

DELTA COUNTY SOLID WASTE MANAGEMENT PLAN AMENDMENT TO THE COUNTY PLAN

The Delta County Solid Waste Management Planning Committee has received a request from Escanaba Paper Company to amend the county solid waste plan to allow additional non-hazardous solid waste materials and other Type III wastes generated within the Escanaba Paper Company mill site property to be disposed of at the existing Escanaba Paper Company landfill and to change references of "Mead Paper Company" and/or "NewPage Corporation" to "Escanaba Paper Company".

A 90-day Public Review Period is established from June 14, 2014 until September 15, 2014. A Public Hearing on the Plan will be held after the Public Review Period at a time and place to be determined.

Copies of the Plan Amendment may be viewed at the following locations during normal office hours:

Delta County Administration office, 310 Ludington Street, Escanaba
Escanaba Public Library, 400 Ludington Street, Escanaba
Gladstone Public Library, 300 South 10th Street, Gladstone
CUPPAD Regional Commission, 2415 14th Avenue South, Escanaba

In addition the Plan is found on the following websites:

<http://www.deltacountymi.org> under the News tab
<http://www.cuppad.org>

Comments on the Plan Amendment may be submitted to and addressed to Delta Solid Waste Plan Amendment, c/o CUPPAD Regional Commission, 2415 14th Avenue South, Escanaba, MI 49829.

EXECUTIVE SUMMARY

CONCLUSIONS

The Solid Waste Planning Committee reviewed and discussed various scenarios and options of waste disposal. Alternatives ranged from ceasing operations of the present county landfill and exporting wastes, to continuing with the landfilling of wastes locally.

The alternatives were assessed as to their consistency with solid waste management goals and objectives, their economic feasibility and the likelihood of receiving public approval.

The Delta Solid Waste Management Authority (Landfill Authority) recently, as a result of negotiations with the Department of Environmental Quality, reconstructed its landfill facility and has an expected 28 years of capacity. The Landfill Authority has financial commitments for bonds for the reconstruction activities.

The preferred alternative is continue with landfilling of waste at the Delta Landfill, with efforts directed at resource recovery of recycling and composting to prolong the life of the landfill. Diverting hazardous materials from the waste stream would prevent possible contamination while preserving the landfill liner integrity by lessening the potential of its failure.

SELECTED ALTERNATIVES

Disposal of residential household and industrial waste is provided at the Delta Landfill. The Delta Solid Waste management Authority has recently reconstructed its Type II landfill facility and has an expected life of 28 years.

Mead Paper Company-Escanaba Paper Company provides for the disposal of generated industrial and construction & demolition waste at all integrated facilities located within the facility boundary of the Escanaba Paper Company ~~its generated industrial waste~~ at its company-owned and maintained landfill.

Collection of solid waste is hauled by both private haulers and the municipalities of the Cities of Escanaba and Gladstone, and the Village of Garden. A transfer station owned and operated by Garden Township, hauls wastes collected at that site to the Delta Landfill. Individuals can direct haul wastes to the Delta Landfill.

Solid waste is authorized to be imported from Alger, Baraga, Chippewa, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft Counties for primary disposal. Acceptance of waste at the Delta Landfill is contingent upon acceptance of the waste for disposal by the Delta Solid Waste Management Authority, with a maximum of 24,000 tons a year from other counties.

Solid waste is authorized to be exported to Alger, Baraga, Chippewa, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, and Schoolcraft Counties. Exportation of solid wastes, other than waste generated by Mead-Escanaba Paper Company is permitted when there is a discontinuance of Delta Landfill operations. Waste that cannot be accepted at the Delta Landfill or the waste is processed through a transfer station owned or operated by the Landfill Authority may be exported.

DATA BASE

Essentially all the waste generated within Delta County is disposed of at the Delta Landfill, in accordance with the Delta County flow control ordinance. Type III Waste (inclusive of industrial waste, sludge, ash and construction & demolition waste) -generated by operations of ~~Mead Publishing Paper Division's~~ Escanaba Paper Company and integrated facilities located within the facility boundary of Escanaba Paper Company is disposed at ~~their~~ landfill. Municipal sludge is generated from both the water and wastewater treatment operations of the cities of Escanaba and Gladstone. The following chart details the amount of waste generation by source.

