

APPENDICES

APPENDIX A

ADDITIONAL INFORMATION REGARDING THE SELECTED SYSTEM

EVALUATION OF RECYCLING

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

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS:

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

In developing program recommendations and timelines for implementation, the following program goals are assumed:

System Performance Goals

1997 Current System: 4% Residential/Commercial/Industrial Recovery Rate

	Total Waste Generation Tons/yr**	Tons Recycled	Tons Composted	Total Recovery	Recovery Rate	Total Tons Disposed
Residential	11,857	190	385	575	5%	11,282
Combined C/I	22,145	762		762	3%	21,383
Special*	81,000	19,400		19,400		61,600
TOTALS	115,002	20,352	385	20,737	18%	94,265

* sand, slag, other debris from East Jordan Iron Works (EJIW)

Year 2003: 10% Recovery Rate (excluding EJIW)

	Total Waste Generation Tons/yr**	Tons Recycled	Tons Composted	Total Recovery	Recovery Rate	Total Tons Disposed
Residential	13,297	810	600	1,410	10.6%	11,887
Combined C/I	23,602	2,360		2,360	10%	21,241
TOTALS	36,898	3,170	600	3,770	10%	33,128

Special (EJIW)	81,000	19,400				61,600
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Year 2008: 25% Recovery Rate (excluding EJIW)

	Total Waste Generation Tons/yr**	Tons Recycled	Tons Composted	Total Recovery	Recovery Rate	Total Tons Disposed
Residential	13,784	2,475	1,100	3,575	25.9%	10,209
Combined C/I	25,095	6,274		6,274	25%	18,821
TOTALS	38,879	8,749	1,100	9,849	25%	29,031

Special (EJIW)	81,000	19,400		19,400		61,600
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Program Recovery Estimates (tons per year)

	1998	2003	2008
Drop-off system	170	750	1575
Curbside recycling	20	60	900
Commercial recycling	762	2,360	6,274
Yard waste	385	600	1100
Total Recovery	1,480	3,770	9,849

Specific programs are described here which will help Charlevoix County reach the target levels of recovery by the year 2008. Key features of the system include:

- Clean Community Program: emphasis on education, community organizing activities and special programs such as household hazardous waste and agriculture waste collection.
- Drop-off Recycling: expansion of the current system, including additional sites, more convenient access, and assured access for all County residents and small businesses; a greater range of recyclable materials will be accepted at one permanent flagship site, including eventually construction and demolition material (C&D).
- Curbside Recycling: Begins with subscription recycling and expanded by year 2003 to include contracted collection for all households within a designated curbside district.
- Yard Waste Collection: Expansion of drop-off opportunities and fall leaf collection in municipalities.
- Commercial Recycling: Expanded drop-off and aggressive collection opportunities for corrugated and mixed office paper.
- Waste Transfer: Consideration of waste transfer capabilities may become desirable to provide greater waste disposal options.
- System Participation Incentives: Pay-as-You-Throw (PAYT) programs, aggressive public education and other incentives will help ensure full participation in recovery

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:

Semi trailer roll-offs, 10 yard dumpsters, and Gaylord boxes are currently used at existing recycling locations in Boyne Valley Township, Melrose Township, East Jordan, and at the Beaver Island Transfer Station.

Proposed Programs:

Efforts will be undertaken by the County Board of Commissioners to standardize equipment at all existing and future recycling drop-off location after a determination as to what equipment will be compatible, with the selected providers equipment.

Site Availability & Selection

Existing Programs:

Current locations will continue to be used for both the recycling and composting programs subject to the parties owning the particular sites.

Proposed Programs:

Glens Markets staff has indicated a willingness to serve as the location for recycling drop-off sites in Charlevoix and Boyne City, provided approvals are obtained from the property owner in Charlevoix and both the cities of Boyne City and Charlevoix, to insure compliance with local zoning. Additional sites will be explored as the need for larger or additional sites.

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>Final Specifications</u>
Boyne City	5.0 – 8.5	140 – 160 degrees	Material capable of producing plant growth without the need for fertilizers or other additives and contains less than 2% of contaminants.
Charlevoix	same as above		
East Jordan	same as above		
Beaver Island	same as above		

Proposed Programs:

No new composting programs are proposed, this plan advocates the expansion of these programs at the current sites. This expansion will take place through a more aggressive collection program and by opening these site to additional communities.

COORDINATION EFFORTS:

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

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

The Charlevoix Board of Commissioners will coordinate recycling efforts with those communities that currently operate recycling programs to ensure that the new sites blend in with those currently in existence. In addition, the County Board of Commissioners will be responsible for the development of processing and marketing agreements. The County Board will work with the communities in the County as well as the private recycling and/or waste management firms in developing and implementing the selected short and long-term alternative.

Program Descriptions/Estimated Costs/Timeline

These system options assume certain organizational and management variables such as service provider roles, in order to estimate costs. However, long-term capital and operating funding, intergovernmental arrangements and other organizational and management roles must be determined by the County Board of Commissioners after more in-depth research prior to implementation. It must also be noted that many of the costs which are indicated below are not new or additional costs. They are the total estimated costs, many of which are currently being incurred.

Clean Community:

Program Description	Estimated Costs Per Year	Timeline
Solid waste collection services: provided to all households and businesses in the County. Illegal dumping and litter would be policed with enforcement of violations.	Status quo (residents contract with service provider, or township/municipality provides collection)	1998-2008
Spring/fall cleanup days: Municipalities would provide annual clean-up programs with scavenging/trading/reuse encouraged and recycling of as many materials left as possible.	Dependent on individual community programs	1998-2008
Household hazardous waste collection services: Collection arranged four times per year at a temporary site, with services provided by private vendor.	\$14,400, assumes 800 participants @ \$18 per use and hauler assumes site liability	1998-2008
Adopt a "_____" programs would be organized with volunteers and business/service group sponsorship for periodic cleaning of roadsides, streambanks, lakeshores, parks and forests.	Largely based on volunteer efforts and intergovernmental cooperation	1998-2008

Recycling Incentives:

Program Description	Estimated Costs Per Year	Timeline
Promotion and Education: a range of outreach efforts would support all system programs, including recycling, composting, household hazardous waste collection and businesses waste reduction; county-wide mailings (twice per year); radio ads, newspaper ads, presentations and public displays are recommended	\$20-\$40,000 (\$2-\$4 per household per year), with cost escalating as new programs are added	1998-2008
Pay as You Throw (PAYT): residents pay for solid waste collection depending on the volume they put at curb, including option for pay by the bag	Approximately \$1.50 per bag (paid by resident); other rates for cart service	1999-2008

Residential Recycling:

Program Description	Estimated Costs Per Year	Timeline
<p>Expanded Drop-off Sites: existing drop-off sites in East Jordan, Beaver Island, Melrose Twp., Boyne Valley and the Cedar Ridge Landfill would be improved and expanded, and sites added in Charlevoix, Boyne City; acceptable materials and collection methods would be consistent between all sites which would be open to all County residents and small businesses; sites would be open several days per week and would consist of roll-off containers and OCC-only dumpsters</p> <p>Recovery Estimate: 750 tons/year</p>	<p>Servicing: \$100 per pull x 300 pulls per year (two containers per site x 7 sites) = \$30,000/yr</p> <p>Processing: \$35/ton x 750 tons = \$26,250; could be reduced through OCC only dumpster servicing at potentially \$0 cost</p> <p>Capital: \$72,000 (16 30-yd-roll-off containers, includes 2 extras at \$4,500 ea.); site improvements (fencing, signage, additional)</p>	<p>1998-2003</p>
<p>Expanded Drop-off Sites: existing drop-off sites in Beaver Island, Melrose Twp., Boyne Valley, the Cedar Ridge Landfill and East Jordan would become permanent, 24-hour-per-day sites; additional site in the state park and Hays or Bay Twp. ; more materials added</p> <p>Recovery Estimate: 1050 tons/year</p>	<p>Servicing: \$100 per pull x 420 pulls per year = \$42,000/yr (assumes 2.5 tons per pull)</p> <p>Processing: \$35/ton x 1050 tons = \$36,750; could be reduced through OCC only dumpster servicing at potentially \$0 cost</p> <p>Capital: \$18,000 (4 30-yd-roll-off containers at \$4,500 ea.); plus site improvements (fencing, signage)</p>	<p>2003-2008</p>
<p>"Super" Drop-offs (flagship stations): Boyne City and Charlevoix become permanent, flagship sites with some staffing, added materials such as batteries, textiles, construction and demolition (C&D)</p> <p>Recovery Estimate: 525 tons/year; C&D could add an additional 1,000 tons per year</p>	<p>Servicing: \$100 per pull x 525 pulls per year = \$52,500/yr (assumes 2.5 tons per pull)</p> <p>Processing: \$35/ton x 525 tons = \$18,375; could be reduced through OCC only dumpster servicing at potentially \$0 cost</p> <p>Capital: 8 roll-offs @\$4,500 ea.</p> <p>Staffing/cleanup: \$10-\$30,000 per site</p>	<p>2003-2008</p>
<p>Subscription Curbside Recycling: residents in a more urban district would be urged to subscribe for curbside recycling</p> <p>Recovery Estimate: 60 tons per year (assumes 300 households participating)</p>	<p>\$6/hh/month (paid by residents)</p>	<p>1998-2003</p>
<p>Contracted Curbside Recycling: residents in a designated curbside district would receive weekly curbside recycling under a coordinated contract bid</p> <p>Recovery Estimate: 900 tons per year (assumes 4,000 households participating)</p>	<p>\$2.50/hh/month; blended with solid waste bill, water bill or paid by municipality</p>	<p>1998-2003</p>

Yard Waste Recovery:

Program Description	Estimated Costs / Year	Timeline
Yard Waste Drop-off Sites: add yard waste collection bins at three recycling drop-off sites Recovery Estimate: 300 tons/year	Servicing: \$3,000/yr	1998-2008
Backyard Composting: Composting bins and mulching mower blades would be made available at low cost to residents. Education would focus on alternatives to collecting organic wastes. Target 4000 households Recovery Estimate: 200 tons/year	Estimated cost of \$4,000 per year	1998-2008
Fall leaf collection: larger municipalities (Charlevoix, Boyne City, East Jordan, Beaver Island) would continue fall leaf collection; other municipalities including Boyne Falls would be added. Recovery Estimate: 600 tons/year	Servicing: \$30,000/yr; difficult to quantify based on existing municipal equipment (loaders, dump trucks)	1998-2008
Alternative Seasonal Collection System: residents could purchase designated special paper yard waste bags (\$1 to \$2 ea) which would allow contractor or municipal crew to pick up yard debris weekly during the growing season; this option would require development of a low-technology compost site equipped with a front loader to turn piles and break up bags; a screener could be rented once a year to process/prepare finished compost	\$1-\$2/bag to cover collection costs	

Commercial Recycling:

Program Description	Estimated Costs / Year	Timeline
Commercial Corrugated Routes: existing OCC routes currently provided by the waste hauler would be expanded, largely through education efforts. Individual businesses would contract directly for this service, and assume that they would pay less for OCC pickup than trash pickup. Recovery Estimate: 600 tons/yr	\$25,000, assuming a front or rear-packer services larger businesses in county with one route per week Processing costs included	1998-2003
Expanded Commercial OCC/paper routes: development of a service district, with "bundled" contracted service would lure service provider to bid on coordinated route to service multiple businesses with curbside cart, bins, bags and/or other system Recovery Estimate: 2000 tons/year	\$90,000 includes three routes per week; expanded education; includes amortization of containers/bins/bags Processing costs included	2003-2008

Solid Waste Transfer:

Program Description	Estimated Costs / Year	Timeline
Existing waste transfer facilities (Top Rank, East Jordan, Melrose Twp., Boyne Valley, Beaver Island):	not available	1998-2008
Added solid waste drop-offs	Variable	1998-2008
Future waste transfer capabilities as needed		

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:

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. Builds upon existing solid waste system currently in place.
2. Solid waste services including recycling will be available to all county residents.
3. Household hazardous wastes will be diverted from area landfills.
4. Illegal dumping would be minimized through aggressive enforcement of littering laws.
5. Rapid clean up of illegal dumping to reduce the potential for creation of numerous small dumps.
6. Generators of waste pay for what they generate providing an incentive to reduce the quantities generated.
7. Subscription curbside collection of recyclables would be available in later years of plan.
8. Enhanced opportunities for composts of yard waste by non-city residents.
9. Development of a material recovery facility during the later years of this plan as waste quantities continue to increase.
10. Additional transfer stations being created which will allow for greater opportunities to use competitors disposal facilities to keep rates affordable.
11. Over time a stabilization or reduction in waste collection and disposal costs.
12. With increase usage of transfer stations, ability will exist to divert and recycle construction and demolition materials.

SADVANTAGES:

1. Total costs of collection transportation and recycling or disposal of created wastes will increase over time.
2. No in county material recovery facility for short term.
3. Landfills will predominate as the primary method of final disposal for most wastes generated.
4. Some household hazardous wastes will continue to be disposed of in landfills.

APPENDIX B NON-SELECTED SYSTEMS

Before selecting the solid waste management system contained in 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.

Charlevoix County evaluated waste management components on a continuum, from a base service level to very aggressive recovery-that was defined by the following level of recovery and complexity of programs:

- A: Basic Waste Collection and Disposal Program
- B: Level 1 Basic Clean Community and Drop-Off Recycling Program
- C: Level 2 Expanded Clean Community and Drop-Off Recycling Program
- D: Level 3 Expanded Clean Community and Curbside Recycling Program
- E: Level 4 Expanded Clean Community and Comprehensive Recycling Program
- F: Level 5 Advanced Recovery Systems

Each major level included a relative service level in the following programs:

I. **Clean Community Programs**

Residential & Commercial Solid Waste Collection at Curb

Spring /Fall Cleanup Days

Illegal Dumping Enforcement

Adopt a "_____" program

Household Hazardous Waste Program

Agricultural and Small Quantity Hazardous Waste Programs

II. **Recycling Incentive Programs**

Education

Promotion

Pay as You Throw (PAYT)

Recycle More

Material Bans

III- Drop-off Residential Recycling Programs

Mobile Drop-offs - for Sorted Recyclables

Mobile Drop-offs - for Commingled Recyclables

Permanent Drop-offs for Sorted Recyclables

Permanent Drop-offs for Commingled Recyclables

IV: Curbside Residential Recycling Programs

Curbside Recycling - Sorted

Curbside Recycling - Commingled

Co-collection of Separated Recyclables and Solid Waste

Two or Three Stream "Wet/Dry" Collection

Co-collection of "Blue Bag" Recyclables and Solid Waste

V: Residential Yard Waste Composting Programs

Back Yard Composting Bin Distribution Programs

Mulching Mower Programs

Yard Waste Drop-off Stations

Curbside Yard Waste Collection

Fall Leaf Collection

VI. Commercial Recycling Programs

Waste Assessment Services

Drop-off Recycling Services - Sorted

Drop-off Recycling Services - Commingled

Commercial Recycling Collection - Sorted

Commercial Recycling Collection - Commingled

VII- Material Transfer and Processing Programs

Solid Waste Drop-off Sites

Solid Waste Drop-off and Recycling

Solid Waste Transfer Stations

Solid Waste Transfer Stations w/Recycling Drop-off and Processing Capabilities

Stand-Alone Recycling Processing Facilities

Construction & Demolition Debris Processing Facility

Mixed Waste Recycling and Compost Processing Facility

VIII: Disposal Programs

Large Solid Waste Landfills in Region

Smaller Solid Waste Landfills Serving Counties

Transfer of Waste Out of Region

Municipal Solid Waste Incineration

In an evaluation of Charlevoix County and its current methods of handling solid wastes, it was found that the county is operating in the range of a modified B program with the desire to move into a modification of the C program during the course of this planning period.

SYSTEM COMPONENTS-

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

COLLECTION PROCESSES:

Mobile Drop-offs - for Sorted Recyclables: The current programs in effect in the county are fixed location drop-off sites. Investigation into mobile drop-off locations in other counties established the benefits of fixed locations.

Co-collection of Separated Recyclables and Solid Waste

Two or Three Stream 'Wet/Dry' Collection

Co-collection of "Blue Bag" Recyclables and Solid Waste

The three above programs require extensive capital current use of landfills and the perception that the recycled material is being landfilled.

PROCESSING-

Stand-Alone Recycling Processing Facilities (investment without providing significant advantages over the Selected System programs. They will also require that all waste be directed onto a tipping and sorting surface which is impractical given the MRF). Sufficient quantities of waste do not exist during the short term portion of this plan to make this option cost effective. During the long-term portion of this plan, it is anticipated that sufficient quantities of recyclable material will be available to justify the establishment of a mini material recovery facility.

Mixed Waste Recycling and Compost Processing Facility: This program requires extensive capital investment without providing significant advantages over the Selected System programs.

DISPOSAL AREAS:

Smaller Solid Waste Landfills Serving Counties: Charlevoix County currently has a Type II landfill. Sufficient capacity exists at other facilities in Northern Michigan at such time as this facility reaches capacity. Additional transfer stations will be constructed throughout the county to allow the use of a multitude of landfills to provide for competition in the disposal of wastes. Should a lack of competition problem arise, this plan contains provisions to allow Charlevoix County to construct and operate a landfill.

Municipal Solid Waste Incineration: Adequate landfill capacity is available. Incineration provides no obvious advantages at significant capital risk.

