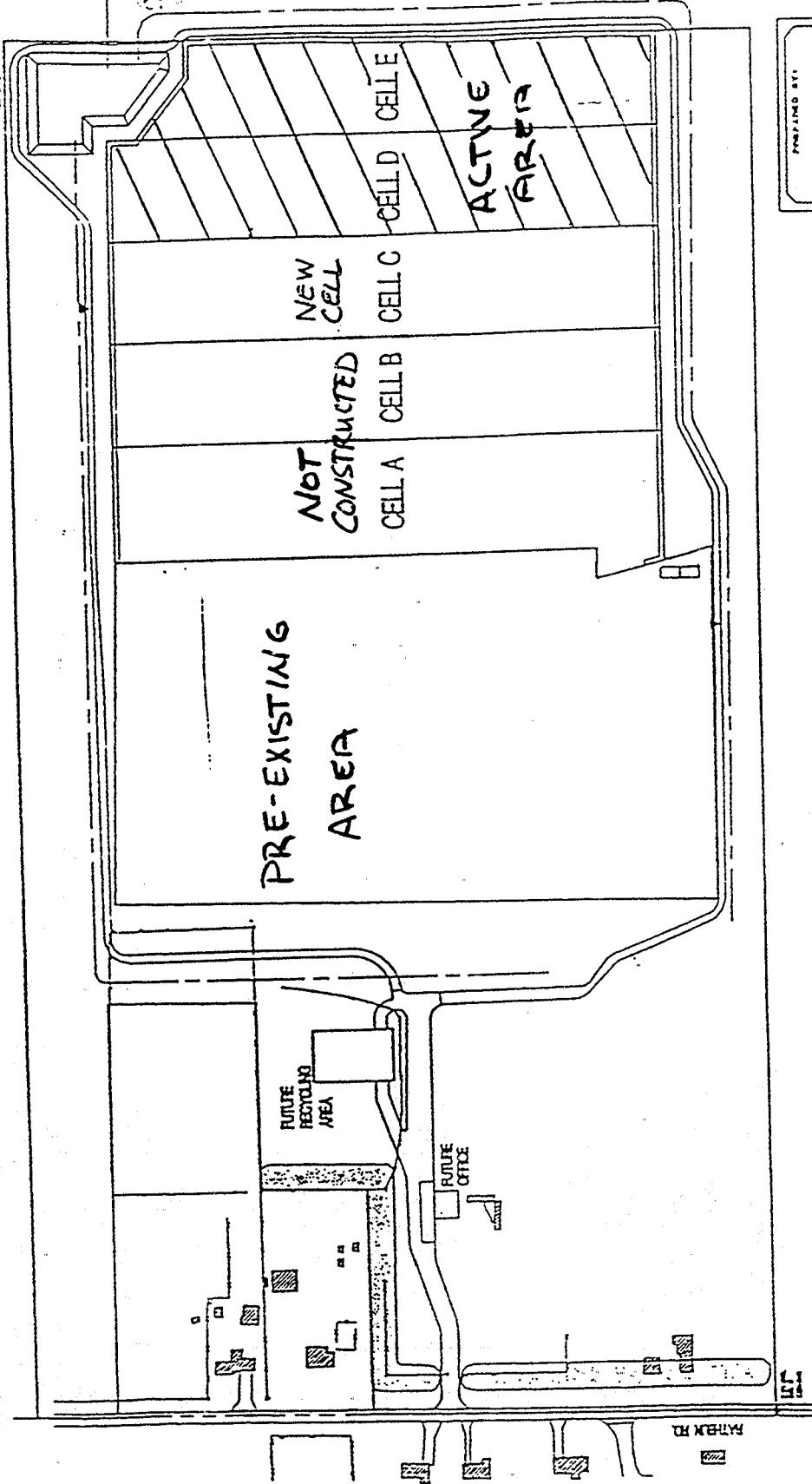


SAGINAW COUNTY, M

TAYMOUTH LANDFILL EXPANSION



REGISTRATION
BLANK



PREPARED BY:
NOVA Environmental Inc. 1992
PROJECT NO. 1000
DATE: MAY 1992
BY: [Signature]
CHECKED BY: [Signature]

MAY, 1992

General Site Plan

REVISED	DATE	BY

PROPERTY LINE
92 ACRE LICENSED AREA

LEGEND

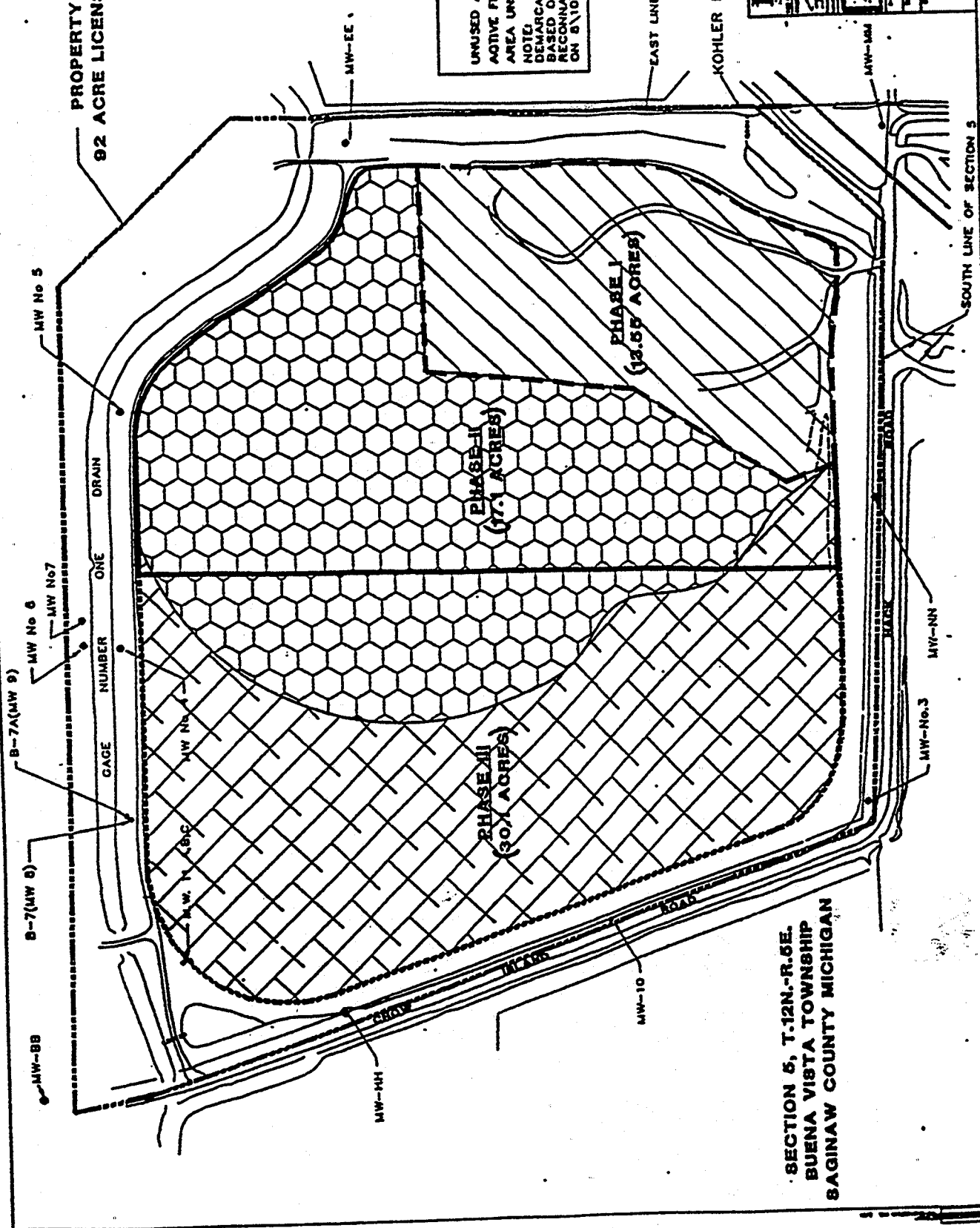
☐ UNUSED AREA
☒ ACTIVE FILL AREA
☒ AREA UNDER INTERNAL COVER

NOTE:
 DEMARCATION LINES ARE APPROXIMATE
 BASED ON A VISUAL SITE
 RECONNAISSANCE PERFORMED
 ON 8/10/1994

RC
 R.C. CONSULTING, INC.
 10000 E. 14TH AVE., SUITE 200
 TROY, MI 48065-1500
 (313) 781-1100
 FAX (313) 781-1101
 E-MAIL: R.C. CONSULTING@AOL.COM
 WWW: WWW.RCCONSULTING.COM

Project:
 CROW ISLAND LANDFILL
 SECTION 5, T.12N.-R.5E.
 BUENA VISTA TOWNSHIP
 SAGINAW COUNTY MICHIGAN

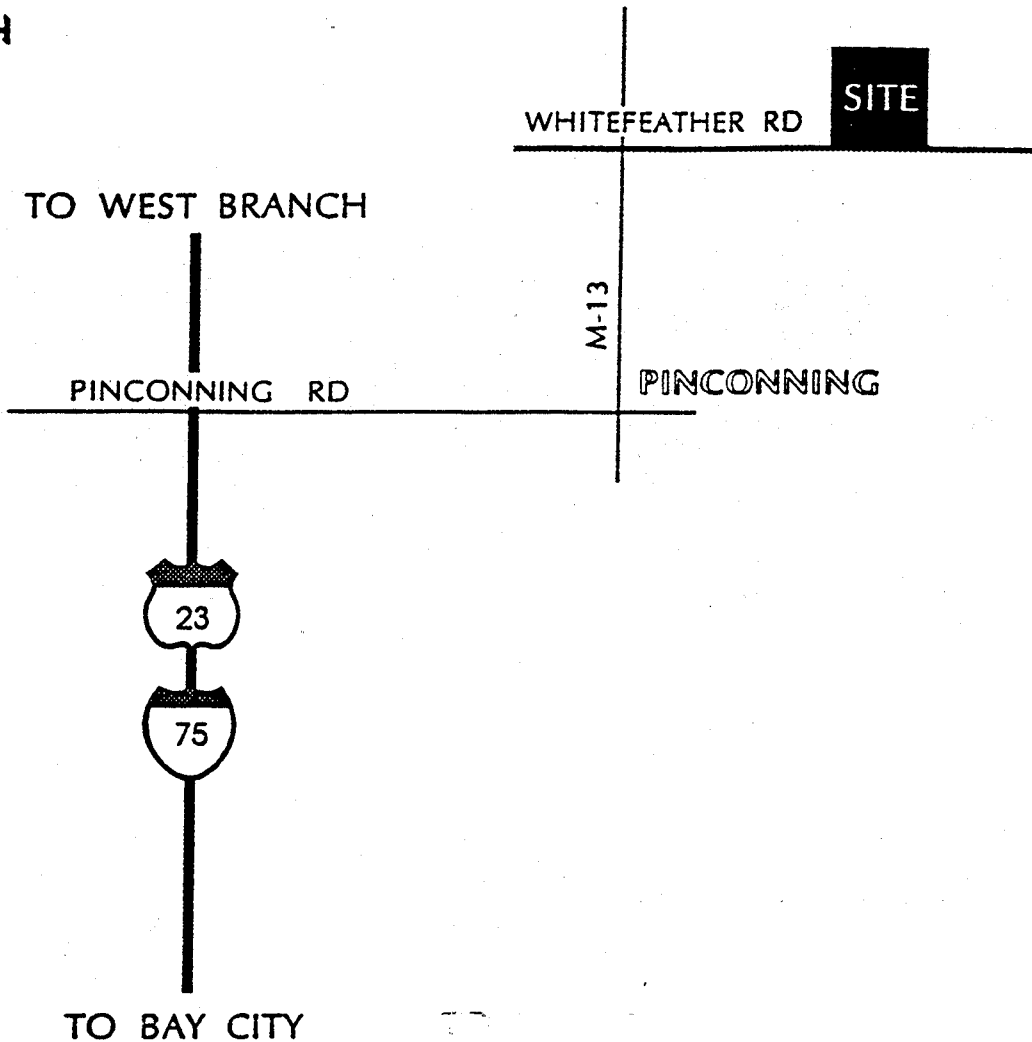
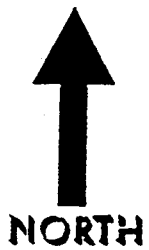
Date: 8/10/1994
Scale: AS SHOWN
Drawn by: [Signature]
Checked by: [Signature]
Approved by: [Signature]