Waste Generation in Delta County (as reported from various sources)			
	Current Annual	Five Year	Ten Year
Delta Landfill			
Residential	13,899.01 tons	14,176.99 tons	14,460.53 tons
Commercial	9,342.92 tons	9,511.42 tons	9,701.65 tons
Construction/Demolition	4,414.76 tons	4,503.06 tons	4,593.12 tons
Industrial (ash & petroleum soil)	11,685.08 tons	11,918.78 tons	12,157.16 tons
City of Escanaba			
Municipal Sludge	319 tons	325.385 tons	331.89 tons
City of Gladstone			
Municipal Sludge	75 tons	76.5 tons	78.03 tons
Escanaba Paper Landfill (Mead<u>Escanaba Paper Company</u>)			
Industrial Sludge	64 <u>56</u> ,000 cubic yards	54,0 <u>58</u> ,800 cubic yards	46,0 <u>61</u> ,700 cubic yards
Industrial Waste (ash)	24 <u>58</u> ,000 cubic yards	22,0 <u>60</u> ,900 cubic yards	23 <u>64</u> ,000 cubic yards
<u>Industrial Waste</u>	<u>TBD</u>		
<u>C & D Debris</u>	<u>TBD</u>		

The Delta Solid Waste Management Authority has recently completed reconstruction of two cells (3A and 3B) at the Type II landfill with a double composite liner. The Landfill Authority has closed Cell2 with final cover, as well as the Type III landfill. Effective January 31, 1998, the Landfill Authority stopped accepting waste for disposal in Cell 1 and the Type III landfill. The closures and reconstruction activities were required as part of a consent agreement between the Michigan Department of Environmental Quality and Delta Solid Waste Management Authority. In 1996, the DEQ discovered abnormally high levels of iron and manganese in test wells at the landfill. In addition the landfill was having problems with its leachate collection system. Based on current waste volumes, the reconstructed landfill is expected to have a 28 year capacity.

DATA BASE

Solid Waste Disposal Areas for Delta County

Delta County Solid Waste Landfill is located in the North ½ of Section 22, Township 39 North, and Range 23 West in the City of Escanaba. The land is leased by Delta County from the City of Escanaba. Delta County subleases the land to the Delta Solid Waste Management Authority (Landfill Authority). The landfill serves as the disposal site for Type II and Type III wastes generated within Delta County. The facility is located on a 63.2 acre parcel, of which 8.70 acres are permitted as a landfill. With an estimated yearly disposal volume of 25,000 tons, the landfill has an estimated lifetime of 28 years.

Big Bay de Noc Transfer Station is located in the Southeast ¼ of the Northeast ¼ of Section 16, Township 40 North, Range 18 West, and Garden Township. Garden Township constructed the transfer station using funding through the Clean Michigan Fund. The transfer station accepts Type II wastes from the surrounding area. The size of the structure is 65 feet by 17 feet and contains a roll-off container, compactor pit, hopper and attendant's office and rest room. An adjacent garage houses the facility's roll-off truck. The wastes are hauled to the Delta Landfill.

Escanaba Paper Company (~~Mead Publishing Paper Division~~) operates a landfill in Sections 25 & 36, Township 40 North, and Range 23 West ~~solely~~ for disposal of wastes generated by integrated facilities located within the facility property. ~~their operations.~~ There are ~~74.5-2,060~~ acres of facility property with 132.4 acres permitted as a landfill with an estimated life of ~~65-37~~ years.