In selecting a waste management system, Charlevoix County separated the system management and financial considerations from the cost/benefit evaluation of individual programs. Once it was decided that Charlevoix County would target a particular level of waste diversion, that disposal needs could be met, and programs could cost effectively meet the selected goals, an attitude survey was undertaken to determine the desire of residents to recycle as well as how much they are willing to pay and what method will be used to generate those funds. The Charlevoix County Board of Commissioners will be requested to appoint a committee to deal in greater depth and detail with implementing a recycling program.

Charlevoix County will use a combination of the following funding methods to implement this plan:

- User fees
- PA 138
- Voted Millage
- General Fund revenues

INSTITUTIONAL ARRANGEMENTS:

Charlevoix County will continue to examine through the recycling committee the best means of administering a countywide recycling program.

Should the need exist for a county owned landfill, a Department of Public Works will be established to develop and operate this facility.

Those programs that are currently run by municipalities and the private sector will continue to operate in that fashion.

While the Selected System does not specifically provide for other institutional arrangements, it does not prohibit future changes in the institutional arrangements. Examples of arrangements that have been considered but not specifically included are:

- Recyclables processing contracts with neighboring counties
 - Shared C&D processing facilities between counties
 - Public/private ventures
 - County/Municipality operated compost site

CAPITAL, OPERATIONAL, AND MAINTENANCE COSTS:

Millages PA 138 and special assessments are considered a viable option as one method of financing future programs.

EVALUATION SUMMARY OF NON-SELECTED SYSTEM:

The non-selected system was evaluated to determine its potential of impacting human health, economics, environmental, transportation, siting and energy resources of the County. In addition, it was reviewed for technical feasibility, and whether it would have public support. The evaluation process is described above.

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 the nonselected system.

Since the Selected System is a combination of the systems evaluated, the Non-Selected system can only be discussed in general terms as the components not selected. Much of this is described on the preceding pages. Charlevoix County has selected components addressing all of the considered program areas.

ADVANTAGES:

1. Some of the rejected programs would have offered the collection and processing of more material types:
 - Mixed Waste Recycling and Compost Processing Facility
 - Two or Three Stream "Wet/Dry" Collection
2. Others would have offered residents more convenient collection:
 - Co-collection of Separated Recyclables and Solid Waste
 - Co-collection of "Blue Bag" Recyclables and Solid Waste
 - Two or Three Stream "Wet/Dry" Collection
3. Others would have freed the County from dependence on out of county landfills:
 - Smaller Solid Waste Landfills Serving Counties
 - Municipal Solid Waste Incineration

DISADVANTAGES:

1. - High cost
 - Mixed Waste Recycling and Compost Processing Facility
 - Two or Three Stream "Wet/Dry" Collection
 - Co-collection of Separated Recyclables and Solid Waste
 - Co-collection of "Blue Bag" Recyclables and Solid Waste
 - Smaller Solid Waste Landfills Serving Counties
 - Municipal Solid Waste Incineration
2. - Not good match to seasonal nature of population:
 - Mixed Waste Recycling and Compost Processing Facility
 - Two or Three Stream "Wet/Dry" Collection
3. Not perceived as acceptable options to public
 - Smaller Solid Waste Landfills Serving Counties
 - Municipal Solid Waste Incineration

Editor

Please publish the attached public hearing notice in your paper which is published on the following dates:

Petoskey News Review	February 11th and March 6th
Charlevoix Courier	February 16th and March 8th
The Citizen	February 16th and March 8th

Please send the bill to the Charlevoix County Planning Department, 301 State Street, Charlevoix, Michigan, 49720. If you have any questions, call Larry Sullivan, Planning Director at 547-7234.

Public Hearing Notice

A public hearing will be held to accept comments from the public regarding the Charlevoix County Draft "Solid Waste Management Plan", a component of the Charlevoix County Comprehensive Plan, on March 13, 2000. This hearing will be held at 7:30 p.m. in the Pine Lake Room of the Charlevoix County Building, 301 State Street, Charlevoix, Michigan, 49720. Written and oral comments will be accepted at this hearing. Written comments will continue to be accepted at the Charlevoix County Planning Department Offices located at 301 State Street, Charlevoix, Michigan, 49720 until noon on Monday, March 20th. Copies of the Draft Solid Waste Management Plan have been provided to each library in the county as well as having been sent to each chief elected official for each township, city and incorporated village within the County. Copies may also be inspected or purchased at the Planning Department at the address listed above.



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

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RUSSELL J. HARDING, Director

REPLY TO:

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909-7741

May 3, 2000

Mr. Larry Sullivan
Planning Director
Charlevoix County Planning Department
301 State Street
Charlevoix, Michigan 49720

Dear Mr. Sullivan:

I am writing in response to your letter of April 20, 2000, in which you asked what annual quantities of solid waste Presque Isle would accept from Charlevoix County over the next ten years as well as any conditions governing the movement of that solid waste as outlined in the Presque Isle Solid Waste Management Plan Update (Plan) that the Department of Environmental Quality (DEQ) is currently preparing.

While I cannot provide any specific assurances as to which counties will be authorized to import solid waste in Presque Isle County until the DEQ completes preparations of the Presque Isle Plan, we expect to provide import authorizations for a sufficient number of Northern Michigan counties to ensure a reasonable service area for the Elk Run Landfill. With that proviso in mind, we anticipate that Presque Isle would accept 100 percent of Charlevoix County's annual solid waste disposal needs without any conditions. We will keep your request in mind as we move ahead to develop the Plan. In order to make sure that Charlevoix County waste can go to Presque Isle County for disposal in the event the final Presque Isle Plan authorizes such imports under the terms mentioned above, I suggest that you include authorization in Charlevoix County's Plan for export of its' solid waste to Presque Isle County.

If you have any questions regarding this matter, please contact me at the telephone number below, or by e-mail, at ldziaks@state.mi.us.

Sincerely,

A handwritten signature in black ink that reads "Stan Idziak".

Stan Idziak
Solid Waste Management Unit
Waste Management Division
517-373-4740

cc: Presque Isle County Solid Waste Management File
Charlevoix County Solid Waste Management File



36850 Van Born Rd
P.O. Box 68
Wayne, MI 48184
734-641-3555
734-729-8890 Fax

April 28, 2000

Mr. Larry Sullivan, Planning Director
Charlevoix County Planning Department
County Building
301 State Street
Charlevoix, Michigan 49720

RE: Assurance of Landfill Capacity

Dear Mr. Sullivan,

Republic Services of Michigan hereby acknowledges receipt of your letter dated April 20, 2000, wherein the County requests capacity assurance to meet the needs of the County's updated solid waste plan for the next ten years.

Republic will commit and accept up to 100 percent of the daily and annual volume generated within Charlevoix County at either of the two following facilities: the Whitefeather Landfill, located in Bay County and/or the Elk Run Landfill, located in Presque Isle County. We will commit this capacity for the ten-year planning period commencing upon the date of approval of the updated plan by the MDEQ.

Republic looks forward to assisting the county in planning for its long-term disposal needs. Please feel free to contact us if there is any other means in which we can provide assistance.

Respectfully,


Stephanie Glysson
Director of Governmental Affairs

Cc: Matt Neely, Republic Waste

that his whole business has grown from playing off the greed of the four big companies and he has been with Waste Management and in the garbage business, that is the same. Anyone can buy five trucks but if you can't negotiate a good contract with them, you are out of business. Waste Management charges themselves less than they charge others and justify it by saying they are a high volume business. Emmet County pays less than other counties in this County pays, with the same excuse.

that he and Hass couldn't haul to counties that do not have reciprocal agreements with Emmet County.

stated that if one company owns all of the landfills in the area, they may not allow us to have other options, they can decide we have to all use Cedar Ridge. From a planning perspective we can make all the decisions we want, but the Waste Companies will be making the decisions to close the landfills they want to.

stated he has spoken with the State of the proposed merger. We have long recognized the market approach with competition. One option the Committee might want to consider is the possibility of establishing a single county or multi-county owned landfill. It is an option that would be to have a landfill owned and operated by a county or counties. This is the case in Montcalm County. Mountmorency-Oscoda has a joint county owned landfill. If you look at the map of the area, you can see the ownership of the landfills in our area. There is a concern that the landfill located in Manistee might be re-acquired by USA Waste.

Waste by rail was mentioned as a possibility. Richardson stated you have to be careful with it in two ways.

Richardson mentioned that about four months ago a gentleman from the Elk Run Landfill put a resolution for the County Board. He had stated the only way you can be protected with waste is to have a county owned facility. A single or multi-county landfill might be an option to consider in the Solid Waste Plan.

Richardson mentioned that perhaps the County should look at county run solid waste collection or franchising of solid waste collection.

Richardson stated that the problem with that is the possibility that if you have only one company in the waste business, you run the risk of them cutting off non-profitable routes.

Richardson took place on the fact that haulers can be competitive, but with only one landfill you can't do business if the rates get too high. It was stated that there is an extreme amount of power in having control of all of the landfills, this power is underestimated by the public and our government officials. They can do a lot of things when they have all the cards in their hands, and not all of them are good. By the time people realize it, it will be too late.

Richardson mentioned that at multi-county landfills, counties could come up with an agreement that if USA Waste gets out of control, we would go out on our own.

Richardson stated that regulations have a cost, but we have benefited from some of the regulations, such as closing the open dumps. There have been some media concern about Medusa, and the concern is that they are not moving fast enough.

Sullivan stated we would not be able to determine how this will affect us tonight, but suggested that the members contact their US Representative and let them know that there are concerns that should be addressed in the anti-trust issue.

Sullivan will get a copy of his letter out to the members so that they can also contact their elected officials.

Sullivan introduced staff from RRSI, Jim Frey, Cathy Semer, and Kerry Sandford, and gave a rundown of the things they will be working on for the next couple of weeks.

- 2) Review of List of Solid Waste Management Program Alternatives, "Solid Waste System Options", and "Selected Solid Waste Management System".

RRSI representatives discussed their tasks in this contract.

Discussion was held on how the amounts are given, such as pounds, yards, etc., and that it is confusing. Compaction affects the weight, yards, etc. It was stated that time is spent weighing trucks, sorting through trash to find out what the density, etc. is. The RRSI representatives said they would be calculating cubic yards of waste.

Sullivan suggested they discuss the options for alternatives. For example residential curbside recyclables was thrown out last meeting, as not being feasible. He mentioned page 2 has options, and suggested as you go from option a to f, the level of sophistication increases, the level of effectiveness can improve, and the dollar cost probably rises.

Ferguson said page 4 maybe, page 5, better yet, 6 is good and page 7 really nice, but probably too expensive for us. She felt the first page should be eliminated because the standards are too low.

She stated that she was looking at advantages and disadvantages and the cost impact, as to what is doable.

Hass stated he has a question on the cost impact. He said what threw him was that granted the cost went up, but was confused as to the savings under F.

RRSI stated the savings are from the diversion. You need to look at the other key figure, the second bullet, at the diversion percentage. It means that when you move your system over to primarily to recovery, you have more diversion.

Ferguson stated she had stayed with the ones that had a 1-3 year date. Sullivan stated you could time the levels, as you progress with the program.

- It was stated that we are just looking at a range now and do not have to give a certain level, but can combine some of them.

Hass stated he did not see E and F as being realistic.

RRSI stated these costs are just estimates, and the costs we will come up with will be based on your own particular assessments. The next level of analysis will deal with the season issue.

rdson stated that some of the disadvantages is that he got a little lost when he stated there is g for the seasonal people. He asked if that happens in some area, because here in the summer people put their bags at the street, as do year around residents. at A. B. and C; the summer people have the same service as they are getting right

stated this is a generic description for all counties, but this Committee needs to give us the option for what is occurring in Charlevoix County.

an stated that Charlevoix County has curbside garbage collection throughout the County.

rdson stated he is concerned with the construction and demolition waste, because now it into the landfill.

l stated Emmet is interested in doing something with this type of waste, and there might be options that might open up as a result of the whole regional work. He stated wood waste be ground up, etc., and presents some diversionary options.

ardson stated that if they get a grant in Emmet County, it would be used only for Emmet nty.

l asked if there is a reciprocal agreement with Emmet County.

ivan stated we have an agreement to let them bring waste into the county. As opposed to r verse County being paid 50 cents per yard for waste taken out of the County, Eveline nship is paid 10 cents a yard for accepting it. In terms of waste, limited amounts of waste n Charlevoix County is sent through the Transfer Station in Emmet. He felt it would present roblem if we sent great quantities of waste.

was asked if we could not encourage Emmet to take more of our recyclables.

llivan stated that what happens is there is a widespread conception that you make money on cyclables. What they do to assist in the cost is they have a surcharge on all waste that goes ough the transfer station to help cover the cost of recycling.

ichardson stated that if we send recyclables to Emmet, we would have to pay for it in someway.

ullivan stated that some of the cost at the Transfer Station would go toward their recycling rogram.

Discussion took place on the vertical columns in the research material and how it should be ooked at, and how to fine-tune them.

RSI stated they understood that.

It was stated that since Emmet County charges a surcharge for waste going through the landfill, w n't Charlevoix County charge a surcharge for Emmet waste going into the landfill, to assist us in our recycling program.

It was stated that Charlevoix County has never considered the landfill an asset.

In the systems options, Hass stated that he felt we were already at A, or maybe beyond it. He suggested B and C would be used for the five-year plan and D for a long-term plan, and did not know if we were ready for E and F.

Discussion took place on the different options and how they differ, and how they would affect our County in the next 20 years. The consultants will give options and the cost for each option. They said the Committee would have to choose the options they feel they want and then determine if there is a way to fund it.

Hass mentioned that Emmet County has a war fund set up, so that they have funds saved up for a rainy day, and Charlevoix County has not done anything. He mentioned Option D contains a transfer station, and maybe we are not ready for it, but we should consider putting away money to fund some of these things in the future.

Richardson stated that in the host agreement Waste Management offered Charlevoix County 25 cents a yard for out of county waste that they are already paying Grand Traverse 50 cents for, and perhaps we should get \$5.00.

Discussion was held on the need to monitor a landfill after closure for thirty years, and whether after that 30 years it would be up to the County to monitor it. If so, the County needs to be putting money away for it now.

Sullivan stated a quarter a yard for out of county waste is nothing. It might be a situation that you look at a surcharge that every yard of waste coming in, no matter where it comes from, to put money away for the future. There is some management options to be discussed at the next few meetings.

Richardson suggested that we not give them the 12 acres right up, but saying that we would give them 12 if they put a transfer station on the front, and after the 12 acres is full, they will operate a transfer station. He stated that at some point, this landfill has to quit, and cannot keep expanding.

Discussion was held as to whether or not Waste Management has to sign a host agreement with us at all, the way the law is written now. In the current legislation we can't, but companies are well accustomed to signing these agreements and paying surcharges, but you have to ask for them. It was mentioned that discussion took place at an Eveline Township Meeting where Waste Management was offering all kinds of things, such as higher surcharges, etc., and that the company would sign the agreement if Eveline Township and the County would allow an expansion for a certain amount of acreage. Pizzurro stated they would sign an agreement that when that part was full, they would cap the landfill.

Don Pizzurro stated that once the County gave them the expansion, the company would not have to play that chip. Everything is up for debate, but they have to be agreed on prior to approval of the expansion.

Richardson stated that the problem is that people have only heard what Waste Management has to say, not what other people in the waste industry think, and to know what goes on in the waste business and what is possible.

It was stated that in the plan you need to allow for surcharges, etc.

Malpass stated that if recycling is done, the company would have to fill the capacity at the landfill, and meet their necessary level of operation, to offset the cost. He stated that capacity at the landfill will not be affected by recycling, because if material is recycled, they will get material from other areas to fill that void.

Sullivan stated that from a large geographic area, recycling could save the need for an additional landfill, but not on a specific landfill, because they will accept the amount they need to make the profit they feel they have to have.

Richardson stated that some times it is easier to add the surcharge on waste than to get residents to pay for recycling. Sullivan stated that he had approached the residents a year ago to let them know that recycling is available, but there is a charge. However, many residents don't want to pay for it.

The only way to get people to cut back on the waste they create, is to make it cheaper to recycle than to put it into landfills.

RRSI stated what they are establishing for the seven counties is the base diversion, base generation and the base disposal in tons, etc., and will then evaluate alternatives and determine their impact on our current practices and the change in cost that will be experienced. They will get back with those figures.

The costs given will be capital costs amortized when the figures are stated.

B, C, and D were the chosen options from the Solid Waste System Options paper, for further study and consideration.

3) Review Regional Analysis of Import/Export Trends (from RRSI).

Staff stated we have not got anything specific methods of authorizing at this time, but suggests that the Plan list counties, and the County Board developing intercounty agreements with these counties. The last time around, there were discussions of cost in terms of waste rate to have a one county landfill, and the Committee decided to let waste come in from Emmet and Antrim, again with the understanding that in the future one of those counties would open up a landfill in their county.

One member indicated he remembered during the last plan development, someone from Emmet stating Emmet County would never have a landfill.

It was stated that because we expected Emmet County to provide a landfill, it should have been in the plan. We need methods of authorizing the import of trash. In the last plan, the method was intercounty agreements.

We might not want the same conditions as we had in the last plan for Emmet County, but if we let you bring your waste in, then we want certain things in return. Those are things we can negotiate, prior to signing the agreements.

Richardson stated that if we cut Emmet off right now, Emmet could haul to Presque Isle, if they had to. Presque Isle can have agreements for what they want before letting it in.

Manistee was a contingency in case we needed it short term, and they could haul here for short term.

It was stated that if Emmet County gets out of having a landfill, they should be real happy to help us out with our recycling. It was stated that they received funding under the auspices that it was going to be a regional facility.

Ferguson asked who would do the negotiating with Emmet for help with the recycling in return for bringing their waste here. She stated it makes a difference in who is doing the talking.