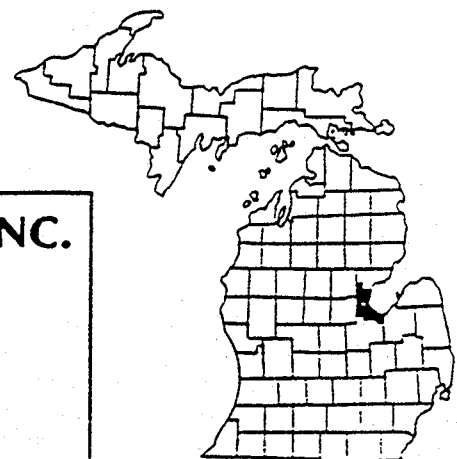
SECTION 5, T.12N.-R.5E.
 BUENA VISTA TOWNSHIP
 SAGINAW COUNTY MICHIGAN

WHITEFEATHER ROAD LANDFILL, INC.

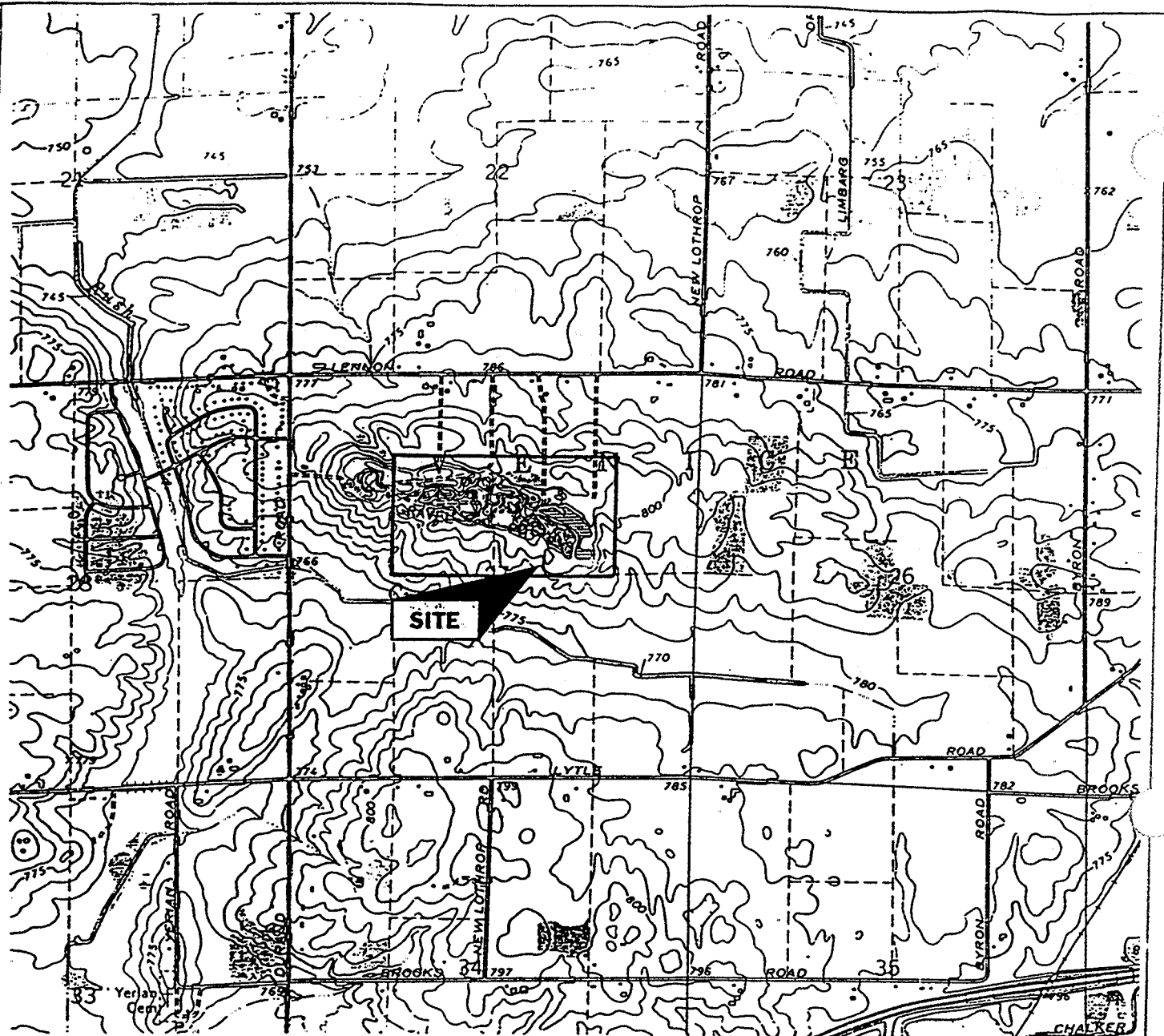
02.01.00



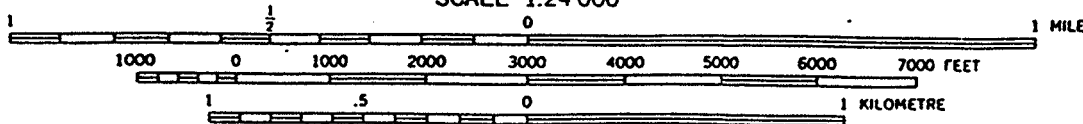
WHITEFEATHER ROAD LANDFILL, INC.
2401 WHITEFEATHER ROAD
P.O. BOX 887
PINCONNING, MI 48650
MIG - 000 027 562
PHONE: (517) 879-2700



BAY COUNTY, MI



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



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

Inter-County Agreements

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

N/A

PUBLIC PARTICIPATION

Special Conditions

Special conditions affecting import or export of solid waste.

Contiguous Counties:

This plan continues to authorize the seven contiguous counties for import and export of wastes across county borders. Reciprocal agreements are not required for the seven contiguous counties, but are preferred. If the authorized contiguous county meets all authorized conditions, waste may be transferred between counties without a reciprocal agreement.

The three conditions are:

- 1) The waste volumes flowing between borders must not be higher than the identified maximum daily volumes (listed in tables)
- 2) The contiguous counties must provide the Supporting Information for Import/Export Authorizations (found below) to the DPA in order for Saginaw County to **import** their waste.
- 3) Both Counties (the sending and the receiving) must explicitly authorize the import/export of waste in each other's approved Solid Waste Management plan (Part 115 of Act 451).

If one or more of these authorized conditions in the Plan are not met, a contiguous county is not authorized to import/export waste to and from Saginaw County until such time that all of the authorized conditions are met.

Upon receipt of the Supporting Information for Import/Export Authorizations by the Designated Planning Agency (Saginaw County Metropolitan Planning Commission), waste may begin flowing across the borders of the seven contiguous counties as long as all of the authorized conditions are met. A reciprocal agreement, for any amount up to the identified volume, as listed in the import/export tables, may be signed by the Chairman of the Saginaw County Board of Commissioners without further approval from the Board of Commissioners. These agreements would expire no later than December 31, 2004.

SUPPORTING INFORMATION FOR IMPORT/EXPORT AUTHORIZATIONS - CONTIGUOUS COUNTIES

1. Name, address and phone number of applicant/contact person
2. Identify Counties and/or businesses involved
3. Identify proposed quantities, points of origin, and types of potential material for transfer between counties
4. Describe Solid Waste alternatives (recycling, composting, resource recovery and reduction programs and technologies) in place in any communities or service areas within the subject county.
5. If agreements/authorizations are intended to be for less than the lifetime of this Solid Waste Plan

(through December 31, 2004), specify the time frame contemplated for the agreement

6 Include facility descriptions for solid waste disposal areas in the subject county (refer to DEQ standard format).

7 List which counties are explicitly authorized for import and export of waste in the subject county's plan.

Non-Contiguous Counties

Due to a number of recent waste industry mergers, competition has been somewhat limited in mid-Michigan. Based on this fact, the County will allow any Saginaw County citizen, business or municipality to request at any time that the County authorize a non-contiguous county in the Plan for the transfer of waste (with a reciprocal agreement or in conjunction with the authorized conditions set forth in this section). Saginaw County will also allow anyone from outside the County to submit a proposal for inclusion in the plan, if the proposal is sponsored by a Saginaw County resident, business or municipality, with sponsorship being clearly disclosed.

Each non-contiguous county proposal must contain, at a minimum, the Supporting Information for Import/Export Authorizations listed on previous page, plus the following to even be considered:

1. Name, address and phone number of sponsor
2. Describe what goals from the Saginaw County Solid Waste Management Plan are not presently being met and how the proposed authorization or reciprocal agreement would help to achieve these goals
3. Describe how the proposal increases competition for Saginaw County customers and/or improves the financial health of the company(ies) involved

These proposals shall be submitted to the Saginaw County Designated Planning Agency (Saginaw County Metropolitan Planning Commission). The DPA staff will ensure that each of the above listed items has been answered completely. If the proposal is complete, it will be sent to the Saginaw County Solid Waste Management Planning Committee, at their next quarterly meeting, for further review. If information is incomplete, the application will not be forwarded and the DPA will notify the applicant by letter of the applications shortcomings.

This Saginaw County Solid Waste Management Planning Committee will judge each proposal on the goals and objectives of this plan and criteria which may be adopted by the Planning Committee.

These would include, but are not limited to:

1. Alternative systems in use in the proposed county for inclusion (i.e. Are recycling, composting, and resource recovery occurring in the proposed county to their maximum ability?)
2. Are local companies in poor financial health? Would including additional counties help them become financially stable again?
3. Are there multiple options for disposal of the materials that would be brought into Saginaw or is the other county relying exclusively on Saginaw County for disposal of its waste?
4. How does the proposal impact projections of available landfill capacity for Saginaw County waste?
5. Are all weather roads available for transport of waste between Saginaw County and the subject county?

Once the Solid Waste Committee has met to discuss the proposal initially, a public hearing will be held. The Solid Waste Committee, after the hearing and their own discussion, will make a recommendation to the Saginaw County Board of Commissioners on whether this Solid Waste Management Plan should be amended to include the subject county as an authorized importer/exporter. If the County Board approves the amendment, the local municipalities must then vote on it and have at least 67% approval of the amendment. If there is enough local support, the DEQ must then approve it to officially become a part of the plan. Upon adoption of such a plan amendment, waste may be transferred between borders under the authorized conditions of the plan amendment (in the import/export section) or the Chairman of the Saginaw County Board of Commissioners would be authorized to sign a reciprocal agreement for up to the specified amount.