FACILITY DESCRIPTIONS

Facility Type: Type III ~~Industrial~~ Landfill (Industrial and C&D Landfill)

Facility Name: Escanaba Paper Company

County: Delta Location: Town: 40N Range: 23W Section(s): 25, 36

Map identifying location included in Attachment Section: Yes No

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

Public Private Owner: Escanaba Paper Company

Operating Status (check)

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

(New facility)

Waste Types Received (check all that apply)

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

* Authorized to be accepted upon issuance of a construction permit or other necessary approvals from the MDEQ

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

Site Size:

Total area of facility property: 2060 acres

Total area site for use: 74,5132.4 acres

Total area permitted: 74,5132.4 acres

 Operating: 16.642 acres

 Not excavated: 57,990.4 acres

Current capacity: 5,74,200,000 tons or yds³

Estimated lifetime: 65 — 37 years

Estimated days open per year: 365 days

Estimated yearly disposal volume: 85114,000 tons or yds³

(if applicable)

Annual energy production:

 Landfill gas recovery projects: N/A megawatts

 Waste-to-energy incinerators: N/A megawatts

DATA BASE

SOLID WASTE COLLECTION SERVICES AND TRANSPORTATION INFRASTRUCTURE

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

Service Provider	Public/Private	Service Area	Payment	Disposal Facility
Big Bay de Noc Transfer Station	Public	Village of Garden, Garden Township, Fairbanks Twp.	Two mills on Garden Township property and per bag charge for non-township residents	Delta County Landfill
City of Escanaba	Public	City of Escanaba	City property tax Added fee	Delta County Landfill
City of Gladstone	Public	City of Gladstone	City General Fund Added fee	Delta County Landfill
Delta Disposal	Private	Delta County	Customer	Delta County Landfill
Great American Disposal	Private	Walmart and Bark River	Customer	Delta County Landfill
Nichols Disposal	Private	Delta County	Customer	Delta County Landfill
Escanaba Paper Company (Mead)	Private	Mead-Escanaba Paper Company	Mead-Escanaba Paper Company	Escanaba Paper Company Landfill

Municipal Collection Services:

The City of Escanaba provides residential and commercial collection services within the City. This service is supported financially through the general property tax and a separate utility fee. A special utility fee of \$3.00 to \$12.00 per month is charged to each single family home, apartment or commercial business in the city. This fee was established to help offset collection and disposal costs.

The City of Gladstone provides residential and commercial collection services within the City. A utility fee of \$4.00 monthly, in combination with general property tax revenues, supports this service. The additional utility fee has been levied since August 1, 1997, to help offset increased landfill tipping fees.

The Big Bay de Noc Transfer Station located in Garden Township accepts general household (Type II) solid wastes. The transfer station is owned and operated by Garden Township. Operational costs of the transfer station are provided through a 2 mill property tax levy. Persons living outside of Garden Township may use the transfer station on a pay-per-bag basis. Solid waste collected at the facility is hauled to the Delta County Landfill for disposal.

Village of Garden provides residential and commercial collection service within its boundaries. The waste is hauled to the Big Bay de Noc Transfer Station. Operational and maintenance costs are provided through the Village property tax.

Private Collection Services:

The private collection services of Escanaba pick-up Service and Delta Sanitation merged in August of 1997 to form Delta Disposal. Delta Disposal provides residential and commercial collection services throughout Delta County. The waste is transported to the Delta County Landfill. The service charge is based on the frequency of collection and type of container and service provided.

Great American Disposal provides collection services for commercial sites in the City of Escanaba (such as WalMart) and residential collection in the western section of Delta County. The service charge is based on the frequency of collection and type of container and service provided.

Nichols Disposal provides residential and commercial collection services. This service charge is based on frequency of collection and type of container and service provided.

Escanaba Paper Company provides for waste hauling and disposal for all solid waste generated ~~at~~ within the facility property. The costs are the responsibility of ~~Mead Corporation~~ Escanaba Paper Company.

The Delta County Landfill allows individuals to haul and dispose of waste at the current rate of \$48.00 per ton. The minimum disposal fee is \$5.00 for up to 230 pounds of waste.