A question was asked what would Emmet do if this County cut them off. The answer was they could go elsewhere.

It was stated that we are doing them a great favor by taking their waste, and if we play hardball with them, and they decide to go elsewhere, we don't care.

Emmet is responsible for a great amount of the waste coming in to Charlevoix, and the landfill would have to take waste from somewhere else, and they will.

RRSI stated they are in a position to talk with Emmet and to see what they want. He stated it is of value to them to bring waste in, and maybe there is something we want from them.

Reciprocal agreements have to be in both of the plans, and have to be enforced, or it is worthless.

RRSI is suggesting that the County look at authorizing more counties in the next plan without any reciprocity. It was felt this would give our county more choices.

Richardson stated that when you have one company owning all the landfills, they could close whichever facility they want to. The county will have no control.

- b) Landfill siting of the proposed expansion was discussed previously and will be addressed by the Planning Commission. Siting criteria for this plan will be reviewed, if we need it, based upon how we fare in our landfill capacity certification.
- c) Annual landfill capacity certification – We do have the capability of not putting in siting criteria if we can demonstrate 10 years of capacity. RRSI has found a landfill life expectancy is this ten county area west of I-75 and a line drawn across from Manistee, Cadillac and Lake City north is approximately 49 years of capacity.

If we look at the facilities in the northeast part of the state, we are up to 52 years of capacity, based on current rates. If solid waste generation increases for the ten counties we are looking at a 40-year capacity, and looking at the northeast portion as well, we are looking at a 42-year capacity.

Sullivan stated that the Solid Waste Plan could allow an expansion, but from a corporate (USA/Waste Management) standpoint, they could say they are closing down the landfill. As long as the capacity is still there, the plan is still good.

Sullivan stated that in the last Plan Emmet stated they would run our waste through their transfer station as long as our County had a reciprocal agreement with the county it was going to. It was

's opinion that we would take care of theirs provided they take care of ours, in negotiating an agreement on our behalf with where ever they are going to take theirs. Emmet County refused.

ed the material on landfill certification was given us to demonstrate for the ten-year annual certification is required.

ivan stated that he contends that we have 66 months of capacity left. He stated that from a perspective, if you were going to demonstrate capacity or indicate disposal capacity in the county, we would want it to be ten years or more. If we are not going to put siting criteria in the plan, we have to demonstrate that we have at least ten years of capacity. Or, in lieu of that we could provide for the siting criteria within the plan. Again, that capacity could be inside the county or outside.

was stated that if we have a reciprocal agreement with Glen's in Leelanau County, they have an estimated life of 126 years. This plan is requiring that the amount of waste proposed to go to a county be listed. The county may have to list several counties in order to insure the number of years of capacity they need.

A question was asked if we have capacity in Charlevoix County for 15 years, and we have a reciprocal agreement with another county, and something happens with their landfill, does our capacity have to be large enough for both counties. The answer was yes, but conditions can be put on it, such as time limit, etc.

llivan asked if the State has a number for capacity in the state.

stated they do not do that analysis, and even if they did, it would be meaningless because waste comes from Indiana, Iowa or Wisconsin.

Enforcement of solid waste plan is continued to the next meeting.

DJOURNMENT.

Moved by Malpass, seconded by Hass, to adjourn at 9:48 p.m. Motion carried.

Charlevoix County Planning Commission

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE
APRIL 27, 1998

MINUTES

Call to Order.

Meeting was called to order by Chairperson Johnson, at 7:00 p.m.

Roll Call.

Members present: Ferguson, Kurtz, Malpass, Smith, Patrick, Frykberg, Richardson, Lindberg, Skrzeczkoski, Strahl, Johnson, Rankl, Pizzurro, and Hass.

Also present: Jason, Wieland, Walker, and Sullivan.

Approval of Minutes – There were some mistakes noted on the March 23, 1998 minutes. Staff agreed they had not received the time and review they needed. A motion was made by Richardson, supported by Ferguson, that the minutes be returned to staff for review and changes, to resolve errors. Motion carried.

Public Comment:

Bob Walker stated he has concerns regarding three committee members having received copies of a property protection agreement, and that by receiving that agreement, they have a conflict of interest and should be replaced on the Committee by members of Watch, Inc. If they are not replaced, they should sign a binding affidavit that states they have not, nor will they sign a property value protection agreement in the future.

Sullivan indicated the three members have stated they have not signed an agreement, and therefore, have no conflict of interest. This would be an appropriate issue for the County Board, and if the County Board wishes to pursue the matter, they are free to do so.

Discussion took place regarding the direction of flow of water from Waste Management property.

Johnson stated that at some point this Committee should go out and look at the proposed area for expansion, perhaps for a meeting, to clear up some of the questions.

Walker stated there is running water at Brock Road, and goes into Nowland Lake.

Richardson stated that the water that runs across Brock Road goes to Adams Lake. Staff stated that we are not dealing with that issue tonight, but he agreed it would be good to go out and see the landfill, and then come back here for the rest of the meeting.

Old Business

Committee Survey

Sullivan reported on the result of an opinion survey previously handed out. To summarize it, the respondents' feelings are that statewide disposal of solid waste is a bigger concern than disposal for our community. Key concerns about solid waste management are to increase recycling and make recycling convenient. Other key concerns are to avoid being targeted for waste disposal from elsewhere in the state, and out of state as well, and providing for public accountability of privately owned disposal sites.

As to who is most qualified to provide solid waste services, the largest response was for private contractors providing services under hauler licensing/franchise arrangements. (A copy of the survey and response summary is available at the Planning Department.)

Sullivan stated he would not suggest we make decisions based only on these answers.

System Alternatives.

Review of System Alternatives. Staff stated we had seen this before in different forms. These 2 alternatives are a result of the discussion at our last meeting, and is a refinement of options A-F, based on what the committee felt was desirable, and achievable.

Clean Community - The committee discussed the differences between Alternative 1 and 2. The major difference was a permanent drop-off location in Alternative #2 for Household Hazardous Waste. With the three cities in the county, it was the consensus that a fixed facility would not be necessary, and that it would be better to have a household hazardous waste collection day in each city once a year for convenience of the county residents.

Recycling Incentives. - The major difference between the alternatives is the potential for banning disposal of certain materials under Alternative #2. The consensus of the committee was that a landfill ban on a county basis would not be effective, or practical. Better to seek a statewide ban on certain materials in the policy statements. Problem arises when no market exists for the materials.

Drop-off Recycling - Committee agrees that the more convenient the drop-off facilities are, the more they would be used. Alternative 1 provides for additional drop-off sites. An agreement would have to be worked out at least short term with an entity having processing facilities, as Charlevoix County would not generate the volumes early on to warrant a full scale processing facility. No conclusions were arrived at regarding what should be recycled. Necessary to have volunteers at drop-off sites to help educate users.

Curbside Residential Recycling - The committee believes that a curbside collection program for recyclables would be expensive and not as effective as drop-off facilities with convenient

hours, due to the number of people needed to use curbside collection of recyclables to make it effective, and this service would be available only in the "urbanized" areas. Consensus is that it would be better to have a drop-off program that is open in every major community on a daily basis.

Residential Yard Waste Composting.

The committee believes that yard waste is being handled well in each of the cities. This was a result of having city staffs that could be assigned the task of collecting and/or operating a compost site. The cities have the equipment to turn the compost piles periodically and they lease Trommel Screen equipment from Traverse City once a year to screen the compost. The three cities contract with Traverse City for the same time to reduce the number of trips, and thus reduce the costs. None of the cities produce more compost than they can use in their public parks and facilities at this time.

The problem with yard waste is the lack of methods to take care of it in the townships. It would be better to have three sites in the county, rather than eight or ten from a management and cost effectiveness standpoint. The committee agreed it would be best to have the material flow to city sites, or be composted at the individual point of generation.

There is a cost to operating compost sites, the question of who pays is either the county assumes the cost of funding a portion of the costs of operating these sites, or each city charges the townships to allow township residents to use the city sites.

Commercial Recycling.

Small volume generators of corrugated cardboard can take the material to either Cedar Ridge Landfill, or Emmet County Transfer Station. Waste Management puts out dumpsters for large volume generators. The major stores bale theirs and back ship it. If recycling drop-offs were located in Boyne City and Charlevoix, businesses could use these drop-off locations. East Jordan already has recycling drop-off available at their transfer station.

Material Transfer and Processing.

At the present time, it would be more effective to use processing facilities in other areas of the state, as opposed to constructing one in Charlevoix County. As the volumes recovered increases, it may be worthwhile to open a material processing facility in this county. If we start out only accepting a limited number of materials at our drop-off sites, it would not be necessary to utilize a facility which can handle commingled fibers.

Waste Disposal

A Type II Landfill currently exists in the county, which has a 2-3 year capacity. The landfill owner has requested an expansion under the siting criteria, which could provide for an additional 10-12 years of life, based upon current volumes. The Planning Commission found that the expansion did not meet the siting criteria. Possible options include the following:

1. Expansion of existing facility.

2. A new facility elsewhere in the county.
3. Use of out of county landfill(s).

The status of Cedar Ridge Landfill could change as a result of the proposed merger between Waste Management and USA Waste.

1. Rates could dramatically increase.
2. The merged company could be forced to sell the landfill.
3. The merged company could close the landfill due to an overabundance of capacity in northern Michigan.

Jamie Hass indicated the current plan allows for transfer stations in the East Jordan-Ironton area, at the landfill and along US-131. Without liberal provisions for transfer stations, his business is in jeopardy if the Cedar Ridge Landfill closes, or if the rates are greatly increased, as his Company does not have the ability to haul long distances, as does Top Rank Disposal, which has a transfer station.

The Committee concluded that liberal provisions should be included in the plan for the siting of transfer stations.

Operation of Recyclable Drop-off Locations.

Pizzurro stated that drop-off sites are operated on a community by community basis.

Frykberg indicated that to get a good program operating, it has to be a countywide program with uniform equipment.

The consensus of the committee is for the county to participate in a countywide recycling program, but leave composting programming up to the townships and cities to work out. Manned recycling drop-offs at grocery stores in each of the three cities with limited hours, was felt to be the best approach. If volunteers manned the sites to provide some education and assistance to drop-off site users, this would give a boost to recycling efforts in the county.

Composting, on the other hand, should be continued by the cities, with the townships being allowed to participate (with township funding in addition to city funding).

New Business.

Waste Generation and Recycling Rates.

Sullivan reviewed the revised rates and would get back with RRSI regarding errors in the material presented.

Landfill Capacity Strategy.

Discussion took place on the waste from Wolverine and Big Rock and how much of that will go to the landfill. This waste could have an impact, but we don't know how much of an impact. The same can be said for the East Jordan Iron Works, if they can find a use for their foundry sands, they would be kept out of the landfill. Malpass stated that they were hoping that Medusa

could use their product that they landfill at the present time, but this has not been worked out as yet.

Hass raised the question as to when we would be tackling the question of whether there is to be an expansion of the Cedar Ridge Landfill.

Discussion took place on timing for the decision on the expansion of the landfill, and what has to be done first. The plan has to be completed whether there is an expansion or not.

Hass stated that if the State approves the expansion, that's it. But if they don't, what is our plan?

Pizzurro stated his belief that the committee should address the expansion issue, rather than wait for a response from the State of Michigan.

Richardson stated that if the new owner decides to close the facility, we still have to have a plan on what to do with our waste.

Hass stated we have to decide if we want a mechanism in our plan to allow for expansion of landfills, or not. He stated he did not want to debate if Cedar Ridge is a good facility or not, but does want us to have a siting mechanism in our plan.

Sullivan stated you have to show in your plan the ability to dispose of your waste somewhere, not necessarily in your county. Sullivan stated that Emmet, Antrim, Kalkaska, Cheboygan, and Otsego Counties all do not have a landfill in their county.

Richardson explained there is a difference between siting criteria and siting mechanism, which He proceeded to read from the Act. "The Solid Waste Management Plan shall include an interim siting mechanism and an annual certification process, as described in the subsections. In calculating your capacity of the identified disposal areas, to determine if the disposal needs are met for the entire required planning period. An interim siting mechanism shall include both the process and a set of minimum siting criteria, which are not subject to interpretation or discretionary acts by the planning entity, which if met will guarantee a finding of consistency with the Plan." Therefore, Richardson stated it has to be in the Plan.

Based on the time, Sullivan suggested carrying the balance of the agenda items over to the next meeting. He asked for volunteers to attend a meeting with the other counties to discuss multi-county solid waste issues.

Dan Skrzeczkoski, Vic Patrick, Ralph Richardson, and Nancy Ferguson volunteered to attend and represent the Solid Waste Committee. Sullivan would notify these individuals of the specific time, and location, with the meeting to be held on May 14, 1998.

Sullivan stated the next solid waste committee meeting would be held on May 26, at 7:00 p.m., in this room.

Sullivan asked Johnson if the Board would be discussing an agreement with Waste Management, or will the Committee be discussing it, or will the Board just accept what was handed to them by Waste Management.

nson indicated that if the state grants the expansion, the County would most likely take whatever money we receive and put it toward recycling, rather than banking it.

on contends the county should bank some for future use in building a transfer station, because recycling will not extend the life of the landfill, as every yard that recycling takes out will have to be made up from somewhere, because the landfill needs the revenue, and can only do that through more waste or higher rates.

Richardson stated that if the DNR approves the landfill expansion, it is automatically the Board's job to negotiate an agreement. If the State turns it down, the landfill expansion and host community agreement should be the job of this committee.

ullivan mentioned that Waste Management is paying Grand Traverse County 50 cents per yard for all waste coming out of their county, and perhaps a fee could be put on all waste being disposed of within Charlevoix County.

ullivan suggested the committee consider 2 meetings per month. Members should be looking at possible dates ahead of time, perhaps the second and fourth Mondays. By the May meeting a decision could be made.

Moved by Ralph Richardson, seconded by Tad Malpass, to adjourn at 9:02 p.m. Motion carried.

CHARLEVOIX COUNTY SOLID WASTE PLANNING COMMITTEE

MAY 26, 1998
MINUTES

Meeting was called to order at 7:00 p.m. Members present: Kurtz, Pizzurro, Richardson, Hass, Smith, Skrzeczkoski, Ferguson, Frykberg, Malpass, Strahl, Patrick, Johnson.

Members absent: Jamie Hass, Paul Lindberg (excused).

Others present: Larry Sullivan, Barney Way, Deb Johnston, Nate Jason.

Approval of Minutes.

Richardson moved to approve the minutes for March meeting, as presented, seconded by Ferguson. Motion carried.

Richardson moved to approve the minutes for the April meeting, as presented, seconded by Frykberg. Motion carried.

Public Comment Unrelated to Agenda Items.

Jerry Puhl, of Watch, Inc., commented regarding his groups concern with the environmental catastrophe that could take place at the landfill at some time in the future. Lake Charlevoix could be at risk and a lot of people have a big investment in the County, as well as interest in fishing, etc. Being about a mile away from Lake Charlevoix creates a big concern for the residents, if it is allowed to expand. It has happened before with chemical spills that get into the ground water, and it can happen again. Recently when he was in Florida he read about a case where in the past year about a plant that was developing lawn fertilizers, and they had a lot of waste to take care of. They asked for a holding pond with plastic liner and dike system around it, and had assured the residents there would be no problem. Recently, with the heavy rains, the dike broke, the acid material got out into the stream, into the river and 500,000 legal fish died off, as well as other aquatic life being harmed. They figure it will take ten years for this river to come back. The owners of that plant had assured the residents that nothing would happen, but it did. Watch feels very strongly that if there is an accident at the landfill, our lake could be harmed in the same way. The County Board and Planning Commission has turned down the expansion, Eveline Township does not want to zone any more land for it. People in the community feel very strongly that it is too close to Lake Charlevoix, and that there is potential harm that could come from it. Watch realizes that landfills are a necessary item, and if that landfill was ten miles away from the lake, we would not be here tonight. The closeness to the lake and potential danger to the lake, Watch hopes and pleads that you do not allow any more

expansion to the landfill, and in fact, put in the plan that there is a closing date when it will be capped and forever covered over.

In response to Mr. Puhl's concerns, it was noted that this issue is now in the hands on the Michigan Department of Environmental Quality

New Business.

Long Term Disposal Options.

A background paper on long term disposal options was provided to committee members, to generate some thinking on this matter. Sullivan indicated that he would prefer to resolve the long-term issues and then deal with the short term issues at a later point in time. For this discussion, long term was defined to be in excess of ten years.

Discussion took place regarding the ability, or inability, to reach agreements with other counties, given the facility in Charlevoix has a limited lifespan. The belief is that it should be no more difficult for us than it would be for a county without any disposal capacity.

The status of landfills in the area was discussed, with the acknowledgement that Elk Run, in Presque Isle County, is operating a limited number of days per week, and City Environmental, in Crawford County, has a court settlement that allows them to accept waste from a 21 county area, of which Charlevoix County is one of the permitted counties.

The Glen's Landfill site in Leelanau County is certainly a possibility, as are the sites in Manistee, Wexford, Montmorency, Charlevoix and Clare Counties.

Sullivan indicated the landfills listed would provide for diversity of ownership, not only private ownership, but also facilities that are publicly owned. These sites are all within "reasonable" distance to haul waste.

Dan Skrzeczkoski made a motion that staff attempt to work out agreements with counties having landfills from Mason County north. Seconded by Ferguson. Motion carried.

Tom Rankl felt the committee needed to address whether or not we need a landfill in Charlevoix County first. If the County does not like the way Waste Management is running the facility, perhaps the County could purchase it through eminent domain. He stated that moving waste long distances is expensive and winter weather can be a problem.