If the Solid Waste Planning Committee or the Board of Commissioners wants additional information before making their decision, they may assign the acting Designated Planning Agency to compile it.

Upon approval of this Saginaw County Solid Waste Management Plan Update by the MDEQ, all wastes being brought into Saginaw County for disposal from counties other than the above explicitly authorized sources, or those that the Board approves through a special request/plan amendment, will be considered in direct violation of the Plan and P.A. 451.

EDUCATION		
Residential Programs	Frequency	Proposed Implementing Agency
Recycling, compost, and collection Reference Handbook including how to prepare materials for recycling	Yearly	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Video describing SASWMA and its programs	One time	SASWMA
Compost Bin Sale, battery and paint collection day	Yearly	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Multi-Family Handbook	Yearly ?	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Curbside Education Program stickers for haulers to use	On-going	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Commercial/Industrial Programs	Frequency	Proposed Implementing Agency
Awareness - Coordinate with trade associations/HBA	On-going	County and local units, via consultant
Building Permit Stickers	On-going	County and local units via consultant
Highlight successful commercial recycling programs, Fashion Square	One time	County/DPA to compile and publish
Small commercial reference handbook	Yearly?	County, via consultant

PUBLIC PARTICIPATION

General Public, misc. Programs	Frequency	Proposed Implementing Agency
Print /media campaign reinforcing recycling	On-going	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Teacher and school children solid waste educational program to encourage source reduction and increased recycling	On-going	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Increased communication through press releases, story solicitation from print and broadcast media	On-going	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC/DPA
Hartley Education Center display	On-going	Intermediate School District
MSU ext. - Master Gardeners compost education	On-going	Co-op Ext.

ENFORCEMENT		
Facility Programs	Frequency	Proposed Implementing Agency
Record keeping - Begin enforcing existing ordinance	On-going	County DPA
Illegally operating landfills - As they are discovered, the Twp. will turn over to County Public Health Dept. P.H. is responsible for citing these operations in violation and doing follow-up inspections.	On-going	County Public Health
Right of entry and inspection - In ordinance, the County has the right to inspect disposal areas.	On-going	County Public Health
Hauler Program	Frequency	Proposed Implementing Agency
Route enforcement - Weighmaster needs to spend more time in Taymouth and James Twp. (Not just during sugar beet harvest time)	On-going	Saginaw County Road Commission
Township bridges and roads are taking a beating with trucks driving off the haul routes. Study the feasibility of allowing County Sheriff Deputies to ticket trucks for not being on the haul routes regardless of weight County-wide	One time study	County Sheriff/DPA/SWMPC
Currently tickets are written to the company and not the driver. Study feasibility of ticketing the individual driver.	One time study	County Sheriff/Prosecutor?
Ordinance compliance - licensing for information purposes, not monetary gain. If landfill finds an unlicensed hauler, they may allow dumping, but must notify the County immediately, and the DPA will follow up and get the hauler licensed.	On-going	Saginaw County DPA
Generators Program	Frequency	Proposed Implementing Agency

PUBLIC PARTICIPATION

Nuisance/Litter Enforcement		
1. Write a model ordinance- discuss fines for dumping, include MRF and compost guidelines and standards. Each municipality could adopt.	One-time	County DPA/SWMPC/Local Units
2. Hire an officer to enforce against illegal dumping (or help pay salary of environmental health officer)	On-going	Public Health Department
3. Study the feasibility of decriminalizing dumping, making it punishable by a fine rather than by courts and jail time.	One-time	Co. DPA/ Public Health Dept./Attorney
Hazardous waste program should be offered more frequently, in different areas of the County.		Co. Public Health Dept., Haulers
1. More HHW collection days	Monthly, or as finding available	Co. Public Health Dept., Haulers, SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
2. Study feasibility of setting up regional collection centers for HHW drop-off	On-going	Co. Public Health Dept., Haulers, SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
3. Community Wide Clean-up for HHW	Annually?	Co. Public Health, Local units, Haulers
4. More Battery and paint collection days	Annually?	SASWMA or other local organization selected by Solid Waste Committee and approved by the BOC
Study feasibility of ordinance compliance (listed below) vs. developing better communication between generators, haulers and processors.		
1. Local municipalities must submit recycling plans to County; must describe a program which can recycle targeted materials	Every 5 years	DPA/municipalities
2. Commercial and industrial generators must submit audit and recycling plan. Must describe a program which can recycle targeted materials. Must annually certify that the establishment has complied with its previously developed audit and plan	On-going	DPA/Businesses

3. Non-residential or multi-family housing must submit recycling plan. Must annually certify that the establishment has complied with its previously developed audit and plan.	On-going	DPA/ Multi-family housing units
Miscellaneous	Frequency	Proposed Implementing Agency
Any county that is not authorized in our plan is not allows to send waste to Saginaw County or receive Sag. County waste. Any County that does not authorize Saginaw County in their plan will not be allowed to transfer waste to Sag. County or receive Sag. CO. waste	On-going	Saginaw County, DEQ, Landfills

PUBLIC PARTICIPATION

SOURCES OF INFORMATION IN DETERMINING PROJECTIONS

Municipal Sludge

The municipal sludge volumes were based on surveys from the wastewater treatment plants in the County. There are five treatment plants. In the survey, they listed the current volumes of sludge and grit and also five and ten year projections. All of the sludge is land applied. All of the grit is landfilled.

Industrial Sludge

The industrial sludge volumes were based on surveys sent to the five industrial plants that had wastewater treatment systems. In the survey, they listed the current volumes of sludge and also five and ten year projections. The volumes used in the projections are the actual volumes reported from the industries. All industrial sludge is landfilled.

Industrial Waste

The industrial waste volumes were based on the reported volumes of the top industrial employers plus a sampling of about 10 others in the County. The waste that was counted in this calculation is manufacturing waste and construction and demolition waste. On average, the generation per employee was 13.6 lbs/day/employee.

According to the Waste Characterization Study of the Tri-Counties done in 1995, the lbs/employee/day was 18 for manufacturing and 5.75 for construction and demolition (C&D) workers. Feeling that the C&D numbers were low, the rate of 18 lbs/employee/day was used to be conservative.

Woods and Poole Projections (1994) were used to find out the number of employees working in the Manufacturing and C&D field over the next ten years in Saginaw County. The number of employees was multiplied by the rate of 18 lbs/employee/day to come up with total pounds per day, which was converted to tons per day. Using a 260 day manufacturing year, the estimated tons per year that are generated in the industrial field was determined. In an effort to ensure accuracy, one of the landfills was contacted. The landfill gave the committee some conversions to work with for industrial waste. On an average, 2.7 cubic yards = 1 ton of trash. This was the conversion that was used. The conversion of 5 cubic yards to the ton was used for recycling.

Foundry Sands

This type of waste is not considered Type II waste. Only two employers reported that foundry sand is a waste at their plant. GM, generating 654 TPD sends the sand off-site for re-use. It does not go into a landfill. The other employer only generates about 600 TPY which is landfilled at Venice Park Development Company in Shiawassee County in their Type III cell.

The above four waste types, with the exception of the foundry sand from GM (which is not Type II waste), added together is within 10% of the total industrial waste reported by the haulers.

Commercial Waste

Commercial volumes were based on hauler reporting. A survey was sent out to all of the haulers. All of the major ones responded. According to the haulers, a total of 87,252 TPY was being collected of commercial waste. Dividing that by 310 working days, it was determined that 281 TPD was being produced. By dividing this total number of TPD by the number of employees in 1995 from Woods and Poole (1994), 8.7 lbs/day/employee was the generation rate. The generation rate was plugged into the other years to come up with the projections.

The previous plans projections were based on generation per capita instead of per employee. It is apparent that not everybody who shops in Saginaw County is a County resident, so it makes more sense to do the projection on a per employee basis. Because employment in the commercial sector is growing, the projections are increasing over the next 10 years.

Residential

The residential waste generation rate was determined by the reports from the Saginaw Area Solid Waste Management Authority and City Environmental. They supplied reports stating how much waste was being generated in the County by residential customers. Dividing the total generation rate by the total population in the County gave a per capita rate of generation. This was a little lower than the old plan had stated, so to be conservative, the rate from the old plan was used. In an effort to ensure accuracy, staff contacted one of the landfills, who gave them some conversions to work with for industrial waste. On an average, 2.7 cubic yards = 1 ton of trash. This was the conversion that was used. To be consistent, the conversion of 5 cubic yards to the ton was used for recycling.

PUBLIC PARTICIPATION



**Saginaw County Metropolitan
Planning Commission**
400 Court Street
Saginaw, Michigan 48602
Phone: (517) 797-6800 • Fax: (517) 797-6809

JUL 10 2000
MICHIGAN

Lynn Dumroese
Environmental Quality Analyst
Waste Management Division
Department of Environmental Quality
PO Box 30241
Lansing, MI 48909

July 6, 2000

RE: Saginaw County Solid Waste Management Plan Update

Dear Lynn,

Here is the copy of the Saginaw County Solid Waste Ordinance, along with the judgement that invalidated several sections. I have crossed out the sections that are no longer enforceable. I hope this helps in the review process. Please let me know if there is anything else I can do. Thank you for all your help.

Sincerely,



Suzanne Kelley, Planner

At a session of said Court, held in the
City of Saginaw, County of Saginaw, State
Of Michigan

On November 6, 1996

PRESENT: HON. _____

Circuit Court Judge

Defendant and Counter Claim Plaintiff, Peoples Garbage Disposal, Inc. and John Sexton Corporation of Michigan ("Defendants") having filed their Joint Motion for Summary Disposition requesting that this Court determine that the Saginaw County Solid Waste Ordinance No. 107 (the "Ordinance") is invalid and unenforceable as a matter of law; and the Court having heard the oral argument of the parties and having issued its written Opinion dated July 3, 1996;

IT IS HEREBY ORDERED that, for the reasons set forth in the Court's July 3, 1996

Opinion:

- A. Defendants' Motion is granted as to Sections 140, 150, 160, 200, 210, 220, 230, 240, 250, 320 and 420.1 of the Ordinance because they are pre-empted by Act 451 of 1994 and MCLA 324.11501, et seq (previously at Act 641, MCLA 299.40 et seq).
- B. Defendant's Motion is granted as to Sections 113.1 and 113.3 of the Ordinance to the extent that these sections require certain enumerated acts that are pre-empted by Act 451.
- C. Defendants' Motion is denied as to Sections 260, 270 and 310 of the Ordinance, and any part thereof, but only to the extent these sections are consistent with the duties and responsibilities placed upon the County by Act 451, or the Public Health Code.

FINAL ORDER AND DISMISSAL WITH PREJUDICE

At a session of said Court, held in the
City of Saginaw, County of Saginaw, State
Of Michigan

On November 6, 1996

PRESENT: HON. _____
Circuit Court Judge

Defendant and Counter Claim Plaintiff, Peoples Garbage Disposal, Inc. and John Sexton Corporation of Michigan ("Defendants") having filed their Joint Motion for Summary Disposition requesting that this Court determine that the Saginaw County Solid Waste Ordinance No. 107 (the "Ordinance") is invalid and unenforceable as a matter of law; and the Court having heard the oral argument of the parties and having issued its written Opinion dated July 3, 1996;

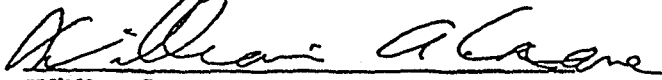
IT IS HEREBY ORDERED that, for the reasons set forth in the Court's July 3, 1996 Opinion:

- A. Defendants' Motion is granted as to Sections 140, 150, 160, 200, 210, 220, 230, 240, 250, 320 and 420.1 of the Ordinance because they are pre-empted by Act 451 of 1994 and MCLA 324.11501, et seq (previously at Act 641, MCLA 299.40 et seq).
- B. Defendant's Motion is granted as to Sections 113.1 and 113.3 of the Ordinance to the extent that these sections require certain enumerated acts that are pre-empted by Act 451.
- C. Defendants' Motion is denied as to Sections 260, 270 and 310 of the Ordinance, and any part thereof, but only to the extent these sections are consistent with the duties and responsibilities placed upon the County by Act 451, or the Public Health Code

D. Defendant's Motion with respect to Section 280 -- Surcharge -- as originally enacted in August, 1993, and which forms the legal basis for the Complaints filed by the County of Saginaw against Defendants, is granted for the reason that Section 280 is vague and reasonable minds can differ as to who was to pay, collect and remit the surcharge. Accordingly, Section 280, as originally enacted, is void and unenforceable.