DATA BASE

EVALUATION OF DEFICIENCIES AND PROBLEMS

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

- Increased Recycling vs. Waste to sustain operations: Based on the current tipping fee of \$48.00 a ton, the Delta Landfill needs more than 2,000 tons per month to cover operations and repayment of the landfill bonds. A dramatic increase in recycling rate for the county could adversely impact the landfill finances, but at the same time recycling could prolong the air space available at the landfill. The landfill authority could experience a short term cash flow problem, but in the future would not have to construct new cells as planned. An increase in recycling efforts may result in an increase in tipping fees in the short-term, but will have long-term environmental and financial benefits.
- Flow Control: There is the concern that there is waste leaving the county in violation of the county flow control ordinance. There have been several instances of building demolition's where the waste was brought to a landfill in another county or governmental agencies allowing waste to be disposed of out of county. Delta County needs to continue to monitor and actively enforce the flow control ordinance. The County has increased the fine to \$500 a day for violation but the ordinance should be reexamined to assure that there is no financial gain to utilize an out-of county landfill. Violators of the ordinance should compensate the Landfill Authority for the difference in the out of county tipping fee and the tipping fee charged at the Delta Landfill, in addition to the \$500 per day fine. And/or jail time.

Demolition permits issued by the respective jurisdictions should indicate that all demolition waste must be delivered to the Delta Landfill in conformance with the Delta County Flow Control Ordinance. As more buildings are torn down in the county, there is the chance that more waste will be transported out of county.

- Escanaba Paper Company (~~Mead Paper Publishing Division~~): ~~Mead-Escanaba~~ Paper Company has operations as well as land holdings in other counties in the Upper Peninsula. A possible scenario is the Company may have oil or barrels illegally dumped on ~~their-its~~ property which the Company needs to dispose of. For liability reasons, the Company would like to have the option of transporting wastes generated at ~~their-its~~ operations or wastes found on ~~their-its~~ own property disposed of at ~~their-its~~ own landfill located in Delta County. Flow control in Marquette County prohibits the company from bringing these wastes into Delta County for disposal at ~~their-its~~ landfill. The present Delta County Solid Waste Plan also prohibits such waste to be brought into Delta County. The new updated county plan should recognize that this waste should be considered as industrial and be allowed to come into the county for disposal at the ~~Mead-Escanaba Paper Company~~ Landfill.
- Waste Generation to Increase: An increase in waste generation amount is likely as the county population grows, which will tend to improve the landfill's revenue situation. With an expected increase in tonnage disposed at the Delta Landfill, an increase in recycling participation may not have a negative impact on the landfill's cash flow.

Pays a reduced fee for the amount of ash that is used as daily cover; at present, the Landfill Authority receives money for its daily cover. If and when the power plant closes, the Landfill Authority will have to pay for its daily cover.

Due to better utilization and more efficient management of operations, there is less ash being generated than in previous years; The Landfill Authority will need to purchase sand for daily cover.

- Contingency Disposal Agreements: Now that the Delta Landfill has secured its operating permit from the DEQ, the Landfill Authority should proceed with negotiations with landfills in surrounding counties, especially Marquette, Alger and Menominee Counties, for a contingency /reciprocal use agreements in case a problem develops with the landfill in the future.

The Landfill Authority should have discussions with ~~Mead~~-Escanaba Paper Company on the use of ~~their~~ its landfill for a short-term basis in the case of an immediate emergency. The agreement may be reciprocal to provide ~~Mead~~-Escanaba Paper Company a disposal facility they could utilize on a short term basis for an immediate emergency. Since the Escanaba Paper landfill is a Type III landfill, it would be restricted to the Type III waste being disposed at the Delta County Landfill, and not the Type II waste being disposed at the Delta County Landfill. The Escanaba Paper Landfill's operating license may further restrict the kind of Type III waste that can be accepted at this landfill. The language of a reciprocal agreement would specify what type of waste can be disposed at the respective landfills.

- Leachate Line at the landfill: The leachate line from the landfill to the Escanaba city sewer system needs to be upgraded from a two inch line to a four inch line to clean and maintain. The City of Escanaba realizes that an eight inch sewer line would be beneficial in order to provide sewer services to any business or industry that may want to locate along 19th Avenue North. Cost for the increase in the size of the line could be proportionally shared between the Landfill Authority and the City.
- Illegal Dumping: As the rates for waste disposal increase, there is the problem of people disposing waste illegally in the woods on public and private lands.
- Ongoing Recycling Education: For the voluntary recycling program to be effective, an ongoing public education program is needed. Brochures could be distributed to the public at the landfills and regular advertising of the program.