It was acknowledged by the committee, that the only way to force a landfill to stay open would be to develop a long-term contract, and even that could not guarantee a landfill would stay open.

Long Term Management Options.

Recycling.

Recycling Management Options entailed the need for numerous sites within the county, in particular, sites being located in each of the three cities. Options as to each community operating their own site vs a series of county operated sites. The consensus of the committee was that

recycling drop-offs would be more effective if operated with uniform equipment and accepted uniform materials. The volume of materials dropped off would be impacted by the hours per day and days per week each facility is open. It is not necessary at this point in time to determine where the materials should go, only that recycling should be organized and coordinated at the county level.

Composting.

Discussion on composting reflected the committee's belief that this type of activity, especially the composting of yard waste, would be best addressed by the three cities, with townships arranging on an individual basis with a city, or cities, to allow township residents to make use of existing drop off locations in each city.

Household Hazardous Waste Collection (HHWC).

The committee discussed having a HHWC program, and concluded that it would be desirable, and that it should be fashioned after those taking place in Grand Traverse and Emmet Counties. A program of this nature should be organized by the county, with collection days occurring once a year, in each of the three cities, and possible one on Beaver Island periodically. These would function on an appointment basis, with a company such as Drug and Lab, or other similar companies contracted to operate the actual collection, transportation, and disposal of the collected materials.

Education.

Education of the public was felt to be a critical need by some of the committee. Options for educating the public as to types of materials that could be recycled, recycling locations, and hours of operation would be necessary to begin any program, as well as informing the public of the costs of recycling vs landfilling material.

Methods raised as to how to get the educational messages out ranged from including information with tax notices, use of news media, meetings with schools and community groups, to having members of community groups work at each recycling site to ensure that materials are properly sorted.

Funding.

Discussion of funding sources ranged from placing a millage request on the ballot, surcharges on waste disposed of at the landfill, a per household charge for each property in the county having a dwelling on it, to a user pay system.

The feeling of the committee was placing a surcharge on waste disposed of at the landfill would be a viable means of raising funds.

A motion was made by Nancy Ferguson for Charlevoix County to develop a comprehensive countywide recycling program, including an educational component and a county survey with funding from a surcharge on all waste being disposed of in Charlevoix County. Motion was seconded by Dan Skrzeczkoski. Motion Carried.

Solid Waste Enforcement.

The question was raised as to what authority we have to decide enforcement of the Solid Waste Plan.

Sullivan stated the solid waste plan is suppose to include enforcement methods, and asked if there are activities the committee feels are necessary in the area of enforcement. He stated that in terms of what can be done in enforcement, there is enforcement of activities at landfill, enforcing collection areas, as those that are or are not in the plan.

He further stated the landfill company might have a big concern as to where the waste generated in Charlevoix County goes, even though the county may not. In Clare County, a person is paid to sit at the landfill and check to see where the waste is coming from.

Don Pizzurro stated that waste was being shipped out of the county to landfills not listed in the plan, with no enforcement by Charlevoix County, and that is why Waste Management brought waste in from Grand Traverse County.

Sullivan stated bringing the waste in from Grand Traverse occurred prior to the hauler in Charlevoix taking it to other areas.

Richardson stated that MDEQ staff indicated that Charlevoix County has been very remiss in not enforcing the Solid Waste Plan. He had come up to check on a report of violation at the Cedar Ridge Landfill and in a discussion had stated the plan should be enforced. He stated that there is specific enforcement language in the act, which details allowable fines, etc.

The question before the Committee at this time is what types of enforcement do we need, and who is responsible for enforcing it.

The assignment for the next meeting is to think about methods of enforcement, write them down and bring back for next meeting. This will be the first agenda item.

Tom Rankl stated any regulations put in are going to hurt the little guy. The big guys don't get hurt, but the little businessman does.

Other Discussion.

Tom Rankl asked if the County Planning Commission could change their vote on the landfill expansion issue. He stated that the State MDEQ could sit on it until November, the merger comes down in September, and we have already mothballed one landfill. If that happens, we are just wasting our time.

Discussion took place on how this could be done.

Johnson stated that they could not because another meeting has already been held since the meeting at which the vote was taken. He stated it would have to be discussed with Larry.

Discussion took place on agreements that can be negotiated on price for disposal, etc.

Sullivan stated that an agreement could be made with Waste Management and the county that Waste would give \$5 yard for every yard that comes into this facility for a ten year time period. And if both parties agree, it could be set. If the landfill closes, none is coming in.

Don Pizzurro stated that if the County reached an agreement with Waste Management before the merger, the company would have to keep the landfill open, because they would have to take care of the waste for the length of the agreement.

Sullivan stated the group that met on May 14th, will meet again on June 18, here at 1:00 p.m., and prior to the agenda item enforcement, for the next meeting, some of us who attend this meeting will give a report.

Motion by Malpass, supported by Richardson, to adjourn at 9:14 p.m. Motion carried.

CHARLEVOIX SOLID WASTE COMMITTEE

JUNE 22, 1998

MINUTES

Meeting was called to order at 7:00 p.m., by Chairman Johnson. Members present: Rankl, Lindberg, Skrzeczkoski, Ferguson, Kurtz, Patrick, Johnson, Smith, Pizzurro, Strahl, and Hass.

Members absent: Richardson (excused), Frykberg (excused), and Malpass (excused).

Approval of Minutes.

A motion was made to approve the minutes with corrections by Skrzeczkoski, supported by Ferguson. Corrections are as follows:

Page 5 – 1st sentence, add “if both parties agree”.

Page 3 – Motion to fund recycling to read, “Charlevoix County to develop a Comprehensive countywide recycling program, including an education component, with funding mechanism to be determined by an attitude survey.

Motion carried, to approve the minutes, as amended.

Public Comment, Unrelated to Agenda Items.

Howard Neilson spoke on behalf of WATCH, and stated this group opposes the expansion of the landfill. It is felt by this group that this expansion is a threat to the community, and strongly opposes it. The residents depend upon the environment being protected, and their water supply being protected. This group has fought on several issues to protect the County's residents, and urge the Committee to do the same. The group is going to start a voting campaign to get its members to vote, so they can affect issues such as this one.

Multiple County Solid Waste Meeting Report.

Sullivan reported on the second meeting of the group made up of representatives of the waste planning bodies in Emmet, Crawford, Antrim, Montmorency Counties, and regional planning staff member representing the counties east of I-75, which composes Otsego, Cheboygan, Crawford, and Alpena Counties. The meeting had four specific agenda items. C.H. Smith, who had recently purchased a tub grinder, discussed possible uses of it to reduce solid waste. It allows wood material to be ground up, and provided there is no lead in it, it can be used in garden areas. The communities could utilize the tub grinder, to allow for more rapid composting

of their compost material. There is a possibility the grinder could be leased a couple times of year, etc.

Sandy Cunningham, of Montmorency-Oscoda Landfill Authority, gave everyone information on how that landfill is doing. It is in the process of having to construct another cell to handle additional amounts of waste. That landfill is willing to accept waste from anywhere in Michigan, as they need more volume. They may have to put on a quota for how much each county would be allowed to put there, if several counties elect to do so. They stated that if they know how much is going to come in, they can construct the cells to accommodate the needs. They are ready to accept agreements with the county and are set to accept whatever amounts we want to send there.

Pat Merrill, Solid Waste Enforcement Official, from Crawford County, spoke about his activities. Sullivan stated he did not get a feeling for all that Merrill does, but apparently he does check some waste to see from where it is coming from. The City Environmental site does have an agreement that they can accept waste from a 21 county area, and that Crawford County cannot prevent that from taking place. This indicates that Charlevoix County has another county to ship waste to, if needed.

The last item discussed was a chart prepared by Jim Frey, from RRSI, that summarized the first meeting of the multi-county group, and discussed the items of high concern, or high priority to all the counties.

Prudence Kurtz was at the meeting, as was Vic Patrick.

Another meeting of the multi-county group is scheduled for August 27, at 1:30 p.m., and we will be inviting someone from Representative Bodem's office, and from either one or two of the other landfills in northern Michigan, to learn what things look like from their perspective.

Old Business.

The assignment from last meeting was to think about enforcement between that meeting and this one. Sullivan stated that when a community decides to get into enforcement, there are reasons. There are a number of enforcement activities that can be utilized. Enforcement can be directed to litterers and haulers. But also could be taken against a landfill, if the waste is coming from an area not in the Waste Plan. This could be a violation by the hauler as well. There are also some operational aspects of a landfill in terms of some of the permit requirements from the State of Michigan. If the landfill is not complying, enforcement might force the facility to comply.

Sullivan stated that the reason for enforcement is to see that rules are followed, and if not, a punishment such as fines, imprisonment, etc., should take place, to force compliance.

Regarding the issue of where waste is disposed of, a couple of things can happen. In Emmet County, they have a concern that waste from their county goes to another county, without going through their transfer station, as they need this revenue for the operation of the transfer station and also to help in their recycling program. In Leelanau County, they have taken legal action for waste coming into their county from counties not in their solid waste plan.

Sullivan asked if the Committee would like to see the county insuring that waste that is generated in the county is disposed of at facilities listed in the solid waste plan. Or is the Committee's only concern is that waste coming into the county is coming only from those counties listed in Charlevoix County's solid waste plan.

The concern raised with waste leaving Charlevoix County, is that if surcharges are financing the recycling program, and waste leaves the county, and does not support the recycling that would be a problem. One way of addressing this would be to have the haulers collect and pay the surcharge, as opposed to the landfill.

One member stated it is not our job to see that the landfill has enough volume. That is a business issue for the landfill. We should not have to subsidize a landfill to keep it in our county.

Sullivan stated he has looked at several other plans, as to how enforcement is handled. He has not looked at what has happened in St. Clair County, but would like to see how they have addressed their problems. He stated the law did not require a landfill to report where waste is coming from, or haulers to report where the waste is going until recently. This was a problem, and when Emmet attempted to follow trucks, they ran into a great deal of controversy. Sullivan stated he is curious whether the State of Michigan is undertaking vigorous enforcement activities.

It was mentioned that we have no teeth in our enforcement. Sullivan mentioned that in the absence of any enforcement by the county, the DEQ is the enforcement agent. If there is no teeth in the enforcement, then we shouldn't have it. There should be a monetary punishment, as this would at least slow the violator down, if it does not stop it.

Sullivan stated there are prescribed penalties for prescribed violations. A violation of the Plan is a violation of State Law, and we do not have to have an ordinance to enforce it.

Hass stated in regards to enforcement, from the standpoint of a hauler, he thinks a good solid waste plan would be one that does not need enforcement. He stated he wanted his business out of the money process. If the County wants to do social engineering and come up with these projects and plans, then plain old pass a tax. Then you will have a referendum on whether the public is supportive or if not, that tells you the education process needs to be stepped up a bit for the next time you come around for tax support. Hass stated he did not want anybody looking over his shoulder.

Hass stated he did not want to be in the money flow, that would require record keeping, transfer of funds, etc. He stated he will pay whatever the fee is at the landfill. He stated he would rather see the enforcement at the landfill, but is opposed to the way Emmet County is putting it back on the hauling company by extracting money for disposal.

It was pointed out that the hauler passes these increases on to their customers.

Hass agreed, but stated then he becomes the bad guy by charging more to cover the costs. He would prefer not to do that. The resident's only recourse is to create less waste.

Sullivan stated that to prolong the life of landfills, the charges can be so high, that residents will be more careful with their waste, to keep their costs down. If the cost to landfill waste is high enough, people will recycle to lower their cost.

Rankl stated that he can't operate at a competitive price with Waste Management now, because they can subsidize this landfill in another area they are able to run. If you put your regulations in, and then we have to do them, but Waste Management can comply here, as well, but can subsidize this from another area where the rules are not so strict.

The question was asked as how this Committee could protect that competition.

Rankl stated it could be done by having less regulations. He stated that he had been able to build his business by pitting the big guys against each other. Once stricter regulations are put in, the smaller hauler will no longer be able to compete.

If all the landfills are owned by the same company, the ability of independent haulers to compete will be eliminated. The only non-USA/Waste Management owned facilities will be at Montmorency-Oscoda, and Wexford County, which are both publicly owned and operated. The Wexford Facility only takes waste from their county and Missaukee, and will not expand their service area. The landfill in Manistee County is owned by Allied Waste.

The U.S. Justice Department has not taken action on the USA-Waste Management merger yet, and could force the divestiture of some facilities.

Lindberg stated he has always been in favor of a non-profit 501-run trash hauling company.

There was a discussion on how the smaller companies can compete with the larger companies, but the haulers felt that can only be done with less regulation, rather than more. Other members stated that the residents pay the extra charge to the hauler, so the cost is passed on.

It was stated that the system should be a user pay system. If a person is paying for the amount of waste he disposes of, then he will recycle.

It was mentioned that if the cost of a bag of waste disposal is upped a quarter, then the money could go to recycling. It was also stated that the County has the power to enact it, collect the money and use it for recycling or whatever.

It was stated that if recycling was a moneymaker, the haulers would be in the business.

Sullivan stated that if the market is up, recycling does make money. He stated that Emmet County has a way of subsidizing their recycling. They did something that was good for the residents, and the residents like it.

It was reiterated that education is needed, to convince people to pay for it, just as a fire truck which is needed, etc.

Ferguson stated she just returned from Germany, where recycling is taken seriously, and you are fined if you are caught throwing away a pop can. There are containers for different bottles, cans, etc., all over, and they are used.

Sullivan asked if the Committee feels there should be an effort to modify behavior, by those that generate the most waste, should pay more for the recycling effort. He asked if it should be a user pay system.

Hass stated that if something were free, people would take advantage of it. If government funds recycle pickup, the resident will recycle to save money. But, he stated if he were paid to pick them up, he would.

Sullivan stated he felt the enforcement is needed because some people do make sure the loads are covered, etc., but some do not. These are the ones that need to be reminded by enforcement.

Hass stated he did not feel this County needs a full-time person to enforce the plan. He stated the money should be better spent somewhere else.

Sullivan stated he will check with John Ozoga, Jr., as to how the checks of the landfill are made, whether they give advance notice of the visit or not.

Ferguson stated she wanted a grievance process for violations, so that someone can report violations, and expect action on it. Hass agreed that would be good.

Ferguson stated she has spoken with three law type people and they had stated if they are going to enforce it, it will have to be a law, and they want to know what the consequences are. Ferguson said the county prosecutor agreed.

Sullivan stated there are already laws on the book, they can enforce.

Sullivan asked if the Committee felt there is a need for an individual to oversee where the waste is coming from and where it goes.

Ferguson stated she did believe there is a need for this.

Discussion took place on how a county would know how much waste was coming in, or going elsewhere. There is a quarterly report that is put together by Waste Management, and sometimes this report has to be worked on, to get an actual number.

Ferguson stated she would like to see a surcharge at the landfill for waste generated in Charlevoix County, and being hauled elsewhere. She stated she would like to have someone local that she could call if there are violations.

Hass stated he felt that the enforcement ought to come at the end of this process. Then we would know how we want to enforce it, and then decide where the funding will come from.

Ferguson stated she has never seen anything on what the DEQ enforces in the Plan. Sullivan stated it is in Part 115 of Act 451 of 1994, and the Administrative Rules.

Paul Lindberg asked for the last copy of the County's audit report.

The different ways of paying for pickup, such as monthly charge, by the bag, tag, or with carts that wheel out to the curb, was discussed.

Sullivan stated a recycling plan does not have to be a part of this Plan.

Sullivan stated that he has spoken with Leelanau, Manistee, Wexford, Crawford, and Montmorency Counties, and three he has not spoken with are Presque Isle, Clare, and Mason County. Those expressing a willingness to accept waste from us at this time are Leelanau County, Manistee County, and Crawford County.

Leelanau County has stated they are willing to enter into an intercounty agreement with us, and they have provided some language. They do have some conditions that we may or may not feel are agreeable. Manistee is interested, Wexford is definitely not interested, Crawford is willing to accept waste from us, and is forced to by court settlement. Montmorency is willing to accept waste from us. The Leelanau Landfill, Allied facility in Manistee, the facility in Presque Isle, and the facility in Crawford County would take waste from us. It probably would not go to Presque Isle at first, but might periodically. The landfill in Montmorency is willing to accept waste from us, and also the landfill in Clare County.

Hass suggested just go to the closest one to us and see if they are willing, and then get agreements with just the ones we need.

Sullivan stated that we have no way of knowing which ones will be open at any given time.

Leelanau would require Charlevoix County to have a public education program, recycling program, composting program, and household and agricultural hazardous waste program.

It was decided to leave enforcement alone for awhile.

Next meeting we will be resolving the long term disposal options.

Sullivan stated that he has to respond to RRSI on the material he sent to the members, and his major concern is the inclusion of curbside recycling. He stated he did not hear that from this group, so that should be changed. They did come through with a couple more things they would like to offer to the county. They are looking at trying to get several counties to contract with them to develop siting criteria, but Sullivan is not comfortable with that. He felt we could do a better job ourselves. He stated they had siting criteria ready to send to DEQ, and we would be paying RRSI thousands of dollars to go through the process, and cannot see spending the money in that manner.

RRSI indicated a willingness to do research and develop background material to be used for local host agreements with any landfill in the county. Sullivan stated he would recommend saying no to both of these.

Someone asked what the status is on amendments to the law that would add local host agreements to it.

A meeting was scheduled for this morning, in Lansing, but no word was heard on the result of the meeting.