E. Defendant's Motion is denied as to Section 280, as amended on September 30, 1994 since, for the reasons set forth in the Opinion, Amended Section 280 is not an illegal tax, but a regulatory fee, imposed on the users of the Landfill within the County, and not on Defendants or other Landfill owners or operators who are only required to collect the surcharge for the County; such duty of collection not constituting an improper delegation of a governmental function on a private party.

IT IS FURTHER ORDERED that since the only legal basis for the County's Complaint is Section 280 of the Ordinance, as originally enacted, and not as amended, and since this Court has determined Section 280 to be invalid and unenforceable, and since the amended Section 280 imposes no payment obligation on Defendants, but only collection, and since the relief requested in the Complaints is only for payment of the surcharge allegedly due under that section prior to the September 30, 1994 Amendment, the County has failed to state a claim and these consolidated cases are hereby dismissed with prejudice and without costs.


William R. Crane
Circuit Court Judge

ORDINANCE #108

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**SAGINAW COUNTY
ORDINANCE #108
SOLID WASTE MANAGEMENT
Adopted 8/17/93
Amended 9/21/93
Amended 11/9/93
Amended 10/17/95**

SECTION 100 PREAMBLE

An ordinance to protect the public health and land, air, water, and other natural resources of the county; to supplement provisions of the Michigan Solid Waste Management Act 641 as amended, and its administrative rules; to regulate specified solid waste management practices; to control the operations of solid waste facilities and prevent any adverse off-site effects of operations; to provide an enforceable mechanism for implementation of the Saginaw County Solid Waste Plan; to prescribe the powers and duties of agencies; to provide for variances; and to provide for penalties and remedies.

SECTION 110 GENERAL PROVISIONS

111 Enabling Clause

111.1 The County of Saginaw hereby adopts the Saginaw County Solid Waste Ordinance pursuant to the provisions of the Michigan Solid Waste Management Act P.A. 641 of 1978, as amended the Public Health Code P.A. 368 of 1978, as amended, General County Law, Act 156 of 1851, as amended, and the Saginaw County Solid Waste Management Plan.

112 State Incorporated Requirements

112.1 Incorporated in this ordinance by reference are: Sections 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 13a, 14, 15, 15a, 16, 17, 18, 19, 20, 21, 22, 22a, 23, 24, 25, 32a, 32b, 33, and 35 of Act No. 641 Public Acts of 1978, as amended, and the State Administrative Rules promulgated thereunder, being rule 299.4101 through rule 299.4109 and being rule 299.4301 through rule 229.4602 of the Michigan Administrative Code, as filed with the Secretary of State on December 21, 1981. Copies of any material referenced in this section (Act 641 and the State Administrative Rules) are available at a nominal charge from the Saginaw County Controller's Office, 111 S. Michigan, Saginaw, Michigan 48602.

113 County Requirements

113.1 *Invalid* Proposals for construction, modification, expansion, alteration, or reconstruction of a solid waste disposal area shall comply with this solid waste ordinance and applicable provisions of the approved Saginaw County Solid Waste Management Plan. Operations of a solid waste disposal area shall comply with this solid waste ordinance and applicable provisions of the Saginaw County Solid Waste Management Plan. Copies of the Solid Waste Management Plan are available for review or for purchase

from the Saginaw County Controller's Office, 111 S. Michigan, Saginaw, Michigan 48602.

113.2 This solid waste ordinance shall be applicable in Saginaw County as provided by law.

invalid 113.3 All solid waste disposal areas shall be designed, constructed, operated, maintained, monitored, and closed in accordance with the requirements of Act 641, the State Administrative Rules promulgated thereunder, and any amendments thereof, this ordinance, and the Saginaw County Solid Waste Management Plan. Incorporated by reference and made a part of this Ordinance, are the attached P.A. Act 641 Administrative Rules.

114 Technological Advances

114.1 The use of technological advances which meet the intent of applicable sections of this ordinance shall not be prohibited. An applicant or licensee who wishes to utilize a newly developed system, device or procedure, shall request approval from the Solid Waste Management Department prior to use of the new technology. If the Solid Waste Coordinator determines that the technological advance would provide performance equivalent to a requirement of this ordinance, the new technology shall be approved.

SECTION 120 DEFINITIONS

120.1 The words and phrases used in this Ordinance have the meanings ascribed to them by this section, or Sections 3 through 7 of Act 641 of the Public acts of 1978, as amended, being Section 299.403 through Section 299.407 of the Michigan Compiled Laws, or Rules R299.4101 through R299.4105 Michigan of the State Administrative Rules.

120.2 Words and phrases used in the present tense include the future; words and phrases in the masculine gender include the feminine; the singular number includes the plural and the plural includes the singular.

120.3 Where words and phrases are not defined under the provisions of this section, they shall have ascribed to them their ordinarily accepted meanings, or such as the context herein may imply.

"Act 245" means Act No. 245 of the Public Acts of 1929, as amended, being Section 323.1 et. seq. of the Michigan Compiled Laws, entitled and known as the water resource commission act.

"Act 368" means, Act No. 368 of the Public Acts of 1978 as amended, being Section 333.1101 et. seq. of Michigan Compiled Laws, entitled and known as the public health code.

"Act 641" means Public Act 641 of the Public Acts of 1978, as amended, being Section 299.401 et. seq. of the Michigan Compiled Laws and known as the solid waste management act.

"C.F.R." means the Code of Federal Regulations published by the Office of the Federal Register, National Archives and Records Service, General Services Administration, Washington, D.C.

"Compliance Boundary" means the solid waste boundary or an alternative boundary specified in accordance with 40 C.R.R. part 257.3-4(b).

"Composting" means a method of waste treatment in which organic solid wastes, such as yard waste, are biologically decomposed under controlled conditions.

"County" means the County of Saginaw, Michigan.

"County Commission" means the Saginaw County Board of Commissioners.

"Designated Solid Waste Agency" means the Saginaw County Solid Waste Coordinator for receipt and analysis of data and reports on waste amounts and facility capacities as required in Sections 260, 270, 280, and 290; the Saginaw County Recycling Coordinator for receipt and analysis of waste audits and recycling plans as required by Section 130; or the Enforcement Agency or Saginaw County Prosecutor for criminal complaints and warrants as authorized in Section 330.

"Enforcement Agency" means The Saginaw County Health Department, provided the Health Department remains certified by the Department of Natural Resources for the enforcement provisions of Section 330.

"Enforcement Agency Director" means the Health Officer of the Saginaw County Health Department or his/her authorized representative.

"Existing Solid Waste Disposal Area" means a solid waste disposal area that received an Act 641 construction permit or operating license exemption on or before the effective date of this Ordinance.

"Fugitive Dust" means particulate matter emitted into the outdoor atmosphere from outdoor or indoor activities, operations or premises due to forces of wind or people activity.

"Gas Migration Control" means a system to prevent lateral gas movement from the site, or gas accumulation in nearby structures on-site or off-site.

"Generator" means any person, county, municipality, state or federal facility whose activity results in the generation of a solid waste.

"Hazardous Waste" means those wastes that are regulated by Act No. 64 of the Public Acts of 1979 as amended or 40 CFR parts 260 through 265 of the Federal Regulation.

"Health Officer" means the Director of the Saginaw County Health Department.

"Household Hazardous Waste" means any material commonly found in the household, which because of its quantity, concentration or physical, chemical or infectious characteristic, may pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or otherwise managed.

"Leachate" means liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from the wastes.

"Licensee" means the person to whom an Act 641 Solid Waste Disposal Area License has been issued.

"Liner" means any natural soil sidewall or base, compacted soil sidewall or base, or synthetic material sidewall or base which is utilized to contain solid waste or the leachate generated therefrom.

"Liquid" means a fluid with a solids content less than 20% as determined by ASTM Standard D2216 and shall not contain any free liquid as determined by Method 9095, the Paint Filter Test.

"Main Interior Haul Roads" means all on-site roads which are used by solid waste transporting units on a routine basis.

"Non-residential property or multi-family housing" is defined as a building or portion thereof containing three or more dwelling units or a commercial or industrial business.

"Off-site Roads" means all roads and their respective right-of-way, outside the solid waste disposal area boundary, which are used by solid waste transporting units entering or exiting the solid waste disposal area.

"On-site Roads" means all roads temporary or permanent which are within the licensed solid waste disposal area.

"Person" means an individual; sole proprietorship; partnership; association; corporation, public or private, organized or existing under the laws of this state or any other state, including a federal corporation; this state or an agency or department of this state; cities, villages and townships in this state; or a county in this state.

"Planning Committee" means the committee appointed to assist in the implementation of the approved Saginaw County Solid Waste Management Plan.

"Recyclable Materials" means site and source separated materials, corrugated cardboard, mixed papers, office papers, glass, plastic, metal, cloth fiber, rubber, leather, wood, yard clippings and other materials which can be recycled or composted.

"Readily Recyclable Items" means site and source separated materials, corrugated cardboard, mixed paper, glass, plastic and metal containers and packaging, office papers, cloth fiber, rubber, leather, wood, engineered plastics, yard clippings and other materials for which markets and recycling services exist, as identified in the approved recycling plan of generators using Saginaw County disposal facilities.

"Regulated Waste" means waste regulated under P.A. 641.

"Resource Recovery Facility" means machinery, equipment, structure or any parts or accessories of machinery, equipment or structures, installed or acquired for the primary purpose of recovering materials or energy from the waste stream.

"Sewage" means a liquid waste which includes human excreta, waste from sink, lavatory, bathtub, shower or laundry, and any other liquid waste of organic or chemical nature, either singularly or in any combination thereof.

"Site Separated Material" means glass, metal, wood, paper products, plastics, rubber, textiles, garbage, yard clippings, or any other material approved by the MDNR that is separated from solid waste for the purpose of conversion into raw materials or new products. Site separated material does not include the residue remaining

after glass, metal, wood, paper products, plastics, rubber, textiles, or any other material approved by the MDNR is separated from solid waste.

"Siting Committee" means the committee appointed to make decisions regarding the placement of solid waste disposal facilities within Saginaw County, as set forth in the Saginaw County Solid Waste Management Plan.

"Sludge" means any semisolid that has more than 20% but less than 60% solids as determined by ASTM Standard D2216 and shall not contain any free liquid as determined by Method 9095, the Paint Filter Test.

"Solid Waste" means garbage, rubbish, ashes, incinerator ash, incinerator residue, street cleanings, municipal and industrial sludges, and solid commercial and solid industrial waste, domestic animal waste, but does not include human body waste, liquid or other waste regulated by statute, ferrous or nonferrous scrap directed to a scrap metal processor or to a reuser of ferrous or nonferrous products, and slag or slag products directed to a slag processor or to a reuser of slag or slag products. Solid waste does not include yard waste or compost from yard waste, site or source separated recyclable materials.