DATA BASE

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

There are a number of alternatives which have been considered regarding management of solid wastes in Delta County:

Alternative #1:

- Cease county landfill operations: The Delta Landfill would cease operations and existing landfill cells would be closed. All waste would be shipped to a landfill out of county. The waste could be processed and hauled by either the Landfill Authority by its own employees or under contract with a private firm to an out-of county landfill for disposal. The cost for such an arrangement is estimated to be \$58.50 per ton. Closure and past-closure costs would exceed \$20 million.

~~All W~~waste generated ~~within the by Mead Paper Company (Escanaba Paper Company) property~~ would continue to be disposed of at ~~their its~~ site. The shipment of the industrial and/or construction & demolition waste from the ~~paper company property~~ to an out- of-county site would have a dramatic negative impact on ~~their- its~~ operations.

Alternative #2:

- Waste Incineration: All wastes collected in the county would be incinerated for generating electricity. Waste materials that cannot be reduced, reused, or recycled would be separated into combustible and non-combustible materials. The only materials requiring landfilling would be incinerator ash and non-combustibles such as concrete rubble.

Nationally, about 14 percent of municipal solid waste is incinerated which indicates it is still a viable option in some areas. In Michigan, however, due largely to increased regulation of air emissions, the popularity of incineration has declined and the cost of operation risen.

Challenges facing an incineration alternative include locating a market for the energy produced, complying with air emission standards, and existing financial commitments to the landfill.

Based on previous plans and studies, it was determined there was not enough waste generated in Delta County to consider it feasible.

The primary benefit is the preservation of landfill space through a significant reduction in the amount of material being disposed. Secondary benefits are: availability of an alternate fuel for energy production and greater attention to recycling.

Alternative #3:

- Organic waste conversion: Waste would be converted to a pellet that would be burned as

SELECTED SYSTEM

There are some outlying areas in the county which do not receive curbside recycling service. Efforts need to be explored to expand the service, through encouraging private haulers to provide the service or the Landfill Authority providing the service.

The manned recycling center has expanded hours.

- Hazardous Waste Collection Program: As a result of the Consent Agreement with the DEQ, the Landfill Authority will have instituted a Household Hazardous Waste Collection program, in addition to being a depository for pesticides collected from throughout the UP. Through a State grant from the Michigan Department of Agriculture, the Delta Solid Waste Management Authority has become the central deposit point for unneeded pesticides from throughout the Upper Peninsula. Program collection and disposal costs are reimbursable; administrative costs are the responsibility of the Authority.

- Escanaba Paper Company (~~Mead Paper Publishing Division~~): All Wwaste generated as a result of ~~Mead's~~ operations within Escanaba Paper Company's facility property in Delta county would be landfilled at ~~their- its~~ own landfill facility, including industrial waste and construction & demolition debris. All costs would be the company's responsibility.

- Enforcement and Local Ordinance/Resolutions: The county solid waste flow control ordinance will remain ~~in-effect~~in effect to assure that residential and commercial waste generated in the county (with the exception of waste generated ~~by~~within Escanaba Paper Company's facility boundary) is disposed of at the Delta Landfill. Local units will be allowed the opportunity to implement rules and regulations regarding the collection and funding of programs within their respective jurisdiction.

FACILITY DESCRIPTIONS

Facility Type: Type III ~~Industrial~~ Landfill (Industrial and C&D Landfill)

Facility Name: Escanaba Paper Company

County: Delta Location: Town: 40N Range: 23W Section(s): 25, 36

Map identifying location included in Attachment Section: Yes No

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

Public Private Owner: Escanaba Paper Company

Operating Status (check)

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

(New facility)

Waste Types Received (check all that apply)

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

* Authorized to be accepted upon issuance of a construction permit or other necessary approvals from the MDEQ

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

Site Size:

Total area of facility property: 2060 acres

Total area site for use: 74.5132.4 acres

Total area permitted: 74.5132.4 acres

 Operating: 16.642 acres

 Not excavated: 57.990.4 acres

Current capacity: 5,74,200,000 tons or yds³

Estimated lifetime: 65—37 years

Estimated days open per year: 365 days

Estimated yearly disposal volume: 85114,000 tons or yds³

(if applicable)