Next month we will finish long term disposal options, out of that we should be able to develop short-term disposal options. Should discuss letters of interest from various companies that want to expand or change their facilities in the County.

The next meetings will be held on July 20, and again on July 27.

Motion made by Vic Patrick, seconded by Ferguson, to adjourn at 9:10 p.m. Motion carried.

**SOLID WASTE COMMITTEE MEETING
JULY 27, 1998
MINUTES**

Call to Order.

Meeting was called to order at 7:00 p.m., by Nancy Ferguson.

Members present: Frykberg, Ferguson, Richardson, Strahl, Patrick, Kurtz, Hass, Malpass, Skrzeczkoski, Smith.

Members absent: Tom Rankl, Paul Lindberg (excused), Don Pizzurro (excused), and Phil Johnson (excused).

Others present: Nate Jason, Larry Sullivan.

Public Comment.

There was no public comment.

Approval of Minutes.

Motion by Dan Skrzeczkoski, seconded by Prudence Kurtz, to approve the minutes with the following corrections:

Page 1 – correct spelling of Skrzeczkoski, under members present.

Page 5 – Middle of page, last line in 7th paragraph, rewrite to read “Ferguson stated the County Prosecutor should be included in this effort.”

Motion carried.

Question was asked of Jamie Hass as to whether he has sold Walloon Lake Refuse Service to USA waste. Hass replied he has not sold to USA Waste.

Discussion of Recycling Survey. It was stated that education will need to take place along with the recycling survey.

Nancy Ferguson stated that Watch would volunteer to compile an attitude survey regarding recycling.

Concerns were raised regarding having Watch involved with such an effort, given their position on the landfill expansion, and recent newspaper ads.

Sullivan stated the Planning Commission would be the preferred party to develop and mail out the

attitude survey. If a survey is to be sent out, it would be desirable to add additional questions that address growth and development issues. Since surveys tend to be costly, it would be desirable to obtain input on a number of topics at the same time.

Some committee members expressed concerns over the timeliness of a survey, and the ability to have it completed prior to the solid waste plan being completed.

Sullivan indicated that it is not necessary to have a detailed recycling plan completed prior to the solid waste management plan being completed.

Old Business.

The materials from RRSI mailed out to members prior to the June 22, 1998 meeting, being the Project Memo and the System Alternatives were discussed. The major concern raised was the volumes of waste and recyclables being listed in tons, as opposed to yards.

Long Term Disposal Options – Export.

Sullivan began the discussion of long term disposal options with a review of the list of counties the solid waste committee directed him to contact.

With the exception of Mason County, which indicated the landfill in that county closed, and Clare County, which did not respond, the remainder of the counties responded either in writing or by phone. Staff also contacted the landfills in each county, a number of whom responded.

SOLID WASTE DISPOSAL EXPORT OPTIONS

<u>County</u>	<u>County Position</u>	<u>Facility Position</u>	<u>Ownership</u>
Clare	No response	Willing to accept	Waste Management
Mason	Facility closed	Facility closed	
Manistee	Emergency use only		Allied
Wexford	Possible emergency use	Possible Emergency Use	County owned
Leelanau	Contingency Use only	Willing to accept	USA Waste
Crawford	Has to allow by Court Order	Same	County owned
Montmorency	Willing to accept, may place volume cap	Same	County owned
Presque Isle	Plan being written by the State	Willing to accept	USA Waste
Charlevoix	Willing to accept	Willing to accept	Waste Management

The site in Crawford County, as a condition of purchase by City Environmental is allowed to accept waste from a large number of counties, of which Charlevoix County is one.

This gives us a good site to send waste to, and it does not appear they will require us to have a contingency reciprocal agreement.

Sullivan stated that Montmorency County is willing to take our waste. They do not want to lose volume that is currently going in to their site. They want all the waste they can get, and would just as soon waste created in their county not leave their county.

Montmorency County would be a second site that would take our waste without us taking theirs.

It was stated that we have things covered, even though we might have to go further to Montmorency County, it might be cheaper because of the competition.

Hass stated that he believes having Charlevoix County as our primary site is a given. Under the long-term options, Charlevoix is primary, and logistically Crawford County appealed to him as the second choice. He stated that Montmorency County is another choice because it is governmentally owned which provides us some protection, and would like to see them supported strongly. It would be nice to know that Charlevoix County has something worked out with another county.

Sullivan mentioned that Crawford County has had ground water problems in the past, prior to having liners, as did some of the other sites.

The site in Crawford County has 52 years of capacity, Montmorency has some limitations, but is building a new cell, and has plenty of real estate.

A question was asked as to what liability we would have if a facility we ship to has problems.

It was stated we would have no more liability than we do here. Sullivan stated the facilities, which have had problems and have corrected them, are in a better position than one who has not had a problem, but might, because we know what they were required to do to correct the problems. Sullivan stated he has not heard of any company or governmental entity that has been forced to pay to clean up a site. The money to fix the problems has come out of operating costs of the facilities.

Ferguson asked if she is the only one that wonders about Presque Isle, because she has read there are problems over there, and that residents of Presque Isle County have asked are we certain we want to send waste there, because then we would be part of the cleanup, in case of a problem.

It was stated that Crawford provides for contaminated soils, but Montmorency does not, which is a reason to include both of them in the plan. It is also not necessary to establish a ranking or priority of sites, but rather list which ones can be used.

Moved by Ralph Richardson, seconded by Jamie Hass, to include the counties of Crawford, Montmorency, Presque Isle, and Charlevoix County for primary disposal. Motion carried.

Sullivan stated we should also list facilities for emergency or contingency export purposes. Manistee would be asking for reciprocal agreement for contingency or emergency. He stated historically there are some counties that you get along with, and Manistee is one of those. Their facility is owned by Allied and that would give us another door, so staff felt it should be included for emergency or contingency purposes.

Moved by Randy Frykberg, seconded by Prudence Kurtz, to include Manistee, Leelanau, and Wexford Counties, for emergency or contingency for export purposes only. Motion carried.

Discussion as to how the primary facilities were chosen, it was mentioned that this would still leave competition for local haulers, which was a concern of Tom Rankl's.

Sullivan stated the only Type III Landfill he knows of is Knutson's in Grand Traverse County, which is being closed shortly. He felt we did not need contingency agreements for Type III Landfills in other counties.

Following a discussion on the need for these types of landfills, there was a consensus that the plan should allow for three.

Moved by Randy Frykberg, seconded by Dan Skrzeczkoski to allow for three Type III Landfills, one for exclusive use by Medusa Cement Company, and one for the exclusive use by East Jordan Iron Works, and one that would be open to accept Type III waste from the general public, that is generated in Charlevoix County. Motion carried.

Long Term Import for Reciprocal.

Motion by Hass, supported by Frykberg, to allow long term import contingency disposal in Charlevoix County for Manistee, Wexford, and Leelanau Counties for the purpose of reciprocity only. Motion carried.

Ferguson asked if we are listed in someone's plan for contingency, would we be liable if we no longer have a landfill at that time.

It was stated that if you don't have a landfill at the time of need, then it is cancelled out.

Discussion took place on the fact that these counties are requiring certain things, and we need to have those same requirements for those counties. It was stated we do not want to be more lenient than the other counties are with us.

Sullivan stated that Leelanau County says their agreement is valid until the next revision of the Leelanau County Solid Waste Plan, but either county may give 180 days written notice to terminate the agreement. Sullivan would like to have the contingency or emergency generally be considered for the period of length of planning process, or the short term plan which would be a five year time period, but with the opting out available, too.

Sullivan stated he could ask them for five years of reports.

Next Meeting will be held August 24, 1998, at 7:00 p.m.

Motion to adjourn by Ralph Richardson, supported by Patrick, to adjourn at 9:10 p.m. Motion carried.

SOLID WASTE PLANNING COMMITTEE

SEPTEMBER 14, 1998

MINUTES

Meeting was called to order by Chairperson Phil Johnson. Members present: Ferguson, Frykberg, Richardson, Kurtz, Lindberg, Rankl, Malpass, Hass, Smith, Skrzeczkoski, Strahl, Johnson.

Members absent: Pizzurro; Patrick (excused).

Others present: Larry Sullivan, Planning Director.

Minutes:

Motion by Randy Frykberg, seconded by Tad Malpass, to approve the minutes of the previous meeting, as printed. Motion carried.

Correspondence:

Grand Traverse letter indicating they would like to list Charlevoix County as an import and export county in their solid waste plan.

Sullivan stated that he believes this committee has made a decision as to which counties will be included in our plan, and he will get letters out to counties who have indicated an interest in using our landfill, as to the Committee's current position.

Had a telephone conversation with staff person from Crawford County indicating they have been researching their settlement with City Environmental and it indicates they would be allowed to ship their waste to other counties, but cannot force the waste generated in Crawford County to be shipped to other counties. They may be interested in having their waste come here.

Also received a letter from Manistee, which goes along with what the Committee's thinking has been regarding an agreement with Manistee County.

Old Business: Recycling Survey.

Sullivan provided a copy of the draft survey to the members. He explained what information was being asked for in the survey, and stated we want to know what the residents thoughts are on recycling and this survey will determine their knowledge of the waste issues in the county, as well. He gave a capsule summary of the survey.

He stated that any committee members who have suggestions or comments on this survey between now and the next meeting should contact the Planning Department.

Ferguson stated she had a concern about the form of the survey. Sullivan stated this was just the questions, not the final form.

Discussion was held as to how the recipients of the survey will be determined.

New Business:

Multiple County Solid Waste meeting:

Staff had invited the new Vice President of the Michigan Division of Waste Management to give the group an idea of where the Company is going in the future. He did not attend, nor respond, but Pizzuro and Poquette both attended representing Waste Management.

Bev Bodem attended and stated that proposed changes to the Solid Waste Act is being considered, and it was voiced by all present that this group would like the current act left alone, at least until we finish the plan update.

Present were representatives from Montmorency, Antrim, Otsego, Charlevoix, Cheboygan, Emmet, Kalkaska and Crawford Counties, and had good representation and good discussions. This group will be meeting again on October 27. Representatives from Hillman Power, in Hillman, Michigan, a firm that burns tires will be in attendance, to discuss means of handling and disposing of tires.

Sullivan stated there have been some discussions in the past about burning tires at Medusa, but they have other environmental problems that have to be resolved before they can take on the tire issue.

Transfer Stations:

Staff reported that our current plan allows for transfer stations at the site of the existing landfill, in Ironton or on M-66 between Ironton and East Jordan, along US 131 between Walloon Junction and Boyne Falls, and also one on Beaver Island. These would be Type A facilities that could handle 200 yards, or more, a day. Soon after that plan was completed and improved, it was thought that maybe there should be a little more latitude on the location. He stated it made sense to make provision for transfer stations for the future. He said there is no need for 5 or 6, but we do need to provide allowances for them at a variety of locations.

It was stated that we should consider having one on each side of the county, so that the haulers would not have to haul all the way across the county to get to a transfer station.

It was suggested that wording be put into the plan requiring a review system so that there is some control over who can put in a transfer station to make sure they are knowledgeable enough, etc. Staff suggested that zoning could probably not control it, but the Solid Waste Plan could have provisions which would make sure the transfer station would be located in an area suitable for it.

Staff reported that normally transfer stations are not a nuisance to a neighboring property, unless they have composting in the same location. This is usually the only time there are complaints about odor, etc.

Sullivan was asked to prepare siting criteria for transfer stations. He stated he would put some language together, but he asked what could help his efforts is for the Committee to provide an approximate number they feel would be appropriate.

Malpass stated that it should be flexible and let the economy drive the number. Sullivan stated the best thing he can do is put some language together that is not overly restrictive.

Discussion took place on the idea that the siting be worked out with the Planning Commission. The last time it was decided to let the Planning Commission determine the criteria, but the DNR stated the criteria had to be a part of the plan.

It was stated that we should develop criteria for siting Class A and Class B facilities, because they are different, including hours of operation and buffers. Hass stated there is a need for three Type A facilities, one for each hauler and one for the County. He feels this is necessary in case Waste Management might suddenly say they are going to close theirs, he needs to have an alternative to act quickly. He suggested property should not be disqualified for siting a landfill because it is not on a Class A, because if someone is building one they would know it would have to be on a Class A road, and they could bring the road up to Class A standards once the transfer station is located there.

Malpass stated that he believed that Waste Management would have a plan in place to put in a transfer station immediately if they closed the landfill.

Someone mentioned that Alanson residents are concerned because their rates are going through the roof, because Waste Management has put a monthly charge and upped the cost of the bags. The residents are contacting other haulers, but no one else services that area.

Discussion took place on where the best location would be for transfer stations, in order to be near the most populated areas. Sullivan stated that the rationale for having a Type A transfer station between Boyne Falls and the Village of Walloon would be that the Type B facilities in Melrose and Boyne Valley would potentially close up and use the new one.

Sullivan stated he would get some wording together for the next meeting, and get it out to the members prior to the next meeting. He asked the committee members if they feel there might be a need for a county owned and operated facility.

Richardson stated even if we have a county facility, we still need someone to come and haul the material away. He stated if the county has a rural site for the transfer station, the ones in Melrose and Boyne Valley would close down.

Hass stated with the people's attitudes right now in that area, he does not believe they would come on board. Maybe once it was up and running they might come around.

Sullivan stated the problem would be that if a person has a transfer facility, they might not want people to bring their own waste in. He stated it would be preferable to pick the material up, so that someone would not have to be hired to stand there and wait for people to come to the facility.

Sullivan stated he had spoken with an engineering firm regarding how long it would take to get a Type A Transfer Station up and running

The response was the permitting process would be six months to twelve months through the DEQ. He mentioned that it would probably be close to sixth month for a private company, and twelve months for a public one.

Sullivan stated that if there is a need, he felt there is a possibility to speed up the process. He stated that there are facilities available to use in case Cedar Ridge closes up unexpectedly.

Siting Criteria

Sullivan asked if the Committee wants to have siting criteria in the plan. He said it is not required to be.

Discussion ensued as to whether or not it was preferable to have siting criteria in the plan. Sullivan stated that if the last plan had not had siting criteria in it, Waste Management would not have been able to request an expansion.

Sullivan stated that if there had not been siting criteria in the plan, and we could show we had 66 months capacity of landfill space, Waste Management could not expand.

Motion by Ferguson, seconded by Kurtz, to not include siting criteria in the plan, and to also include language that no new Type II landfills, nor an expansion of any existing Type II landfills in Charlevoix County.

Discussion took place on what was wrong with the siting criteria in the last plan. Richardson stated that if we had put together good siting criteria, we would not be having this discussion now.

Ferguson stated this Committee has spent a lot of time talking about siting criteria for the last plan, but the State sent it back to us stating it was too strict. This Committee then changed the siting criteria to get the State's approval. She said she thought this Committee wanted to have the same criteria as other counties, but was not allowed to by the State.

Sullivan stated the State believed our siting criteria at that time was encroaching on the design standards criteria, and the DNR felt it is not in the Plan's scope to do that. One of the items of contention was that we were requiring a 40' horizontal distance from groundwater. The State said the Act allows a minimum of 10'.

Richardson stated that the State said that if the County could show that we had 66 months of capacity in our landfill, we could turn down an expansion. Sullivan stated that is true, but the County voted to allow the use of the siting criteria.

Richardson stated that if we are not willing to spend the time to do a good job on the siting criteria, as Manistee County did, then it would be better not to have siting criteria in the plan. He stated there are a lot of things in the Manistee Plan that are important, that have been upheld in court, so is allowed in the Manistee Plan. He stated that if this committee cannot spend the time to do it correctly, maybe we should not put siting criteria in the Plan.

Richardson stated changes to the law which are currently being proposed would allow landfills to expand on any adjacent parcel they now own.

Hass suggested that if we do not have siting criteria in the Plan, we might have a problem when the DEQ is asked by a company for an expansion in the future. He wondered if it might not be better to have siting criteria so that we would at least have a say in any expansion request.

Richardson stated we have to remember that we have no control over environmental issues, which is a part of the problem with the 40' horizontal isolation we had put into our first siting criteria.

Sullivan stated that if they reject our plan, they have the right to write the plan themselves.

Sullivan suggested we could table the motion, he could write a letter to the DEQ requesting a response, and in that way we will have something from them in writing, and number two, it will relieve some of the questions in the minds of some members.

Sullivan was directed to write a letter to the DEQ requesting clarification on a number of issues related to siting criteria.

Motion by Dan Skrzeczkoski, seconded by Ralph Richardson, to table the motion on siting criteria. Motion carried.

General Discussion:

Discussion took place on the fact that the foundary sands from Iron Works adds to the filling of the landfill space. Sullivan stated that if the sand was not going in there, it might tip the scales as to whether Waste Management could continue in that location, from an economic standpoint.

Kurtz stated she lives across from the landfill, and she stated her feelings would be the same if she did not live there.

Ferguson stated that five people in the area of the landfill have asked her who takes the water samples at the landfill.

Malpass stated from what he knows, it is usually the practice that a once a year samples are taken by the DEQ, and Waste Management probably checks more often and compares the results.

Ferguson stated people in her area are having problems with water, and she is not happy about it. She feels something strange is going on in the area, and it may or may not be connected to the landfill, but all of the residents who have problems have the same problem. She stated that she would feel a lot better if an independent company would test it.

Sullivan stated that as far as he knows, the DEQ comes out and splits samples with Waste Management, and they each send them out to their respective labs.

Motion to adjourn at 8:52 p.m., by Nancy Ferguson, supported by Prudence Kurtz. Motion carried.