"Solid Waste Disposal Area" means a solid waste transfer facility, incinerator, sanitary landfill, processing plant, and resource recovery facility or other solid waste handling and disposal facility utilized in the disposal of solid waste.

"Solid Waste Management Plan" means the approved Saginaw County Solid Waste Management Plan, as required by Sections 25 and 29 of Act 641.

"Sorbent" means a material added to sludge to increase the solids content.

"Source Separated Material" means glass, metal, wood, paper products, plastics, rubber, textiles, garbage, yard clippings, or any other material approved by the MDNR that is separated at the source of generation for the purpose of conversion into raw materials or new products.

"Ton" means two thousand (2000) pounds.

"Transfer Station" means a facility where waste materials are taken from smaller collection vehicles and placed in larger vehicles for transport (by truck trailers, railroad cars or barges) to more distant disposal sites. Recycling and some processing may also take place at transfer stations.

"Water Wash System" means a water-based system to clean the wells, tires, undercarriage and any portion of a vehicle that has mud, dirt or debris on it that may be tracked onto a road.

"Yard Clippings" means leaves, grass clippings, vegetable or other garden debris, shrubbery or brush or tree trimmings, less than 4 feet in length and 2 inches in diameter, that can be converted to compost humus. Yard clippings do not include stumps, agriculture wastes, animal waste, roots, sewage sludge, or garbage.

SECTION 130 RECYCLING

130.1 Residential Uses

A) Commencing with the 1995 annual report (due pursuant to Section 260.2 on January 30, 1996) each township, city and village in the County of Saginaw shall submit to the Solid Waste Management Department on a form provided by the Department a plan for the provision of solid waste and recycling services for its residents. The plan shall be updated and submitted to the Department by January 30, 1999 and every three years thereafter, unless the plan is radically altered. In that case, an updated plan shall be due within 60 days.

This plan shall include an estimate of the type and amounts of recyclable materials generated, availability of recycling markets or services, items targeted for recycling, and the estimated recovery rate. The plan must adequately describe a program which can recycle targeted materials.

B) Each township, city or village shall file annually commencing with the 1996 annual report, a certification stating that the municipality has complied with its solid waste and recycling service plan.

C) Effective October 30, 1996, residential generators of solid waste shall recycle the following targeted items, metal food containers, clear glass, mixed papers, corrugated cardboard and #2 plastic. Procedures to recycle these materials must be addressed in the municipality's solid waste and recycling service plan.

130.2 Commercial Uses

A) Each commercial and industrial establishment in the County of Saginaw shall perform and prepare, on a form provided by the Solid Waste Department, no later than May 1, 1996 or within 60 days of the commencement of the operation of a new business, a solid waste audit and recycling plan. The plan shall be updated by October 30,

1999 and every three years thereafter, unless the business operation and/or recycling plan is radically altered; in that case, an updated plan shall be prepared within 60 days.

This plan shall include an estimate of the type and amounts of recyclable materials generated, availability of recycling markets or services and items targeted for recycling, and the estimated recovery rate. The plan must adequately describe a program which can recycle targeted materials.

B) Each commercial or industrial establishment shall file annually a certification, commencing October 30, 1996, stating that the establishment has complied with its previously developed solid waste audit and recycling plan, including an estimate of targeted materials recycled.

C) Effective October 30, 1996, commercial or industrial generators of solid waste categorized below shall recycle targeted items. Procedures to recycle these materials must be addressed in the generator's solid waste audit and recycling plan:

<u>GENERATOR TYPE:</u>	<u>TARGETED MATERIALS</u>	
Agriculture	corrugated cardboard	mixed containers
Transportation/Utilities	corrugated cardboard	office paper or packaging/pallets
Retail Trade	corrugated cardboard	office paper or packaging/pallets
Finance/Professional	office paper	corrugated cardboard
Services/Education	corrugated cardboard	office paper or mixed containers
Government	office paper	corrugated cardboard or mixed containers

D) Effective October 30, 1996, the commercial or industrial generators of solid waste categorized below shall recycle targeted items, if those materials constitute the percentages of the generators waste-stream volume listed below. Procedures to recycle these materials must be addressed in the generator's solid waste disposal and recycling plan:

GENERATOR TYPE Wholesale Trade/Manufacturing

TARGETED MATERIALS/PERCENTAGES

Cardboard-25%	Engineered Plastic-50%	Fiber-20%	Glass-40%
Leather-30%	Metal-25%	Mixed Paper-40%	
Packaging Plastic-30%		Rubber-20%	Wood-40%

GENERATOR TYPE Construction

TARGETED MATERIALS/PERCENTAGES

Cardboard-25%	Glass-40%	Fiber-20%	Leather-30%
Metal-25%	Packaging Plastic-30%	Rubber-20%	Wood-40%

130.3 Non-residential Property or Multi-family Housing

A) Each person who owns non-residential property or multi-family housing property in the County of Saginaw shall perform and prepare on a form provided from the Solid Waste Management Department, no later than May 1, 1996 or within 60 days of the commencement of the operation of a new business, a solid waste audit and recycling plan. The plan shall be updated by October 30, 1999 and every three years thereafter, unless the plan is radically altered. In that case, an updated plan shall be prepared within 60 days.

This plan shall include an estimate of the type and amounts of recyclable materials generated, availability of recycling markets or services and items targeted for recycling, and the estimated recovery rate. The plan must adequately describe a program which can recycle targeted materials.

B) Each person who owns non-residential property or multi-family housing property in the County of Saginaw shall file annually a certification, commencing October 30, 1996, stating that the establishment has complied with its previously prepared solid waste audit and recycling plan, including an estimate of targeted materials recycled.

C) Each person who owns non-residential property or multi-family housing property in the County of Saginaw shall provide for services which can recycle targeted materials, including:

(i) easily accessible locations for the collection of designated recyclable materials;

(ii) appropriate instructions to all persons occupying each multi-family unit and non-residential unit to ensure that all designated recyclable materials are collected;

(iii) collection and transportation to a resource recovery facility of designated recyclable materials at a frequency of not less than once per month, or as necessary to recycle designated materials.

130.4 Failure to File and/or Comply with Recycling Plan

Pursuant to MCLA 46.10b, a violation of Section 130 is hereby deemed to be a municipal civil infraction and fines shall be assessed as follows:

- (a) Failure to file a solid waste audit and recycling plan as required in Sections 130.2(A) and 130.3(A) - \$100.00
- (b) Failure to file an annual certification of compliance as required in Sections 130.2(B) and 130.3(B) - \$150.00
- (c) Any other violation of Section 130- \$200.00

This section shall take effect two years after its publication.

~~SECTION 140 PROHIBITED WASTES~~

~~140.1 The following items are specifically prohibited from disposal in a sanitary landfill: Household Hazardous wastes, conditionally exempt Small Quantity Generator hazardous wastes, tires, auto parts, yard clippings (when state law takes effect on March 24, 1995), foundry sand (as regulated by the MDNR), materials that would prevent the landfill liner from performing as designed, hazardous wastes, liquids, sewage and other materials prohibited by state or federal law.~~

~~140.2 The Health Officer has the right to order any material to be landfilled if a nuisance or imminent health threat exists.~~

~~SECTION 150 ON-SITE ROADS~~

- 150.1 On-site roads shall be constructed to provide for all weather accessibility and for the easy removal of mud, waste, and dust.
- 150.2 Main interior haul roads, entrance and exit facilities, and foul weather haul roads at solid waste disposal areas shall be paved. These roads shall be constructed to adequately support the anticipated loads and maintained to assure structural integrity during the useful life of the roads.
- 150.3 The paving of additional on-site roads may be required by the Enforcement Agency if the intent of Section 150 is not being met.
- 150.4 All on-site unpaved roads shall be maintained to prevent off-site fugitive dust emissions. All on-site paved roads shall be cleaned as frequently as necessary to remove mud, dust, and waste materials from the road surfaces.

SECTION 160 OFF-SITE ROAD MAINTENANCE

- 160.1 The tracking of mud and/or solid waste materials from solid waste disposal areas onto public off-site roads shall be minimized to assure that mud and/or solid waste materials which are tracked off-site are adequately removed.
- 160.2 Within 90 days after the effective date of this ordinance each landfill licensee shall submit an Off-Site Road Maintenance Plan which addresses, at a minimum, the following:
- A. Method of dislodging mud and/or solid waste materials from the vehicles or undercarriage.
 - B. A traffic control pattern, including a by-pass road around the truck cleaning area if applicable.
 - C. Method for removing soil, dust and/or solid waste materials attributable to the solid waste disposal operations from public off-site roads within 2,500 feet of the solid waste disposal area entrance and exits.
- 160.3 Trucks and off-site roads shall be cleaned as described in the plan cited in Subsection 160.2 as often as necessary to prevent the occurrence of nuisances resulting from the tracking of mud and/or solid waste materials.

- 160.4 All solid waste materials, mud and dust which are removed from public off-site roads shall be disposed of as solid waste.

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SECTION 200 LANDSCAPING REQUIREMENTS

- 200.1 All newly constructed areas including all expansions of solid waste disposal areas shall be landscaped and maintained to provide visual screening of the disposal area, in accordance with the landscaping plan approved by the Siting Committee and the minimum requirements of 200.4 and 200.5.
- 200.2 A landscaping plan that complies with the requirements of this section must be submitted to the Siting Committee prior to the committee's review of the solid waste disposal area proposal. This plan shall address, at a minimum, the following:
- A. A description of the visual screening to be utilized at the disposal area, and
 - B. A schedule for installation of this visual screening.
- 200.3 The adequacy of the landscaping plan shall be determined by the Siting Committee during its review of the proposal.
- 200.4 The landscaping requirements listed in this Subsection shall be utilized at all sanitary landfills unless otherwise approved in writing by the Siting Committee. Alternate landscaping may be granted if the applicant demonstrates that the requirements of this Subsection are not necessary. The petition may include a demonstration that adjacent property owners will not be subjected to visual nuisances by disposal operations.
- A. Landfilling operations shall be conducted and progress in a manner that will preserve the natural screening vegetation as long as practical.
 - B. Where screening berms are not required by rule 299.4305(12) (b) of the Michigan Administrative Code, greenbelt areas around the site perimeter shall be established to provide visual screening equivalent to an eight (8') foot high berm.

- C. Where screening berms are required by rule 299.4305(12) (b) of the Michigan Administrative Code, the berms shall be stabilized as prescribed in Subsection 200.5 and vegetated with a combination of deciduous trees, evergreen trees, and shrubs.

200.5 All disturbed areas shall be stabilized as soon as practical in accordance with the procedures prescribed in this Subsection. Alternative stabilization methods may be approved in writing by the Enforcement Agency.

- A. Three inches (3") of topsoil cover shall be utilized when establishing vegetation on all disturbed areas. A sufficient amount of topsoil cover to establish vegetation on all areas which are anticipated to be disturbed shall be stockpiled at the disposal area and stockpile locations shall be indicated on the landscaping plan.

- B. A 12-12-12 fertilizer shall be uniformly applied at a rate of 600 lbs/acre and blended into the topsoil cover prior to seeding.

- C. The following minimum mixed seed rate (lbs./acre), or their equivalent, shall be used to insure adequate vegetative growth on all disturbed areas. These regulations do not prohibit the use of Hydroseeding:

39 lbs/acre of creeping red fescue
10 lbs/acre or perennial rye grass
2 lbs/acre of reedtop
20 lbs/acre of smooth brome grass
29 lbs/acre of tall fescue

Total: 100 lbs/acre

- D. Unweathered small grain straw mulch shall be applied to the soil after or during the application of the seed or an equivalent measure shall be utilized to cover the seed for proper germination.