Annual energy production:

 Landfill gas recovery projects: N/A megawatts

 Waste-to-energy incinerators: N/A megawatts

SITING REVIEW PROCEDURES

AUTHORIZED DISPOSAL AREA TYPES

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

SITING CRITERIA AND PROCESS

Expansion or constructions of the following solid waste facilities are considered to be consistent with the Delta Solid Waste Management Plan Update:

- Expansions of the Delta Landfill facility located in Section 22, Township 39 North, Range 23 West, Delta County is permitted.
- Expansions of and/or changes in disposal area types to include other non-Type II wastes ~~of~~at the Escanaba Paper Company (~~Mead Paper Publishing Division~~) landfill facility located in Sections 25 and 36, Township 40 North, Range 23 West ~~is~~are permitted.
- Construction of a solid waste transfer station in Section 22, Township 39 North, Range 23 West, and Delta County is permitted.

Facilities other than those identified above require a formal amendment to the Plan Update in order to be considered consistent with the County Solid Waste Management Plan. Ten years of landfill capacity has been provided to Delta County and therefore Delta County chooses not to have a siting process in its Plan.

Volume Reduction Techniques:

- The Delta Landfill Authority will continue to monitor the use of the compactor at the landfill to save valuable airspace at the facility.

Collection Process:

- Local units of governments will retain the right to collect solid waste within their jurisdiction, contract with private haulers or allow the private sector to assume the service. Private haulers will continue to provide waste collection services to residences and businesses within the county. The cities of the Escanaba and Gladstone and the village of Garden (and other municipal waste haulers) will be responsible for funding their respective programs in accordance with state statutes.
- Garden Township will continue with operation of the Big Bay de Noc Solid Waste Transfer Station transporting the wastes to the Delta Landfill. The Township could contract with a private firm for operation and management of the facility.

Operational costs of the facility will be the responsibility of Garden Township. Funds could come from the township's general fund, extra voted millage, special assessment and/or per bag fee charged to non-residents. Through agreements, the Townships of Nahma and Fairbanks could contribute toward the operational costs.

Landfilling:

- The landfilling of wastes will remain the primary waste disposal option.
- The Delta Solid Waste Management Authority will continue with its role of providing for the disposal of waste in Delta County. Construction of new cells and/or expansions of the existing site will occur as needed.

Expansion costs should be funded through the tipping fee; sufficient funds should be set aside for construction costs, as well as reserve fund to pay for the eventual closure of the facility. The Authority should periodically evaluate the user fee to make certain the tonnage fee collected adequately provides sufficient revenue for operations, future expansion and closure activities.

- Escanaba Paper Company (~~Mead Paper Publishing Division~~) will continue to manage all non-hazardous solid wastes generated within the facility property by disposal its wastes at its ownat their its landfill facility. Construction of new cells and expansions at the existing facility will occur as needed. Operating costs are the responsibility of ~~Mead-Escanaba Paper Company~~ Corporation.

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. There are 28 years of capacity for waste disposal at the Delta Landfill.
2. Cost savings will continue as a result of compacting waste at the Delta Landfill.
3. The Landfill Authority structure provides for representation of cities and townships to discuss solid waste issues and concerns.
4. Public ownership of the landfill will assure the tipping fee is kept to a minimum with environmentally sound management.
5. The county-wide recycling and composting program will continue to divert materials away from the waste stream, thus extending the life of the landfill.
6. All waste generated through ~~Mead Paper Publishing Division~~ Escanaba Paper Company facility property operations will be economically disposed of at their ~~its~~ -own disposal site.
7. Hazardous and pesticide collection program will assure that the integrity of the landfill is maintained.

DISADVANTAGES:

1. There is a lack of final disposal options available to the consumer.
2. After the landfill is closed, on-going closure activities will be the responsibility of the Landfill Authority and the City of Escanaba.
3. The present voluntary recycling program does not result in 100% participation of the public.