SOLID WASTE PLANNING COMMITTEE
SEPTEMBER 28, 1998

MINUTES

Chairman Johnson called the meeting to order at 7:00 p.m. Members present: Patrick, Johnson, Smith, Rankl, Strahl, Skrzeczkoski, Richardson, Ferguson, Kurtz, and Malpass.

members absent: Lindberg (excused), Frykberg (excused), Hass (excused), and Pizzurro.

Approval of Minutes

Motion by Ralph Richardson, seconded by Nancy Ferguson, to approve the minutes of the previous meeting. Motion carried.

Correspondence

Letter to DEQ from Sullivan and a response, which will be discussed at a later point in the meeting.

Old Business

Recycling Survey: Staff asked for comments or questions on the survey as sent out.

Ferguson asked if the survey would be mostly check off. Sullivan stated a lot of it would be, although some may need an answer written in.

Nancy asked if the Solid Waste Committee could be notified prior to it being sent out, so they can help get the word out. She stated she felt the question on what percent of waste should be recycled should be in percentages. Sullivan stated it would.

Richardson stated that what is missing on the survey is why this is being done. We need something to tell the people that Charlevoix County needs their input on recycling, so they won't trash it.

Sullivan stated the survey would be setup in another 30-60 days.

Ferguson stated that on the last page, the word "was" should be changed to "is", also the same in the last paragraph, "Is a fee is necessary". Also, drop the words in the last paragraph "To the hauler", and the word "along" in the next to last sentence.

Sullivan explained the state law that allows a \$2.00/mo or \$25/yr to a parcel that has a residence on it. But it is subject to a referendum on a community by community basis. What is happening in Benzie County they are using this system, and a couple of townships had a referendum which had it thrown out. Therefore, some communities are paying, while other are getting the service without paying.

Staff suggested if any members have more comments or questions, they can send it to the office. He stated he would be sending publicity notices out to newspapers, etc. There will have to be in excess of 400 surveys returned, so over 1200 will need to be sent out, in order to have a 95% reliability. Staff has not made a determination as to how the residents to receive the surveys are to be chosen. Most likely, the names will be generated from the voter registration rolls.

Malpass stated we would not want any special interest group supporting the surveys, as they might skew the results.

Staff was instructed to further refine the survey and bring it back to the committee with a cover letter, for the next meeting.

Transfer Stations

At the last meeting, it was discussed that there is interest in having siting criteria for transfer stations, but not limiting transfer stations. If they met the criteria that was developed in the plan, any number of them could be sited. The current plan recognizes three transfer stations, one at Cedar Ridge, one between Ironton and East Jordan, one on Beaver Island, and one along US 131 somewhere between Boyne Falls and the Village of Walloon. As a part of that criteria, a transfer station would also have to meet local zoning. After discussion with the State and State personnel, we are going to be hard pressed to use zoning as a siting tool. There are requirements in the siting criteria given out tonight that will overcome the lack of other regulatory control at the local level, that will accomplish the same objectives as zoning.

Malpass asked how this criteria would compare with the state requirements.

The State has minimum requirements for transfer stations. Their concern is more design than where it is located. Sullivan stated the current law allows a transfer station in a wetland, or floodplain, provided it is not in the active floodway area.

Sullivan stated that he would be developing siting criteria for Type B Transfer Stations for the next meeting.

He went over the criteria he had handed out to the committee, listing the laws and acts that could not be violated.

Discussion took place as to what constitutes Class A and who makes that determination.

Sullivan stated he would check with the County Road Commission as to who has the final authority over decisions on designating roads as Class A.

On # 9, in the 7th line, delete the word "hundred".

Rankl discussed a parcel of property on Bell's Bay Road that would be great for a transfer station, but stated this criteria would not allow on in that spot.

Discussion took place on the fact that if you could locate a transfer station in a commercial or industrial district, you would not need as much space for buffering.

Staff was instructed to further research and elaborate on the proposed siting criteria for the next meeting.

Richardson stated we have never discussed how long it would take to amend the solid waste plan. He stated if someone comes along and says he has a perfect site for a transfer station, we should be able to amend it quickly.

Sullivan stated you cannot get away from the 3-month public review process, and you have to get 67% approval of the municipalities, and then approval by the State.

Richardson stated that Emmet County has their siting criteria finished, but they did not have it in the last one.

Staff will get a copy of the Emmet County Siting Criteria for the members of this committee for the next meeting.

October 12th and 19th will be the next two meetings.

Adjournment

Ralph Richardson moved, supported by Patrick, to adjourn at 8:21 p.m. Motion carried.

CHARLEVOIX COUNTY SOLID WASTE PLANNING COMMITTEE

OCTOBER 19, 1998
MINUTES

Meeting was called to order at 7:00 p.m. Members present: Kurtz, Hass, Lindberg, Richardson, Rankl, Hass, Smith, Skrzeczkoski, Ferguson, Frykberg, Strahl, Patrick, Johnson.

Members absent: Malpass (excused).

Others present: Larry Sullivan.

Approval of Minutes.

Don Smith moved to approve the minutes for the last meeting, as presented, seconded by Ferguson. Motion carried.

Public Comment Unrelated to Agenda Items.

None.

Old Business.

Recycling Survey: Discussion was held on changes that need to be made to the letter for the survey, and the survey itself. Staff will make these changes as decided at this meeting.

Motion by Dan Skrzeczkoski, supported by Randy Frykberg, to send out the survey, as corrected. Motion carried.

Transfer Station Siting Criteria

Staff stated he had sent out a copy of Emmet County's siting criteria to the members, for their review. Emmet County is not allowing any private facilities to be located there, only governmentally owned. Staff stated the Emmet County Siting Criteria is more complex and complicated than it need be.

Staff passed out revised materials, and provided background information. He said the main part to look at is the last three pages, concerning class A roads. Pat Harmon from the Road Commission stated that the State would not be designating a county road as a

Class A Road, etc., but it would be done locally. Staff stated he had added some language that if it is a privately owned road and meets all of the standards, whoever owns the road can designate it. Also added was a sentence reading "If the road services only the transfer station, it will not be subject to the Class A standards."

It was mentioned that zoning could not be used in the siting criteria, so we have to control it another way.

Discussion took place on number 5, which concerns locating facilities in floodplains. Sullivan stated if buildings in a floodplain are damaged, it not only affects them, but also land where the water goes to is also affected. Hass disagreed with staff and felt that it is not necessary to protect the floodplain. Staff will check with the DNR to see if they have elevations of the area, to help us in this language.

There was a lot of discussion about the distance the transfer station should be from other property, of if it should be setback from residential buildings. Sullivan stated there is plenty of property available in the County along main roads to provide the 1000 foot of frontage being discussed as needed for the facility.

Sullivan stated one concern he has with less frontage is the amount of truck traffic that would be going into the facility. It was discussed that you would not need the same requirements for a small unlicensed facility, as you would for a licensed facility, with the huge volumes handled.

In 6., staff changed the 10 acres minimum to 5 acres minimum.

Richardson asked if we could say that if it is in a zoning district that allows industrial warehousing or truck terminals?

Sullivan stated he would have to check with the state to see if it can be handled in this way.

He also will ask the DEQ what requirements are for land area required, setbacks, and buffering.

Sullivan stated he only saw 4 things in the Administrative Rules that really impact us. 1) the site does not encroach upon the floodway, and does not increase upstream or downstream flood stages; 2) the design will include a dike to preclude flood water inundation with a top elevation not less than 5 ft. above the hundred year flood plain; 3) a transfer facility located within 500 feet of a residence shall be secured by a fence not less than 8 ft high with 75 % screening if the residence is constructed before the facility permit is issued; and 4) the operation of the facility shall be carried out in a manner that minimizes vibration and noise to adjoining properties.

Staff stated he has no problem with changing the wording to say distance from residence, as opposed to from property lines. Discussion took place on the operation hours, and how that will affect the distance that is needed from adjoining properties.

A question was asked if there is a possibility a facility might be located in a commercial zone district, provided a local host community agreement is reached. Sullivan stated he would check on this.

Sullivan will go through the siting criteria language, and make the changes as agreed upon at this meeting.

Hass asked who is responsible at these sites for generating standards as to how well it has to be buffered as to sight and sounds. It was stated that how it is buffered makes a real difference in how it is accepted.

For the next meeting, staff is directed to check on the items discussed, such as the land area requirements, setbacks, and buffering. He will bring information back to the next meeting.

He will also check with the DEQ as to how zoning can be used for criteria, not precluding the locating of the facility, but in setting standards based on which district it is to be located. He stated that in some commercial areas a facility would be suitable, but in other areas, such as downtown areas, it certainly would not. There has to be a way to differentiate where they would be allowable, and further research is needed to develop language for the siting criteria.

Sullivan asked the industry representatives present if they were interested in putting in a transfer station in the future.

Next meeting will be held on November 9, 1998, at which time the siting criteria will be further discussed.

Dan Skrzeczkoski moved, supported by Paul Lindberg, to adjourn at 9:02 p.m. Motion carried.

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE
NOVEMBER 9, 1998

MINUTES

Meeting was called to order at 7:00 p.m., by Chairman Phil Johnson. Members present: Rankl, Lindberg, Stretch, Ferguson, Kurtz, Johnson, Patrick, Smith, Pizzurro, Skrzeczkoski, and Malpass.

Members absent: Ralph Richardson, (excused), Randy Frykberg, (excused), and Jamie Hass.

Others present: Sullivan.

Minutes:

In discussion, it was noted corrections needed to be made on page 3, paragraph 6, adding a question mark at the end of the first sentence, and then adding a sentence, to read, "Tom Rankl, Jamie Hass, and Don Pizzurro all answered yes to the question."

Moved by Ferguson, supported by Skrzeczkoski, to approve the minutes of the previous meeting, with corrections on Page 3. Motion carried.

Sullivan gave a report on the meeting with the multiple county solid waste group, and stated that an individual from Hillman Power, talking about burning wood for electricity. He stated they recently added up to 10% of the fuel stock as chipped tires, which makes the plant more efficient and creates less air pollution. They would like to increase the percent of tires to 20-25 percent of total fuel source.

The industry believes if they can get that 20-25% range use of tires, they would be burning up 8-9 million tires a year, which is about the number of tires that are generated as scrap tires in the State of Michigan per year. They are picking up tires from other places and the charge is \$2.00 each.

There was discussion about putting in bins or containers at transfer stations to hold the tires for pickup.

This group will meet again at a future date, which has yet to be determined.

Old Business:

Staff reviewed the siting criteria discussed previously, and went over the material he had handed out. He went over the changes that the Committee had made at the last meeting. He added a vegetative planting requirement to make sure you don't end up

with a solid wall or mesh fence around a facility. It was suggested that #9, sentence five should have added at the end "which will obscure the operational area". Also, in the next sentence of number 9, add the words "or if the facility is located in an area where adjacent industrial and warehousing obscures vision of the facility", following the word exempted.

On the last page of the proposed criteria, third paragraph, remove the last sentence in its entirety.

Discussion took place on the proposed wording. It was suggested that in #4, the word "regulated" should be inserted between "a" and "wetland". There was a discussion on the definition of wetland, and it was stated that sometimes it is based on the degree of wetness. Staff will check into the definition of wetland, and the Committee will give this more thought prior to the next meeting.

Motion by Skrzeczowski, supported by Strahl to have the following setbacks in the siting criteria for transfer stations. Setback from property line for transfer stations located in Industrially zoned areas - 30 ft. From property lines in Commercially zoned areas - 50 feet, from property lines in residentially zoned areas - 200 feet, the property lot line in an area zoned agricultural - 150 feet. Setback from a residence will be 500 feet. Change item 7 as discussed to show these changes.

Motion passed 6 to 5.

It was mentioned that there are three members missing, so this issue might be brought up again at a future meeting.

Survey:

Ferguson went over some changes she felt were necessary to make in the survey. Those changes will be made by staff.

Discussion took place on what happens if we don't get a consensus that people want it.

Ferguson stated this group has decided that recycling is coming, and we just want to get as much input as possible.

Next meeting will be December 14.

Meeting was adjourned at 9:00 p.m.

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE

DECEMBER 14, 1998

MINUTES

Johnson called the meeting to order at 7:00 p.m. Members present: Smith, Malpass, Strahl, Frykberg, Rankl, Skrzeczkoski, Richardson, Patrick Ferguson, Johnson, Kurtz. Members absent: Hass (excused), Lindberg (excused), Pizzurro (excused).

Others present: Sullivan.

Moved by Ferguson, supported by Richardson, to approve the minutes of the previous meeting, as presented. Motion carried.

Moved by Ferguson, supported by Frykberg to approve the siting criteria, as presented, with the word "regulated" in number 4 stricken.

4 yes, 7 no, motion was defeated.

Moved by Richardson, supported by Skrzeczkoski to approve the siting criteria, as presented, motion carried 10-1.

Moved by Ferguson, supported by Kurtz, to not include siting criteria for a new Type II Landfill, nor for an expansion of any existing Type II Landfill(s) in Charlevoix County.

Motion carried 10 yes, 1 no.

Moved by Malpass, supported by Frykberg, to adjourn the meeting. Motion carried. Meeting was adjourned at 8:40 p.m.

SOLID WASTE PLANNING
APRIL 19, 1999
MINUTES

Meeting was called to order at 7:30 p.m., by Chairman Johnson. Members present: Smith, Strahl, Frykberg, Rankl, Skrzeczkoski, Richardson, Patrick, Johnson, Ferguson, Kurtz, Hass, Lindberg.

Members absent: Pizzurro and Malpass, both excused.

Others present: Larry Sullivan; Tom Wieland; Ardeth Wieland; Larry Levengood; Richard Hodge, East Jordan Iron Works; Debbie Johnston, Ken Rogers, Dave Barron (Waste Management).

Motion made by Frykberg, supported by Skrzeczkoski, to approve the minutes as presented. Motion carried.

Sullivan brought the committee up to date concerning the Waste Management request for an expansion to the landfill, and their withdrawal prior to the 3-29-99 public hearing. DEQ staff informed the public that the public hearing was cancelled, but they would listen to comments. Staff understands the company is reevaluating their options, and is not certain what the status is, whether they will resubmit or not. The company representatives stated that is up in the air at this time.

Staff reported on a call from a waste hauler in early April. The hauler stated that he had received a notice that the landfill would be taking no further waste from the hauler. The current word from Waste Management is that the landfill has a contract with East Jordan Iron Works and they need to retain the space at the existing landfill to fulfill that contract. Waste picked up by Waste Management will be going to the Emmet County Transfer Station, for possible transporting to their Waters facility. DPW Director Selzer, in Emmet County stated she felt the additional volumes of waste coming in to the transfer station could be accommodated.

The existing waste plan provides for three Type A transfer stations in the County, one on Beaver Island, one at the landfill or between the landfill and East Jordan, and on US 131 between the Village of Boyne Falls and Walloon Junction. There is the ability in the existing plan to license transfer stations in the county. There is no limit on the number of type B facilities that can be established in the county. Top Rank has indicated they are interested in putting in a Type B facility in the near future.

The representative of Waste Management, Debbie Johnston, stated the company would be issuing a letter to the newspaper to let everyone know what the status is at the landfill. The company pulled the permit request as they felt they needed more time to work with everyone before it goes any further. She explained the need to keep the

capacity for the East Jordan Iron Works because they have a contract with them to provide for their waste disposal at the Cedar Ridge Landfill.

The company had withdrawn the request, but can resubmit it in the future. That would be under the existing plan, not the one we are working on. Ferguson asked if we finish the plan up tonight, would the request, if it is resubmitted, be made under this new plan? Sullivan stated he would have to research that point.

Recycling survey - updated ^{mailing} list is now ready. Staff stated he did not feel comfortable with using the previous list. Staff will begin to sort through the labels and it will probably take a month and one half to get the results tabulated following the return of the surveys. He stated he felt the method of paying for the recycling could be determined following the input on the survey.

Discussion took place on the siting criteria previously discussed.

Policy Statements:

Strategy 1.5 was discussed, as being needed to be changed. Staff asked if a statement was needed as to why no criteria is needed by Type II Facilities. It was suggested that the criteria would be used to identifying potential sites for solid waste facilities for Type III Landfills and Transfer Stations.

In discussion on the Goals and Objectives, it was decided to change Strategy 1.5 to read: Develop and include a siting criteria for use in identifying potential sites for Type III Landfills.

Strategy 1.6 – Develop siting criteria that allows for transfer stations in those communities that so desire an alternative to collection, and to allow waste hauling companies to combine loads from smaller trucks to allow for economical methods of moving waste in addition to reducing truck traffic.

It was also decided to insert percentages of material to be recycled provided by RRSI.

In Objective II, strategy 2.4 should be changed to 2.1, and changed to read "Develop a series of recycling centers and drop-off locations and encourage the public to increase levels of recycling of all materials, including, but not limited to paper, metals, glass, oil and plastics."

Number the strategies as determined at this meeting.

Strategy 3.3 – Change to read "Require the development and enforcement of laws, ordinances and regulations at the County level, and encourage similar actions at the

state, city, village, and township levels in order to govern the location of, appearance, odor, noise, and other public health and aesthetic impacts resulting from the collection, storage, transportation, processing, and disposal of solid waste."

Strategy 3.4 - Change the word "encourage" to "Require".

Remove existing Objective IV, moving strategy 4.2 back to Objective I.

Renumber Objective V to Objective IV, adding the words "and environmentally sound" between the words "feasible" and "for".

Renumber the rest of the strategy numbers in this Objective.

In Strategy 4.6 – Add the words "reuse and" between "the" and "recycling", remove the words "and sale", and place a period following the words "waste stream."

Motion made by Jamie Hass, to approve the goals, as amended, supported by Randy Frykberg. Motion carried.