SECTION 210 FUGITIVE DUST, NOXIOUS ODORS, NOISE, AND BLOWING DEBRIS

210.1 The operation of a solid waste disposal area shall not result in unreasonable off-site deterioration of air quality, cause unreasonable interference with the comfortable enjoyment of life and property, or cause injurious effects to human health, safety, and welfare. All solid waste disposal areas shall be designed, constructed and operated so that fugitive dust, noxious odors, noise, and blowing debris are controlled and do not cause off-site problems or nuisances.

- 210.2 The applicant shall submit with the construction permit application, an operations plan to minimize the off-site occurrences of fugitive dust, noxious odors, and blowing debris. This plan may include such measures as: restricting the daily work area, refusing to accept certain waste streams, installing portable fences, applying masking agents, using intensive labor efforts, stipulating a greater frequency for cover, or other appropriate measures. This plan shall be approved by the Enforcement Agency.
- 210.3 If a problem or nuisance condition exists, as determined by the Enforcement Agency, despite compliance with the operation plan, then a contingency plan shall be developed by the operator. This contingency plan shall be submitted within 10 working days from the date that the Enforcement Agency notifies the operator. This plan shall demonstrate to the satisfaction of the Enforcement Agency that the problem will be abated within the shortest practical time period.
- 210.4 In the preparation of the operations plan required by Subsection 210.2, or the contingency plan which may be required by Subsection 210.3, the applicant or operator shall comply with the requirements of the Air Quality Rules promulgated under Act 348 of 1965 as amended.

SECTION 220 SLUDGE DISPOSAL, MONITORING AND REPORTING REQUIREMENTS

- 220.1 Notification shall be given to the Enforcement Agency before any nonhazardous sludge can be accepted at a solid waste disposal area. At the time of notification, the following shall be submitted to the Enforcement Agency for review:
- A. The source(s), generator, sorbent material added and sludge volume.
 - B. Analyses of specific chemical and physical parameters as determined by the Enforcement Agency including but not limited to pH and solids content of the sludge material.
 - C. A representative sample (1 liter) of the sludge material, if required by the Enforcement Agency.
 - D. Type and analysis of sorbent material, if any, to be added to the sludge.
- 220.2 For any nonhazardous sludge which is received from a generator on a continual basis, the analysis required by Subsection 220.1B shall be updated annually. The

Enforcement Agency may require an increased frequency of the analyses if:

- A. Observation of the sludge at the disposal site suggests that there has been a change in sludge characteristic:
- B. The process that generates the sludge is suspected or known to generate an inconsistent waste.

220.3 All municipal and industrial sludges disposed of in a sanitary landfill shall be at a minimum of 20% solids, as determined by ASTM Standard D2216 and shall not contain any free liquid as determined by Method 9095, the Paint Filter Test.

220.4 Sludge odors and pathogens shall be controlled, prior to acceptance for disposal.

220.5 Sorbent material may be used to increase the solids content of a sludge or liquid at a licensed processing facility. The sorbent material shall be added prior to delivery of the sludge to the sanitary landfill. Periodic analysis of the sorbent material may be required by the Enforcement Agency to assure the sorbent material's continued performance.

220.6 Operators of solid waste disposal areas which accept sludges shall keep on file at the disposal location, permanent records containing the following information:

- A. List of all sludges accepted which includes the generator name, the transporter's name, a description of the sludge.
- B. The daily quantities and types of sludges from each generator.
- C. The following daily test results if required by the Enforcement Agency:
 - 1) The percent solids content for the various sludge/sorbent material mixtures.
 - 2) The Ph of any chemically stabilized sludge.

220.7 If a sludge or sludge-sorbent mixture that does not meet the requirements of Subsections 220.3, 220.4, and 220.5, is delivered to a sanitary landfill, the operator shall:

- A. Not accept the materials for disposal, and
- B. Immediately notify the Enforcement Agency.

220.8 If as a result of sludge disposal operations it is determined that violations of this ordinance occur at the solid waste disposal area, modified or alternative disposal techniques shall be instituted to abate the violation, at the facility's cost. Such techniques shall effectively increase the solids content of the sludge beyond the requirements cited in Subsection 220.3 by either:

- A. Adding sorbent material to the sludge, or increasing the quantity of sorbent material added to the sludge, prior to delivery to the landfill, or
- B. Adding additional sorbent material to the sludge at the landfill.

220.9 Sorbent material stored at the landfill shall not cause a violation of this ordinance.

SECTION 230 GROUND AND SURFACE WATER QUALITY

230.1 All sanitary landfills shall be located, designed, constructed, and operated to assure that ground or surface waters are not contaminated during the life of the facility and during the 30 year post-closure time period.

230.2 The ground and surface waters at the compliance boundary of a sanitary landfill shall not exceed the standards described in 40 C.F.R. part 257.3-4, Appendix I of 40 C.R.R. part 257. The surface and ground waters at a sanitary landfill shall comply with the water quality requirements of Act 245 of Public Acts of 1929, as amended, being Section 323.1 et. seq. of the Michigan Compiled Laws and the State Administrative Rules promulgated thereunder, being Section 323.1001 et. seq. of the Michigan Administrative Code. Copies of any material referenced in this section (40 C.R.R. part 257.3-4, Appendix I, Act 245, and the State Administrative Rules) are available at a nominal charge from the Saginaw County Controller's Office, 111 S. Michigan Ave. Saginaw, MI 48602.

230.3 The licensee or property owner shall have groundwater from the monitoring wells sampled and analyzed at least quarterly during the active life of the sanitary landfill in accordance with the approved groundwater monitoring program. Results from this sampling shall be given to the Enforcement Agency within ten (10) working days of monitoring event.

- 230.4 Surface water monitoring may also be required in addition to groundwater monitoring, to assess the adequacy of leachate containment and runoff control.
- 230.5 Analysis for all ground water, surface water and leachate monitoring events and their results shall be submitted to the Enforcement Agency within sixty (60) days after analysis.

SECTION 240 PROCESSING, RECYCLING, COMPOSTING, TRANSFER FACILITIES

- 240.1 All processing, resource recovery, composting and transfer facilities shall submit to the Enforcement Agency for approval, prior to construction, the following:

A. Site plans including:

- 1) A vicinity map and legal description
- 2) Distances to the nearest adjacent residence and commercial and industrial facilities
- 3) Proposed storage areas
- 4) Utility locations including storm and sanitary sewers and water mains
- 5) Fire hydrant locations
- 6) Access route traffic patterns as well as on-site traffic patterns
- 7) All visual screening measures
- 8) Drainage patterns

B. Written documentation addressing the following:

- 1) Hours of operation
- 2) Methods of controlling fugitive dust, noxious odors, noise and blowing debris
- 3) Fencing and other means of limiting access
- 4) Method of handling wastes and recovered materials
- 5) Expected frequency of removal of recovered materials
- 6) Expected frequency for turning of composting windrows
- 7) Fire protection
- 8) Description of daily cleanup procedures.

All facilities in operation prior to the effective date of this ordinance must submit this information within six months of the effective date.

- 240.2 All processing facilities, resource recovery facilities, composting facilities and transfer stations shall comply with the requirements of Sections 200 and 210 of this regulation.

240.3 All facilities covered under this section must notify the Saginaw County Solid Waste Coordinator as well as the Enforcement Agency that actual operations have begun.

240.4 Upon any change in ownership of a solid waste disposal area, the owner/operator of the facility shall notify the Enforcement Agency in writing.

SECTION 250 POST-CLOSURE REQUIREMENTS

250 The operator or property owner of a sanitary landfill shall be responsible for monitoring and maintaining the site after closure in accordance with the requirements of this section to minimize possible environmental damage or threats to health, safety, and welfare of the public.

251 Post-Closure Monitoring Reports

251.1 The items listed in part 251 shall be maintained and monitored for thirty (30) years after completion of the sanitary landfill.

251.2 The leachate collection and removal system shall be maintained to minimize the build-up of leachate within a sanitary landfill. The leachate depths in each collection sump shall be checked and recorded at least quarterly to assure that gravity flow to the collection sump is maintained. If the leachate level prevents gravity flow of leachate into the sump, then the leachate shall be removed and disposed of as described in of this Ordinance. The volume of leachate removed from each collection sump and the method of disposal shall be recorded.

251.3 The groundwater monitoring system shall be monitored and maintained to assure the groundwater quality at the compliance boundary will not exceed the standards described in Subsection 230.2 of this Ordinance. Groundwater from the monitoring system shall be sampled and analyzed for the parameters designated in the approved monitoring plan.

251.4 The final cover shall be inspected and maintained to prevent water from ponding on the completed fill surface. The final cover shall be adjusted to maintain positive drainage from any filled area. Final cover depths shall be maintained and all badly eroded areas shall be repaired. In addition, the screening and vegetation on the site shall be maintained.

251.5 All monitoring shall be performed at least quarterly. Whenever any maintenance work is to be performed, the Enforcement Agency shall be notified.

The monitoring information collected as required by Subsections 251.2 and 251.3 shall be submitted to the Enforcement Agency within twenty (20) working days after a monitoring event.

If any of the monitoring results indicate that the disposal area is in violation of this ordinance, the Enforcement Agency shall order the operator or property owner to take corrective action, or to increase monitoring frequency.

252 Post-Closure Assurances

252.1 To assure compliance with the post-closure requirements of Section 250 the operator or property owner of a closed sanitary landfill shall provide notice to the Enforcement Agency upon any change in ownership or management of the landfill property within ten (10) days of the event. This notice shall include the name and address of the new owner or management company.

SECTION 260 WASTE STREAM REPORTING

260.1 Each solid waste landfill, incinerator and resource recovery facility included in the Saginaw County Solid Waste Management Plan shall submit to the Solid Waste Management Department, each month, the amount of solid waste received each month, expressed in cubic yards, measured at the time it is received at the facility gate, and in tons, to be determined from gate receipt records and a manifest system. All waste received in Saginaw County must be generated in a county named in the Plan. No waste originating from an unnamed county and brought to a transfer station in a named county may be brought into Saginaw County. If a facility does not have a scale, an estimate of tons and the assumptions or conversion factors used to estimate weight shall be included. In addition, each facility must report the following:

- A. The amount, in tons or gate yards, of the incoming and/or processed waste stream that was sent for recycling and the source of these materials.
- B. The amount, in tons or gate yards, of the incoming and/or processed waste stream that was sent for land disposal, and the source of these materials.

260.2 Each community disposing of waste in landfills, incinerators, or resource recovery facilities that are identified within the Saginaw County Solid Waste Management Plan must report annually on a calendar year basis to the Solid Waste Coordinator the following information:

- A. Volume or weight of residential solid waste collected by or on behalf of the community.
- B. Volume or weight of residential solid waste delivered to landfills, incinerators, resource recovery facilities, and composting operations.
- C. Percentage that the disposal volume has increased or decreased since the previous year for each type of disposal.
- D. Disposal location(s) utilized by the community.

260.3 All waste stream reports shall be submitted within ten (10) working days after the end of each month on forms provided by the Designated Solid Waste Agency.

SECTION 270 FACILITY CAPACITY REPORTING

270.1 Each sanitary landfill licensee shall retain the services of a State licensed professional engineer, who will submit annually to the Designated Solid Waste Agency the following information:

- A. An updated topographic survey and accompanying calculations which will indicate the volume of space remaining with respect to the licensed approved finish elevation, to be filled as of the first of January of each year. The volume shall be expressed in cubic yards or acre-feet.
- B. A calculation of the ratio of the volume of refuse delivered to the facility to the volume of compacted in-place refuse. This ratio, when possible, should be determined based on the previous year(s) experience.
- C. A projection of the landfill life expectancy based on data supplied in Subsection 260. The projection is to be expressed in years or fractions of years.
- D. All changes in design or operating techniques which would cause change in remaining capacity; and the anticipated effect of these changes on life expectancy.

270.2 Each solid waste disposal area included within the Saginaw County Solid Waste Management Plan other than a sanitary landfill shall annually submit to the Designated Solid Waste Agency the following information:

- A. A statement describing the expected availability to provide volume reduction or disposal capacity of the facility after the first of January of each year.
- B. All changes in facility design or operating techniques which would cause changes in the availability of the facility; and anticipated effect of these changes on the availability.

270.3 All information required by Subsection 270 shall be submitted by January 31 of the following year on forms to be provided by the Solid Waste Management Department.

SECTION 280 SURCHARGE

280.1 A surcharge will be imposed on each cubic yard, as measured at the gate of the facility, disposed of at a landfill to fund the implementation of the Solid Waste Plan according to Attachment A. Gate yards will be reported as required in Section 260, Waste Stream Reporting.

280.2 The surcharge shall be collected by the owner or operator of a landfill and surcharge payments shall be submitted within ten (10) working days after the end of each calendar quarter using the forms provided for Waste Stream Reporting. Surcharge payments are due to the Saginaw County Treasurer.

280.3 Interest, at the state statutory judgement rate, will be charged for all fees received after ten (10) working days.

280.4 This surcharge may be amended by resolution of the Saginaw County Board of Commissioners and shall take effect when notice of the adoption of the amendment is published in a newspaper of general circulation in the County. The fee schedule is shown in Attachment A.

SECTION 290 LICENSING SOLID WASTE HAULERS

290.1 All persons or business entities regularly engaged in the business of transporting solid waste anywhere in Saginaw County, and all persons or business entities making single deliveries of solid waste in motor vehicles and/or motor vehicle-trailer combinations capable of hauling one ton or more of solid waste, (e.g., dual rear axle trucks

or single axle trucks having four rear wheels, or larger vehicles, or any combination of a motor vehicle and trailer capable of hauling one ton or more of solid waste) shall be licensed, or shall have a permit, and have an authorized identification sticker affixed to the vehicle, in accordance with the terms of this Ordinance. A transporter shall be responsible for the suitability of a material for transport and proper hauling procedures.

290.2 Persons and business entities regularly engaged in hauling solid wastes into, out of or within Saginaw County shall obtain an annual license to engage in that activity. The fee for a license and identification sticker shall be set and may be changed by resolution of the Saginaw County Board of Commissioners. License applications and annual stickers may be purchased from the Saginaw Solid Waste Management Department for each vehicle owned by the person or business entity hauling solid waste, according to the fees listed in Attachment A.

290.3 Occasional or one-time haulers of solid waste in motor vehicles and/or motor vehicle-trailer combinations capable of hauling one ton or more of solid waste shall obtain a permit for each such delivery to a licensed landfill. The fact of such delivery and information regarding the content of the solid waste delivered shall be recorded by the disposal facility and reported on forms as provided in Section 260, Waste Stream Reporting.

290.4 A person operating or otherwise in control of a solid waste disposal area within the County shall not accept solid waste for disposal from any person not authorized under this Ordinance to transport solid waste within the County.

290.5 A solid waste hauler shall not transport solid waste within the County with a motor vehicle unless the vehicle has been properly described in the solid waste hauler permit/license application and the Solid Waste Management Department has been provided such information in writing prior to placing the vehicle in service.

291 Exemptions

291.1 A private citizen transporting solid waste to a licensed solid waste disposal area is exempt from the requirements of Section 290 providing the solid waste material was generated by that person and not collected from other sources, that person does not receive compensation or other remuneration from another person for the transportation or disposal of said solid waste, and the

amount of solid waste being transported or disposed of does not exceed 10 cubic yards per load or 1000 cubic yards per year.

291.2 Municipally owned and operated waste hauling vehicles used exclusively for residential or municipal collection are exempt from the licensing fee. All other provisions of this Ordinance apply to municipal vehicles. Municipalities must participate in all waste stream reporting requirements upon deposit of collected waste.

291.3 Wastes being hauled through Saginaw County, originating outside of Saginaw County, not being disposed of in Saginaw County and making no additional loading or unloading stops in Saginaw County, are not required to be licensed.

292 Licensed Hauler Reporting Requirements

All persons and business entities holding an annual license to transport solid wastes in Saginaw County licensed landfills shall file a quarterly report of the tons and types of materials delivered during the preceding quarter. The reports shall be filed within the first ten (10) working days of the month following the quarter for which the report is required, and shall be in the form and contain the information stated on the forms provided by the Solid Waste Management Office.

293 Suspension of License

Any licensed hauler of solid waste who fails to make the required monthly report within the time periods set forth in this Ordinance shall have its license suspended. The Environmental Agency shall notify the licensed hauler of solid waste and the licensed landfill operators within Saginaw County of each license suspension. The license shall be immediately restored following compliance with the terms of the Ordinance. Two (2) or more consecutive failures to make timely reports, or a continuing pattern of failures to make timely reports, or a failure to make accurate reports, in accordance with the terms of this Ordinance, may result in the revocation of the solid waste haulers license.

293.1 If material is collected, transported, or disposed of without a permit or license, pursuant to this Ordinance, the owner or operator of the vehicle from which such disposal occurs shall inform the Solid Waste Management Department and shall within ten (10) working days of the event file a written report with the Solid Waste

Management Department containing a complete description of the circumstances under which the disposal occurred.

294 Inspection

294.1 The Enforcement Agency may make periodic inspections of solid waste transport vehicles for the purpose of verifying load information and to determine compliance with requirements of this Ordinance and Public Act 641 of 1978, as amended.

294.2 The solid waste transport unit owner, operator, or other representative shall be entitled to be present during an inspection conducted pursuant to this section, however, the presence of the licensee or an authorized representative of the licensee is not a condition precedent to such inspection.

294.3 An inspection conducted pursuant to this section may be initiated at any time that the Enforcement Agency requesting the inspection has a reasonable belief that a solid waste transporting unit contains solid waste material destined for a disposal area within the County. The fact that an owner, operator, or other representative leaves the solid waste transporting unit unattended after an inspection has been initiated shall not require termination of the inspection.

294.4 Any vehicle inspection conducted pursuant to this section and performed at a disposal area shall not exceed two hours unless a warrant to search has been issued for same. Any such inspection performed at a location other than a disposal area may not exceed (thirty) 30 minutes unless warrant to search has been issued for same.

294.5 Whenever refuse in a truck cannot be properly inspected without discharge from the truck, the inspection shall be conducted at a disposal site.

294.6 There shall be no more than six (6) inspections under this section of any one solid waste transporting unit conducted within any consecutive six (6) month period except pursuant to a search warrant.

SECTION 300 COMPLIANCE SCHEDULE

300.1 The Enforcement Agency may issue a compliance schedule, including a sequence of actions, measures, or operations to provide for the upgrading of an existing solid waste disposal area within a reasonable time period.

- 300.2 For any existing solid waste disposal area, licensed or unlicensed, at which site preparation has been completed, Section 150 and 200 shall be excluded from the compliance schedule of Subsection 300.1 unless operation of the disposal area is found to cause a violation of this Ordinance. Based on a violation, the Enforcement Agency Director may issue a new compliance schedule to abate the violation; and the new compliance schedule may include any of the requirements of Sections 150 and 200 to abate the violation.
- 300.3 Solid waste disposal areas shall be upgraded in accordance with the compliance schedule.

SECTION 310 RIGHT OF ENTRY AND INSPECTION

- 310.1 To determine compliance with this Ordinance, all solid waste disposal areas are subject to inspection at any time by the Enforcement Agency. This includes all site inspections made during the preparation, construction, operation, closure, and thirty (30) year post-closure periods. Should entry to a premise for an inspection be refused, the Enforcement Agency may obtain a warrant authorizing premise entry and inspection pursuant to Section 2446 of Act 368 of Public Acts of 1978, being Section 333.2446 of the Michigan Compiled Laws. All changes of ownership or operating company or agency must be reported to the Solid Waste Management Department within ten (10) working days.
- 310.2 As stated in P. A. 368 of 1978, "The Enforcement Agency is empowered to collect and examine samples as deemed necessary to perform the duties prescribed herein, and to take photographic, video tape or other representation of conditions existent at the solid waste disposal area. No person shall hinder, obstruct, delay, resist or prevent any inspection made, or any sample collected and examined by the Enforcement Agency. Nor shall any person molest, intimidate, harass, or impede a representative of the Enforcement Agency in the lawful discharge of his or her powers and duties. To assure compliance with laws enforced by a local health department, the local health department may inspect, investigate, or authorize an inspection or investigation to be made of, any matter, thing, premise, place, person, record, vehicle, incident, or event. Sections 2241 to 2247 apply to an inspection or investigation made under this section."
- 310.3 As stated in P. A. 368 of 1978, "Upon a determination that an imminent danger to the health or lives of individuals exists in the area served by the local health department, the local health officer immediately shall

inform the individuals affected by the imminent danger and issue an order which shall be delivered to a person authorized to avoid, correct, or remove the imminent danger or be posted at or near the imminent danger."

SECTION 320 VARIANCES

- 320.1 Variances to the following parts of this Ordinance may be granted in writing by the Solid Waste Management Department in conjunction with the Enforcement Agency:
- A. Subsection 150.1 (paving of on-site roads)
 - B. Subsection 160.2 (off-site road maintenance plan)
 - C. Subsection 200.1 (landscaping)
 - E. Subsection 220.3 (sludge disposal)
 - F. Subsection 230.2 (ground and surface water quality)
- 320.2 To receive a variance for any of the above listed subsections, the applicant shall demonstrate, to the satisfaction of the Enforcement Agency, that the requirement is not feasible and prudent for the solid waste disposal area and that the proposed design construction or operation change will provide an equivalent degree of protection for the public health, welfare and environment or that the public health, welfare and government will not be additionally impaired.
- 320.3 A request for a variance for a solid waste disposal area shall be in writing and shall include the justification for the variance. For a new Act 641 licensed facility the request shall accompany the construction permit application or when submitting information required by Section 230. For an existing facility issued a construction permit or operating license prior to the effective date of this ordinance, a request for a variance shall be made with two years from the effective date of this ordinance.
- 320.4 When a request for a variance is received from an existing facility:
- A. The Enforcement Agency shall promptly notify the municipality in which the facility is located that a request for a variance has been received.
 - B. The municipality or the applicant for a variance may within ninety (90) days of receipt of the notice, request in writing a public hearing on the proposed variance.

If a public hearing is requested, the Enforcement Agency shall publish a notice in a newspaper having major circulation in the vicinity of the solid waste disposal area; and shall conduct the public hearing on the proposed variance.

If a public hearing is not requested, the Enforcement Agency shall review the request for a variance and make a determination within thirty (30) days of receipt of the notice.

- C. After the hearing, the Enforcement Agency shall review the comments and other testimony and make a decision on the proposed variance within thirty (30) days.

320.5 The requirements contained in the Ordinance shall be enforced until a written variance has been granted by the Enforcement Agency.