Enforcement Issues:

Ferguson asked what we are talking about when we speak of enforcement. Is it for well inspections, noise, etc.? She stated we need to know who to call for what problems.

It was stated that it would depend upon which problem you are discussing. Ferguson asked if it is appropriate to list the correct person to contact, so that the average citizen would know who to call for each problem.

It was decided to develop a table that details enforcement for each of these issues:

Landfills

Transfer Stations
Collection Vehicles
Recycling drop off locations

Ferguson stated she wanted to know if our health department is certified, as mentioned in Part 115, of PA 451 of 1994. Sullivan replied that it is not certified.

Levengood, a member of the audience and an employee of the Health Department), stated that there are so few landfills now in this area, and given the lack of state funding, it is doubtful the health department would become certified.

Levengood stated there are aspects in the solid waste industry that does fall under the Health Department.

It was stated that in the future, if it is felt we want someone to monitor the landfill, there could be a person hired with possible funding between the landfill and the hosting county.

There should be a hierarchy of complaints as to who should be contacted first, and then if no action is taken, you could go to the next step of authority.

It was stated that once the list of enforcement agencies is printed, it should be made available to township, city and village elected officials, as well as printed in the paper, etc.

Staff stated usually counties pay for the enforcement with surcharge fees on waste generated within the county or disposed of at landfills within the county.

General Discussion:

Staff stated he had spoken with the DEQ recently, and they have put a moratorium on approving any solid waste plans, and they do not know how long the moratorium will continue. This was a result of the threatened litigation from the trade association for the Michigan Waste Industry. The DEQ has requested an opinion from the Attorney General's office, and it could take a while for a response. Staff indicated that 60-90 days would not be unreasonable. Leelanau County feels they will have had their plan in for six months prior to the end of the moratorium, and will send the DEQ a letter at that time, stating they consider their plan approved. The DEQ has six months to approve a plan, or it is considered approved, if nothing has been done on it by the DEQ.

Staff stated he has heard that if county plans are approved, the waste industry will attack the smallest counties with suits, as they will have a harder time fighting the case in court.

Discussion was held on surcharges, how they are put on and how the money can be used.

Staff stated at the next meeting, he would have most of the plan ready for the committee.

The next meeting will be held on May 24. He stated he did not feel it was necessary to have the survey finished by the meeting, as we can add the input from the surveys at a later date.

Skrzeczkoski moved, supported by Ferguson, to adjourn at 8:45 p.m. Motion carried.

SOLID WASTE COMMITTEE
MAY 24, 1999

MINUTES

Meeting called to order at 7:00 p.m., by Chairman Phil Johnson. Members present: Richardson, Frykberg, Hass, Pizzurro, Kurtz, Ferguson, Lindberg, Rankl, Malpass, Smith, Skrzeczkoski, Strahl, Patrick, Johnson.

Member absent: Don Smith.

Others present: Diana Walls, Joe Tymoc, Debbie Johnston.

Approval of Minutes:

Moved by Randy Frykberg, supported by Paul Lindberg, to approve the minutes of the previous meeting. Motion carried.

Public Comment:

Diana Walls spoke on her concern over a lack of recycling, and felt there is a need for it.

Recycling Survey

The Solid Waste Committee members completed the recycle survey the Planner handed out. He stated he wanted to get the feelings of the public, the solid waste committee, and elected officials.

Sullivan stated that the decisions on recycling can be made during the three month review process, and can be incorporated into the plan at that time, before final approval. He stated we had mailed out 1500 surveys, and the results will be tabulated by Cooperative Extension Service, and he will bring the results back to this Committee. Staff feels that within 30 days, we should have the survey complete.

Funding of the recycling is a big question, and who should be responsible for seeing that recycling is done, and financed. Discussion took place on what level of government should be responsible for recycling. It was felt that

the County would be the most appropriate level of government, in order to get wider coverage. How it could be funded was discussed again. Ferguson stated she felt it should be paid for through taxes, as that would get everyone involved. Each community could have a referendum to overturn the decision to use taxes, so some would be covered and some would not. Sullivan discussed some of the pros and cons of the taxing question. Emmet County pays for theirs by a charge at the transfer station, and if their costs increase, they simply increase fees.

Ferguson asked for clarification as to whether or not we would be taking our recycling to Emmet County. Sullivan stated it was his opinion that the county would be taking their recycling to established facilities in other counties. For established recycling in the county, there can be some cooperation or payback for the community already providing a service.

Composting was discussed briefly, with the planner stating all three cities and Beaver Island providing that program. He feels the plan should stress utilization of these services. We should also encourage residential composting, and perhaps purchasing and selling compost containers to enable people to do it.

Enforcement:

Staff explained that he felt it unwise to list individuals in the Plan who enforce parts of the plan, but rather a general list of what department, etc., would be responsible. Ferguson stated that one of the biggest problems is to find the correct phone number in the Plan, but felt it should be in the newspaper a couple times a year, to make it easier to reach the DNR, etc. It could also be published in the phone books, and with recycling information.

It was suggested that the list of agencies be reworked to make them in the order of contact. Sullivan stated there could also be included phone numbers of garbage haulers, so if something falls off a truck, they will know who to call right away. Sullivan asked if there are enforcement tools available, and are there people available to administer them.

It was stated there is a new regulation that all Health Departments in the State must be certified by next year.

Sullivan stated the question is "certified for what?" Discussion took place on exactly what the new regulation means, as there are many things the Health Department has to be certified for. Sullivan stated if the Health

Department had to be certified for Solid Waste inspections, then the waste company would have to apply to the Health Department, rather than Lansing. He is not sure this is what the new regulation refers to.

Discussion was held on weight restrictions on the road. Hass stated he felt this is a problem for companies, and should have some wording in the plan so that blanket periods of weight restrictions should not be put on. He felt there should be more leeway.

It was stated the Solid Waste Plan cannot dictate to the Road Commission.

Richardson stated he did not feel he should have to drive over bad roads, to let an empty truck that is overweight run on them. It was felt this is an issue that should be taken up with the Road Commission.

Discussion was held on whether there should be an ordinance against burning garbage. It was stated there is already a state law which prohibits it already.

Sullivan asked if the Committee felt there should be someone from the County that should be out enforcing the plan, or if the committee felt there are adequate enforcement agencies already. It was stated that there should be that possibility in the plan, but not mandatory. Then if the County feels one is needed, it could be developed.

Sullivan stated littering is probably the most common problem, and maybe the Sheriff's Department might need to be pushed a little more to enforce. One member suggested that the Sheriff's Department is becoming more environmentally educated and is more willing to enforce violations. It was asked if we need a host agreement for a transfer station as was needed for a landfill.

It was stated that you can enforce hours of operation, setbacks, etc.

Discussion was held on how often landfill sites are checked, once the landfill is closed. Sullivan stated it varies, but if a problem occurs, and you only check every few months, it could already harm the environment. He stated that if there is someone on site, they would most probably pick up problems on a day to day basis.

tion was asked about the burners, and what happens when they go out? That could present a smelly problem, ne is on site. It was stated there could be an automatic re-light system.

in stated the County does have the power to enforce Part 115 of the Natural Resources and Environmental They could initiate legal action if there are violations occurring at a landfill. Anyone could bring the problem the Prosecuting Attorney for action. It was asked if the DEQ takes precedence over the Prosecutor in ement. Sullivan stated the DEQ might give prompter action, sending a field person out, and then he might st action by the Prosecutor.

an stated the DEQ has the power to levy fine, but their primary intent is to enforce compliance, not to close business down. Sullivan stated he feels an Ordinance is not necessary to enforce the Plan, because State laws ly exist to enforce it.

s stated that the Committee feels there are adequate enforcement options, but would like to have the ability in an, to hire a enforcing officer, at the county level.

eczkoski moved, supported by Ferguson, to include enforcement possibility in Plan, leaving option for a county nance to enforce the plan, county enforcement officer, and reorder the list of enforcement agencies. Motion ed.

Timok, transfer station attendant in Boyne Falls, spoke on the operations at the Boyne Falls Transfer Station. ntioned the problem with enforcement of litter, because the people who drop it, deny they did it.

er Issues:

if reported he received a letter asking for a letter of consistancecy for Transfer Station

obie Johnston was present to answer any questions members might have.

Kurtz asked about the amount of truck traffic coming in. She said it is a concern by many of the neighbors of the landfill. She asked if Waste Management plans to truck in materials from all the other counties and haul it to a transfer station here, if allowed.

Pizzurro stated they needed the flexibility in case they are in the area with a partial load, etc., it would be better to be allowed to use a transfer station here to handle it.

Discussion took place on the letter from Waste Management, and what it would mean. Johnston stated the company just wanted to keep its options open. It was mentioned that Waste Management would only be adding three counties.

One member stated he had concerns that Waste Management might get the transfer station, get the extra counties into the agreement and we would end up getting waste from all of those counties. The language needs to be cleared up, to make it perfectly clear what is being approved.

The question was asked where the letter of consistency should go. Sullivan stated that should go to the County Planning Commission. In terms of modification of the service area, that would have to be addressed in the Solid Waste Plan. Sullivan stated he feels the new plan will get through faster than an amendment could be made to the existing plan. Sullivan stated the three issues to be discussed are: 1) Letter of consistency for Transfer Station, 2) Service Area, and 3) Type III Landfill.

Nancy Ferguson moved, supported by _____ to adjourn at 9:17 p.m. Motion carried.

A question was asked if all municipalities have addressed solid waste issues in their zoning ordinances. Sullivan stated not all of them, but some have, and he has some excerpts from some of those. Discussion took place on how the lack of addressing these issues will affect the plan. Sullivan stated if a municipality has not allowed for it in their ordinance, it would be allowed in the agricultural district. But those ordinances that do contain language specifically allowing landfills or transfer stations in another district, they would be allowed only in those.

A question was asked about Emmet County's Plan as to where they allow landfills. Sullivan stated he has not researched their Plan.

Kurtz

Motion by Skrzeczkoski, seconded by Ferguson, that it read landfills must be located in areas appropriately zoned for that use, or if a community has not located an area for that use, it should be located in the agricultural zone district.

Discussion was held and it was asked why are we addressing this issue. One member stated we should just leave it alone.

Second to the motion is withdrawn.

Moved by Skrzeczkoski, seconded by Ferguson, that landfills must be located in any appropriately zoned for that use. Motion carried.

The question was asked if we had not talked about having an enforcement officer. It was stated that we had. It might happen down the road that we may need to have an enforcement officer, and if we need one, that could still be done.

Moved by Ferguson, seconded by Rankl, to include language in the enforcement section of the plan as follows: "Recommend periodically putting in the newspaper listing enforcement agencies and their telephone numbers." Motion carried with one no vote.

A question was asked on page 101, second paragraph, and it was decided to add after Part 115, "of P.A. 451 of 1994, as amended."

Following a brief discussion, it was suggested that Melrose Township Ordinance # 1, on the transportation of trash in uncovered vehicles be added.

Sullivan stated that while the Plan is out for public review, he would contact all municipalities and note any additional ordinances of a similar nature. If there are, and the committee desires, they can also add these to the plan.

Sullivan gave a summary of how the public hearing works.

Duties and responsibilities were put in so that if the committee feels more is needed to enforce the plan, that could be addressed.

Sullivan asked the committee if it was felt that we should put something in the Plan to address franchising. It was decided that staff should research this issue and it can be decided following the public hearing.

It was discussed how franchising would work. A question was asked if a company could just service the convenient areas but not those that would be more difficult to service. It was stated this could be controlled by franchising agreements.

Sullivan stated his intent in bringing this issue up was not to mandate it, but to allow it if communities wanted it.

Sullivan stated page 109 would be filled in from some technical material. Under costs and funding on 112, they will be determined by the recycling committee to be set up by the County Board, and material from RRSI.

Moved by Dan Skrzeczkoski, seconded by Eric Strahl, to set a public hearing for January 24th, and February 7, 1999 for a meeting date for the Solid Waste Committee to review the comments from the Public Hearing and make any needed changes in the Plan. Motion carried.

Jamie Hass moved, seconded by Don Smith, to authorize release of the Plan for public review. Motion carried.

Sullivan suggested the members consider attending some of the township meetings, in order to encourage approval by the local groups.

Motion by Dan Skrzeczkoski, seconded by Tom Rankl, to adjourn at 8:22 p.m.

A vegetative planting shall be established and maintained, outside the screen or buffer to enable it to blend into the area. The vegetative planting shall consist of a mixture of coniferous trees of differing types which have a minimum height of six foot each at the time of planting, which will obscure the operational area. A naturally vegetated site having tree growth which will obscure the man made buffer may be exempted from the planting requirements, or if the facility is located in an area where adjacent industrial and warehousing obscures the vision of the facility. Exemption decisions shall be rendered by the Charlevoix County Planning Commission.

Distance from Surface Water - a minimum of 2,000 ft isolation distance from lakes and/or permanent flowing bodies of water and 500 feet from any water impoundment and/or intermittent flowing bodies of water as depicted on the Michigan Resource Inventory System (MIRIS) Maps for Charlevoix County, dated 8-25-89. These setback requirements do not apply to drains and sedimentation ponds.

Proposals by private or public entities to construct or expand Type II landfills shall be deemed to be inconsistent with this Plan.

The issue of zoning in regard to the siting criteria was discussed. Sullivan stated that all communities must provide for all types of uses, and the DEQ has already determined that a community has not provided for landfills in their area. Richardson brought up the point that the City of Charlevoix could not provide for a landfill.

Motion carried, with Malpass voting no, and Smith abstaining.

Motion by Nancy Ferguson, seconded by Frykberg, that all Type II Landfills operating when this plan goes into effect, or are constructed after this plan goes into effect shall pay a per yard surcharge as determined by the County Board of Commissioners. Monofills shall be exempt.

Motion carried, with 11 yes votes, and 2 no votes.

Richardson asked Johnson about his communication from Waste Management concerning the letter where they had said they would not allow us to use their air space for planning purposes.

Johnson stated they had not rescinded it yet.

The next meeting will be October 4, 1999.

Motion by Hass, supported by Patrick, to adjourn at 9:10 p.m. Motion carried, with Ralph Richardson voting no.

CHARLEVOIX SOLID WASTE COMMITTEE

OCTOBER 4, 1999

MINUTES

Meeting called to order at 7:00 p.m. by Chairman Johnson. Present: Johnson, Smith, Strahl, Hass, Rankl, Lindberg, Ferguson, Kurtz, and Skrzeczkoski.

Members absent: Richardson, Frykberg, Patrick, Malpass, and Pizzurro.

Minutes:

Changes were made in the minutes on page one correcting the spelling of Kurtz, and adding the names of other members present that had been left off. Also, insert the name Frykberg on page 3, where there was a blank.

Strahl moved to approve the minutes of the previous meeting, as amended. Rankl supported, and motion carried.

Correspondence:

Letter from D.E.Q. advising us that we have a new liaison person for solid waste matters. His name is Stan Idziak.

Letter from East Jordan Iron Works, from Tad Malpass, resigning from the Solid Waste Committee, as he feels he has nothing further to offer to the committee.

Ferguson asked if we need to address the letter from Eveline Township going on record in opposition to the current request by Waste Management for expansion of the landfill and for addition of a transfer station at the present location. Sullivan stated this letter will be forwarded on to the County Planning Commission as a part of their review on the 14th or 20th of this month. He stated the Commission has to act within 60 days from agreement it is consistent with the plan.

Discussion took place on what is left of the process. Sullivan stated we would need at least one more meeting to address issues that come up at the Public Hearing.

Enforcement:

Sullivan stated the Siting Review Procedures handed out tonight are to replace the ones that were changed at the last meeting.

Sullivan stated that in terms of enforcement of the plan, we have developed a list of the agencies that have responsibility for enforcement. He stated one issue we did not put to rest is how we are going to utilize zoning.

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE

SEPTEMBER 13, 1999

MINUTES
(as amended)

Meeting was called to order at 7:00 p.m., by Chairman Phil Johnson. Members present: Ferguson, Johnson, Kurtz, Smith, Skrzeckoski, Lindberg, Rankl, Malpass, Strahl, Patrick, and Hass.

Motion by Ferguson, seconded by Strahl, to approve the minutes of the previous meeting, as amended. Motion carried.

Recycling bins were discussed, with the note that the amounts that go into them depend upon their location, the time of year, etc.

Discussion took place on the amount of the surcharge that is being planned. Staff stated different areas have different ways of determining the surcharge for different types of recycling material, depending on the price the company is getting for the recycled materials.

Ferguson questioned the second paragraph on the last page of Sullivan's summary on recycling survey. She stated it is somewhat confusing. Residents don't always understand that they will have to pay for it someday.

It was discussed how the Board of Commissioners would put the charge on residents. Sullivan stated it is possible to levy an amount on each parcel in the county that has a residence on it. Public Act 38 allows an amount not to exceed \$25.00 per year on properties in the county that have residences. However, it is subject to referendum on a community by community basis, which means one community can agree, and the next one over will say they are not willing to pay anything.

Grand Traverse charges 50 cents on every yard of waste that is generated in that county. Different counties use different method. One hauler stated he has a problem with the bookkeeping that is required of the hauler if the cost is collected by him.

One member stated that he did not feel it was this Committee's responsibility as to how to pay for the recycling. He feels the Committee should make some recommendations, but it will be up to the County Board or someone else to determine the way to pay for it. He thinks we have the general direction and we should not keep going over the same material, but need to move on.

Nancy Ferguson moved to recommend establishing dropoff locations, at a minimum in all the three cities, the two villages, and on Beaver Island. Supported by Prudence Kurt. Motion carried.