SECTION 330 ENFORCEMENT

330 Violation Notices

330.1 A person or a municipality who violates this Ordinance, the Saginaw County Solid Waste Management Plan, any license or permit conditions issued by MDNR or EPA or of any contract entered into by such persons or municipality with the County pursuant to the Plan, may be issued a violation notice by the Enforcement Agency. The violator will be given up to fifteen (15) days to correct the violation. The County may grant an extension. A monetary civil penalty shall not result from the issuance of a violation notice.

331 Citations for Minor Violations

331.1 A violation of the Solid Waste Ordinance is a violation of the Solid Waste Management Plan and Public Act 641. A minor violation is any violation, unless classified as a major violation.

331.2 A person or a municipality who violates this Ordinance, the Saginaw County Solid Waste Management Plan, or of any contract entered into by such persons or municipality with the County pursuant to the Plan, may be issued a citation by the Enforcement Agency Director not later than ninety (90) days after discovery of alleged violation.

331.3 The citation shall be written and shall state with particularity the nature of the violation, including reference to the section, subsection, rule, or order

alleged to have been violated, the civil penalty established for the violation, and the right to appeal the citation pursuant to Section 332. The citation shall be delivered or sent by certified mail to the alleged violator.

331.4 A violation for which a citation is issued shall be assessed a monetary civil penalty as specified in Part 333 of this Section.

331.5 A continuing violation, greater than twenty-four (24) hours in duration, constitutes a new violation for each day upon which it occurs or continues, for which a citation may be issued.

332 Administrative Hearing

- A. Not later than 20 days after receipt of the citation, the alleged violator may petition the Enforcement Agency for an administrative hearing which shall be held within 30 days after the receipt of the petition. After the administrative hearing, the Enforcement Agency Director may affirm, dismiss, or modify the citation. The decision of the Enforcement Agency Director shall be final.
- B. A person aggrieved by a decision of an Enforcement Agency Director under this section may petition the circuit court located for review. The petition shall be filed not later than 60 days following receipt of the final decision.
- C. A civil penalty becomes final if a petition for an administrative hearing or review is not received within the time specified in this section. A civil penalty may be recovered in a civil action brought in the county in which the violation occurred or the defendant resides.

333 Monetary Civil Penalties

333.1 Citations which are issued for minor violations involving the same section of this ordinance shall be cumulative within any twelve (12) month period and have the following monetary civil penalty together with any cost of prosecution, including staff costs and attorney fees:

- A. First citation . up to \$ 1,000
- B. Second citation up to \$ 2,000
- C. Third citation up to \$ 3,000

Major violations

- A. A single violation of any of the following subsections of this Ordinance for which a citation has been issued: 140.1, 220.3, 220.8, 230.2, 230.3, 251.2, 251.6, 300.3, 338.3.
- B. A fourth citation or more, for an otherwise minor violation involving the same section of this Ordinance within any twelve (12) month period.
- C. A material breach of any contract entered into by any person or municipality with the County pursuant to the plan providing that nothing herein shall pre-empt or preclude the operator of any other remedy available under such contract, and all such remedies shall be accumulative.
- D. The furnishing of false, forged, fictitious, or intentionally misleading information, in written or verbal form.

334.1 Citations which are issued for major violations involving the same Section of this Ordinance shall be cumulative within any twelve (12) month period and subject to a fine of up to \$10,000 per day together with any cost of prosecution.

334.2 The Enforcement Agency shall issue citations for each major violation after considering the following factors as may be relevant, and shall give such weight to each factor, as in the Enforcement Agency's judgement, the particular situation merits.

- A. Whether the violator has committed any prior violation, regardless of whether any administrative, civil or criminal proceedings has commenced therefore.
- B. History of the violator in taking all feasible procedures and steps, necessary or appropriate, to correct any violation.
- C. Gravity and magnitude of the violation.
- D. Whether the violation was repeated or continuous.
- E. Whether the cause of the violation was an unavoidable accident, negligence, or any intentional act of the violator.
- F. The opportunity and degree of difficulty to correct the violation.

334.3 Payment of the monetary civil penalty shall be made within fifteen (15) working days of the date the imposed penalty becomes final.

335 Appearance Tickets

335.1 A person believed to be in violation of this ordinance, the Saginaw County Solid Waste Management Plan, or any contract entered into by such persons or municipality with the County pursuant to the Plan, may be issued an appearance ticket under Section 2463 of Act 368 of Public Acts of 1978, being Section 333.2463 or the Michigan Compiled Laws, commanding such a person to appear in court.

335.2 Failure to appear in court on the date for appearance will subject the person to arrest upon issuance of a complaint and warrant on recommendation of the County Prosecutor's Office.

335.3 Persons convicted of a violation of this Ordinance based upon an appearance ticket shall be guilty of a criminal misdemeanor and subject to a fine, or imprisonment, or both, as provided in Section 2441 (2) of Act 368 of the Public Acts of 1978, being Section 333.2441 (2) of the Michigan Compiled Laws.

335.4 The Enforcement Agency may issue appearance tickets without prior or subsequent issuance of a citation, violation notice, or order, based on visual inspection or observation of the event.

336 Additional Civil Fines and Penalties

336.1 In addition to any civil fine or penalty imposed by enforcement of Sections 332 through 333 of this Ordinance, the County pursuant to the authority of Section 33 of P.A. 641 of 1978, as amended, may bring an action for further appropriate relief and in addition to any other relief provided by law or this ordinance, request the court to impose a civil fine of not more than \$10,000.00 for each day of any violation of this ordinance.

337 Criminal Complaints and Warrants

337.1 The Solid Waste Coordinator or the Enforcement Agency may request from the County Prosecutor's Office recommendation for the issuance of criminal misdemeanor complaint and warrant for the arrest and prosecution of any person or officer or employee of a municipality believed to have violated this Ordinance, the Saginaw

County Solid Waste Management Plan, or of any contract entered into by such persons or municipality with the County pursuant to the Plan.

337.2 Persons convicted of violation of this ordinance or the Saginaw County Solid Waste Management Plan based upon a criminal complaint will be subject to a fine or imprisonment or both as provided in Section 36 of Act 641 of the Michigan Compiled Laws of 1978.

337.3 The Enforcement Agency may make requests for the issuance of a criminal complaint and warrant for violation of this Ordinance or the Saginaw County Solid Waste Management Plan without prior or subsequent issuance of a citation, violation notice, appearance ticket or order.

338 Orders

338.1 Upon a determination by the Enforcement Agency Director that an imminent danger to health or lives of individuals exists, caused by a condition of improper solid waste management, the Enforcement Agency Director shall issue an order to the responsible party requiring immediate action to avoid, correct, or remove the imminent danger or take other action as provided by Section 2451 of Act 368 of the Public Acts of 1978, Section 333.2451 of the Michigan Compiled Laws.

338.2 Pursuant to Section 2455 of Act 368 of Public Acts of 1978, being Section 333.2455 of the Michigan Compiled Laws, the Enforcement Agency may issue an order to avoid, correct or remove, at the owner's expense, a building or condition which violates this ordinance or which the Enforcement Agency Director reasonably believes to be a nuisance, unsanitary condition or cause of illness caused by a condition of improper solid waste management.

338.3 The person or municipality shall comply with an order issued under Part 337 of this section within the time specified.

339 Agreements, Contracts, or Arrangements

339.1 Pursuant to Section 2435(c) of Act 368 of Public Acts of 1978, being Section 333.2435(c) of the Michigan Compiled Laws, the Enforcement Agency may enter into agreements, contracts or arrangements with a governmental entity or persons necessary or appropriate to assist the Enforcement Agency in carrying out its duties and functions unless otherwise prohibited by law.

340 Civil Actions

340.1 Pursuant to Sections 2462(3) and 2465(1) of Act 368 of Public Acts 1978, being Section 333.2462(3) and Section 333.2465(1) of the Michigan Compiled Laws and Act 641, the Enforcement Agency and/or Solid Waste Coordinator on behalf of the county, may institute appropriate civil court actions to:

- A. Enforce and enjoin violation of this ordinance including citations, violation notices, and orders issued under this Ordinance and agreements, contracts, or arrangements entered into under this Ordinance.
- B. Restrain, abate or destroy conditions causing pollution, destruction, or impairment of the environment.
- C. Recover unpaid monetary civil penalties.

341 Suspension of Enforcement

341.1 The Enforcement Agency Director may grant suspension of enforcement in writing, of specific sections, parts, or subsections of this Ordinance to the owner or operator of a solid waste disposal area for good cause shown.

341.2 The owner or operator of a solid waste disposal area operating in violation of this Ordinance may request suspension of enforcement. Such a request shall be in writing and include a control program which is designated to abate the violation. Such a proposed control program shall include as a minimum the following items:

- A. Methodology and/or type of control equipment to be used.
- B. Demonstration by the owner or operator that compliance with this Ordinance shall be achieved upon completion of the control program.
- C. Temporary interim control measures designed to minimize the conditions which indicated that the operation is in violation of this Ordinance.
- D. Successive dates by which each of the aforementioned measures will be in place.

341.3 The Enforcement Agency Director in approving or disapproving the request for suspension of enforcement may consider but not necessarily be limited to the following:

- A. History of action taken to minimize violations of this Ordinance.

B. The effect the violation has on the environment and the public health, safety, and welfare.

C. Timeliness of the completion of the control program.

341.4 The Enforcement Agency Director may approve a suspension of enforcement with stipulated conditions.

341.5 If the owner or operator fails to comply with the approved control program, the Enforcement Agency Director shall revoke a granted suspension of enforcement upon written notice. No further suspension of enforcement shall be granted for the specified violation.

341.6 During the time a suspension of enforcement is in effect, the Enforcement Agency will not initiate any enforcement action under those sections, parts, or subsections of this Ordinance specifically suspended.

SECTION 410 AMENDMENTS

410 Any amendments to this ordinance will be made after Public notice and public hearing as provided by law.

SECTION 420 INTERPRETATION CLAUSES

420 Other Laws and Regulations

420.1 This Ordinance provides minimum standards, supplemental to the statutes of the State of Michigan and the administrative rules duly promulgated thereunder. Where any provision of this Ordinance and a provision of any Federal or State statute or rule both apply, the more restrictive of any or all codes, statutes, ordinances, or rules shall prevail.

421 Interpretation

421.1 Provisions of this Ordinance shall be construed liberally so as to best preserve the public health and safety. The word "shall" is mandatory, not merely directory.

422 Severability

422.1 If any part of this Ordinance is declared illegal or unconstitutional by a court of competent jurisdiction, the decision shall not effect any portion of the Ordinance which remains and the remainder shall be in full force and effect.

423 Savings Clause

- 423.1 Regulations or ordinances adopted by the County Commission which are in effect on the date this ordinance becomes effective continue to the extent they do not conflict with this ordinance. If a conflict exists with existing ordinance, this ordinance prevails.

SECTION 430 EFFECTIVE DATE

- 430.1 This Ordinance will become effective 90 days after the date the Director of the Michigan Department of Natural Resources approves the Saginaw County Solid Waste Management Plan.

ATTACHMENT A

Surcharge at Landfills:

Fifty (.50) cents per cubic yard as measured at the gate of the landfill.

LICENSING FEES FOR SOLID WASTE HAULERS AND CONTAINERS

License fees:

Sticker Fee - \$5.00 per vehicle
 \$5.00 per container

<u>Annual Amount of Waste (Yards)</u>	<u>Fee</u>
0 - 100	\$ 0.00
101 - 1,000	\$ 250.00
1,001 - 5,000	\$ 500.00
5,001 - 10,000	\$ 750.00
>10,000	\$1,000.00