Ralph questioned the need to include detailed language in the Plan as to the specific way to recycle. We do not need to have how it going to be done, how to pay for it, etc. It was stated the County Board should set up a committee to make that determination. Dan Skrzeczkoski moved, supported by Ralph Richardson that the County Board set up a committee to determine how to fund and operate a recycling program in Charlevoix County. Motion carried with Don Smith and Jamie Hass voting no.

Siting Criteria:

Page 92 was discussed. A question was asked about the berming and screening that was previously discussed. It did not appear here. Nancy stated we need to have something to prevent the height of the facility going above everything around it.

It was stated that on page 92, the Distance from Surface water should read 2,000 feet instead of the 1,500, as currently shown on this page.

The question was raised regarding the need for a Type III Landfill for Charlevoix County. Waste Management has said they cannot operate one with just waste from Charlevoix County. A lot of the construction waste can be recycled, so are we addressing a problem we do not have.

With Waste Management making access available and unavailable, maybe we don't need a Type III.

Richardson stated that at the last meeting it was decided to give the sub-committee the direction to give Waste Management a six year limit and at the end of that six years when the Type III was supposed to close, the type III waste would then go through the transfer station. He felt that if it is going there to be run through a transfer station in six years, why not put it there now. He stated he did not know why we were working so hard to provide something that is going to discontinue in six years.

The question was reiterated, "Do we really want a Type III facility?" It was mentioned that one reason it is in there is for East Jordan Iron Works in case they need it. It was mentioned that Waste Management can close the facility anytime to everyone but their own trucks, then the local haulers cannot use it, it would not be good to have. If they get one, there should be a requirement that it be open to everyone.

Discussion took place on whether the County Planning Commission might find the request in compliance with the Plan. It was stated by Ralph Richardson that the request is outside of the approved 40 acres, so cannot be in compliance.

The question was asked if the County has to get into the business, should that possibility be included in the Plan.

Motion by Skrzeczkoski, supported by Nancy Ferguson, that the following criteria must be adhered to by any governmental entity that proposes to operate a Type III Landfill open to the public and any private company that desires to develop a monofill for disposal of wastes generated by that company within the county.

Type III: 8 acres for 6-8 years, with unlimited counties allowed to use the facility.

Waste from customers would be accepted at posted rates.

Allow for a Type III for Beaver Island, and 2 monofills, one for Medusa and one for EJIW, if needed.

Transfer Stations: Unlimited number of Type A if they comply with agreed upon siting criteria.

Surcharges - One rate for Type III in county waste, double for out of county Type III waste.

Surcharge waived for monofills owned and operated by waste generator.

For transfer stations, all rates equal for in and out of county waste.

Surcharge funds will be used to fund recycling, household hazardous waste collection days, and solid waste/recycling coordinator/enforcement person.

Recycling: County coordinated or operated drop-offs, 1 in each City, 1 near Boyne Falls, 1 near the Village of Walloon, and 1 on Beaver Island.

HHHW: Collection days quarterly, with flexible locations, in each city, on Beaver Island, etc.

Motion by Skrzeczkoski, supported by Smith, to have staff work this material up as the plan, and send it out to the members in time to review it prior to the next meeting. Motion carried.

Ferguson stated the sub-committee should contact Waste Management, and tell them this is what came out of the meeting and what they are directed to do by the Solid Waste Planning Committee. Then if Waste Management gets back to the sub-committee, at the next meeting, the committee will have time to get their work done.

Motion by Don Smith, supported by Paul Lindberg, to adjourn.

Motion carried.

reported that Waste Management had said they were going to do it, but have not done so, in writing, to this point.

Hardson stated he felt the Committee has to decide if we are going to amend the existing Plan, or do a new Plan. If WM is going to expand outside of the sited acreage, and the township is going to go along with it, then we need to amend the plan. Then we need to get them to agree to meet the requirements in the new plan we are going to do.

Sullivan stated that there are two ways to look at it. We can look at it with the new plan, but aren't moving too fast on that. Another way to amend the existing plan to provide for a few of those things that the committee is in agreement with, to get those things over in a quick fashion. Then this Committee can spend more time dealing with some issues.

Type III Facility is an immediate issue, as is the Siting Criteria for Transfer Stations, Waste Management is proposing a Type A Transfer Station, and have said they are willing to comply with the requirements for this draft plan. Maybe we should get that on the table and take action, so the waste firms will know what they are dealing with.

Some issues to be dealt with are zoning and enforcement, which may take some time. Sullivan stated he had spoken with the DEQ this morning as to what it would take to amend the current plan, and if they would accept an amendment. They would, but there is a question as to whether they would require it to be in the new format they are requiring or not.

A discussion was held on how the amendment could be done, including what would be needed to be put into the amendment. Siting criteria is different for transfer stations and landfills, so this would have to be looked at in an amendment.

Hardson stated that the proposed Type III Facility by Waste Management is out of the sited area, and is not consistent with the

existing plan. Therefore, he stated we would have to amend the plan, or look at it under the new plan.

Rankl stated that he is not allowed to take waste to Cedar Ridge. He stated he has made adjustments, had expenses, etc., to take care of his Charlevoix customers, by taking it across the state to another facility that is glad to accept the waste. He felt that if there is a Type III facility allowed, it should be stated that it is open to everyone.

Dan Skrzeczowski made a motion, supported by Eric Strahl, to recommend to the sub-committee that Type III Landfill with a maximum of 8 acres, but following ridgeline, with a maximum lifespan of 6 years, no limitation on counties or geographic area the waste can come from, and all the other issues left to be decided to continue to be dealt with by the sub-committee.

On a roll call vote, Pizzurro and Rankl voted no; Richardson, Lindberg, Skrzeczowski, Kurtz, Ferguson, Smith, and Strahl voted yes; and Patrick and Malpass abstaining. Motion carried.

The question was asked if this is not acceptable to Waste Management, what is their alternative?

It was stated that the company could come back and say they cannot do it with the six-year deadline, and make an argument for that.

Sullivan stated he had the solid waste plan on one sheet of paper. He was asked to read it, and it is as follows:

For Type II: Primary facilities to be located in Presque Isle, Montmorency, Crawford, Leelanau & Clare Counties.

Contingency facilities in Wexford and Manistee Counties.

Also provide for a county owned and operated Landfill should the need exist.

Old Business:

1) Attitude Survey:

Sullivan reported on the fact that all of the survey responses have been entered into the computer, as of this noon today. Results will be forthcoming within the next few weeks.

Sullivan will be working with Cooperative Extension to compare information in different ways, to see what the majority would support within the county.

2) Host Community Agreement:

The Sub-Committee work was reported upon by Nancy Ferguson, Jerry Puhl, Paul Lindberg, and Dan Skrzeczkoski. The agreement as presented was discussed, and it was stated that it lacks property guarantees, and no specific dollar amounts were decided upon.

The letter from Waste Management had been handed out to the members. Skrzeczkoski is a township representative to the Committee, and he stated the township board would possibly consider an expansion of a 5-6 acre for 5-6 year time period for a Type III Landfill. They might bend a little bit on it as there is a natural ridgeline which was thought to be in the 5-6 acre area. As Waste Management states the ridgeline fits in an 8-acre area, the township might go along with that acreage, although he has not spoken with the entire Township Board about this matter.

Through the meetings that the committee held, the acreage was changed to 8 acres, it was decided to have it capped at the end of 8 year with a maximum height of 844 feet, there will be further landscaping on the side that the Type II landfill is located; and specific closure date and legal documents stating that in 8 years time this will be closed. A Type II liner will be put in for the Type III Facility. The counties that were to be involved were Emmet and Charlevoix County. In addition this agreement would be legally

binding on any future owners or operators of the facility, as well as Waste Management. This closure date should be set forth in a deed restriction, which would be duly recorded, and remain in place in perpetuity for the benefit of both the County and the Township. Any land owned by Waste Management surrounding the site will be put into land conservancy, there will never be another expansion or new landfill request for Section 19, Eveline Township. Waste Management will be making a binding agreement with Charlevoix County on a long term basis, available landfill air space capacity at its other disposal facilities within the state of Michigan, including the Waters Facility. Also the surcharge charged at the landfill will be made available to fund a recycling program, and Waste Management will continue monitoring of the landfill.

Waste Management's latest proposal was discussed thoroughly by the Committee.

One point of main concern is that Waste Management is suggesting no limitation on the source of the incoming Type III materials, which this group has never spoken in favor of.

Also with the screening on the western boundary, it was felt there should be both berming and screening on two sides. It was stated that Waste Management's proposed agreement only met what this Committee has wanted with three paragraphs.

Charge for in county waste as compared with out of county waste. The figures \$1.00 and \$5.00 were discussed. It was stated that if a surcharge is charged, it should be charged to everyone who brings waste in and the charges should be uniform.

Discussion was held on whether or not Waste Management could be expected to guarantee land values.

It was stated that the sub-committee has not come to an agreement with Waste Management on all issues at this time. There are still issues to be worked. The letter from Waste Management concerning closing the Waters Landfill to Charlevoix County was discussed, and it

It does happen that paint cans, etc., will go in to Type III Landfills, but the facility would be risking their license if it is found that this is happening. Everyone agreed there should be more protection against groundwater pollution, etc.

Sullivan noted that there have been disagreements on the accuracy of the MIRIS maps, and we should not hang our hat on that.

Ferguson stated that the host agreement sub-committee would be meeting with Waste Management on the 21st, at 10:30 a.m. She stated she is proposing the full solid waste committee meet August 2.

Staff suggested the group look at pages 60 through 83 for the next meeting, including the siting criteria, and enforcement. He mentioned surcharges as having been discussed in the past as a way to pay for recycling, and the survey did have this in it, as a question.

There being no further business to discuss, Malpass moved, supported by Don Pizzurro, to adjourn. Motion carried.

CHARLEVOIX COUNTY SOLID WASTE PLANNING COMMITTEE

AUGUST 2, 1999

MINUTES

The meeting was called to order at 7:10 p.m., by Vice-Chair Nancy Ferguson, in the absence of the Chairman Johnson. Members present: Ferguson, Richardson, Kurtz, Skrzeczkoski, Lindberg, Rankl, Malpass, Pizzurro, Strahl, Smith and Patrick.

Members absent: Johnson, Hass & Frykberg.

Also present: Larry Sullivan, Larry Levensgood, Jerry Puhl, and Dave Barron, and Steve Essling.

Public Comments: None.

Approval of minutes:

In discussing the minutes of the previous meeting, a correction was made on page 2, last paragraph. The second and third sentences should read: "The Plan and any host community agreements can require the same siting criteria for a Type III Landfill as for a Type II Landfill. It was stated that construction waste is allowed to go into a Type II Facility."

Motion by Dan Skrzeczkoski, supported by Kurtz, to approve the minutes of the previous meeting, as amended. Motion carried.

Correspondence:

The only item of correspondence is a letter faxed in July 27, and can be dealt with under old business.

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE
JULY 12, 1999

Amended

MINUTES

Chairman Johnson called meeting to order at 7:00 p.m. All members of the committee were present.

Others present: Sullivan, Levensgood, B.J. Hetler, Nate Jason, A.O. Woods, Jim Frey, and Andy Sneddin (Courier Editor).

Public Comment:

None.

Minutes:

Motion by Richardson, supported by Frykberg, to approve the minutes of June 7, 1999, as printed. Motion carried.

Correspondence:

Letter from Assistant Prosecutor of Presque Isle County, questioning the reciprocal agreement they signed with Charlevoix County approximately seven years ago, regarding the flow of waste between the two counties. He felt Charlevoix County has no landfill or transfer station to service Presque Isle County, the Charlevoix County Solid Waste Plan contains no siting criteria, and Charlevoix County has not promoted a program of recycling, composting and collection of household hazardous waste.

Sullivan outlined the Charlevoix County response to that letter.

Letter from Waste Management regarding expansion of the Cedar Ridge Landfill, stating that waste from Charlevoix County can still go to Waters, but that it would not make available landfill airspace capacity at the Waters Landfill in Crawford County for purposes of Charlevoix County's current or future solid waste planning.

Sullivan stated there has been some subsequent discussions concerning this letter, and he thought the letter might be rescinded by Waste Management, based upon those discussions.

Letter of consistency was sent to Waste Management, addressed to Debbie Johnston, stating the Type A Transfer Station they are proposing is consistent with the Plan, as determined by the County Planning Commission on July 1, 1999.

Attitude Survey:

Staff stated we had mailed out 1508 surveys, and received just over 50% back, which are being tabulated. Cooperative Extension is doing this for us, and have said they

should be finished with the tabulation shortly. Staff stated he had looked at a number of the replies, and stated a lot of them are supportive.

Host Community Agreement:

The sub-committee dealing with this has been meeting, and gave an update on what had occurred at the meetings. The sub-committee said it was an ongoing discussion, and it has been difficult, with the June 2nd Waste Management letter we received was viewed as not pleasant and possible extortion. The sub-committee did respond, and the committee feels the next meeting should see these points beginning to jell.

Sullivan stated Waste Management indicated they are willing to rescind the June 2 letter, and are willing to provide 20 years of capacity to be used by Charlevoix County, at the Waters facility. It was felt this would be binding, so we don't get in the position presented by the letter.

Sullivan had spoken with DEQ concerning the ability of Waste Management to deny Charlevoix County the use of the Waters Facility. He stated this is a concern he has.

Pizzurro stated the decision was made today to allow their trucks to go back in there today. Sullivan asked if the landfill was open for everyone. Pizzurro stated he did not know, he just knew that he could take his trucks back in.

In going through the import/export authorizations, page 7 should be changed as shown on the attached page, based on discussion at the July 12 meeting.

It was moved by Don Smith, supported by Randy Frykberg, that we delete 100% for Antrim, Emmet, Manistee, Montmorency, and Oscoda, and accept 70 yards per day unless home base is located in Charlevoix County. If that is the case, an unlimited quantity could flow through the Transfer Station. Motion carried.

Motion by Randy Frykberg, supported by Tad Malpass, to amend the authorized daily quantity from 70 cu yds to 100 yards per facility. Motion carried with 1 opposed.

On Table 1-B-4, Randy Frykberg moved supported by Don Smith, that any transfer station which accepts waste from a mechanically unloaded vehicle shall be required to be licensed as a Type A Transfer Station, by January 1, 2003.

Motion carried. One nay.

Following a brief discussion, it was moved by Don Smith, seconded by Nancy Ferguson to use the same wording in Type A Transfer Stations as was used in Type B Transfer Stations. Motion carried.

Discussion was held on the differences between the requirements for siting criteria for Type II and Type III Landfills. The Plan and any host community agreement can require the same siting criteria for a Type III Landfill as for a Type II Landfill. It was stated that construction waste is allowed to go into a Type II facility.

ick, and Phil Johnson voting no. It was 6 no and 6 yes. Motion failed
tie vote.

asked if Waste Management would go for the Type II at a later
e. Pizzurro stated that is not going to happen.

ivan stated they would have to go through the permitting process to
any facility. He stated it is very difficult to determine how much
struction demolition waste goes to a facility. He said you could not
ermine how much is 50 %, and thought it would be better to set the
ount of yards from the counties that are allowed in annually.

ussion took place on what happens after the landfill closes, the site still
ds to be monitored. They have to monitor it for 30 years, but if a Type
is out there, it would still keep Waste Management there, making sure
facility is still working properly. This is a concern that WATCH has.
y will be meeting on this in the future.

ry Cooney, of Waste Management, stated this will be the last request
arlevoix County will get for this facility, and they will put that in writing.
stated he did not know how many acres, or the configuration at this

dborg stated that in the past, Waste Management was willing to offer
roperty guarantees, and wondered if they were still willing to do that.
aste Management stated they are.

was reiterated that the Transfer Station would be sited on the permitted
nsed 40-acre site, where the maintenance and offices are now.

oved by Don Pizzurro that Vic Patrick and Paul Lindberg be appointed to
rve on a committee to establish a host community agreement, and bring
at agreement back to the committee for consideration. Supported by
in Skrzeczkoski. Motion carried with 1 no vote.

ne meeting will be held on June 16.

ansfer Station Type B's were discussed next. Sullivan read from the
ar listing those that are in the plan.

There is a law that is coming on the books, that will require hand unloading of trucks at a Type B Facility, which may allow more counties to bring waste in.

Ferguson moved to make the wording the same as on page 1. The motion died for lack of a second.

Motion by Don Pizzurro, supported by Tom Rankl, to move Emmet County from contingency to primary. Motion carried.

On page 4, the first O, should read "may include".

Following a discussion, a motion was made by Frykberg, supported by Richardson, to delete the second O on page 4, concerning manually unloading at Type B Transfer Stations.

Motion carried.

Discussion took place on import volume authorization of solid waste to Type A Transfer Stations, listed in Table 1-B-3.

Motion made by Don Pizzurro, supported by Tom Rank, to delete Manistee, Montmorency, and Oscoda, referring to 4.2 strategy.

Ralph Richardson left the meeting at 9:36 p.m.

Motion failed on a 5-6 vote, with Frykberg, Lindberg, Skrzeczkoski, Smith, Ferguson, and Kurtz voting no; and Pizzurro, Rankl, Malpass, Patrick, Johnson voting yes.

Discussion took place on how contingency facilities would work with the plan.

It was stated that if we open it up to more counties, there will be a lot more trucks coming in.

Motion by Frykberg, to adjourn at 9:42 p.m., with the next meeting to be held on June 21, 1999. Chairman Johnson indicated we would begin on Table 1-B-3 at that time.

Motion supported by Tad Malpass. Motion carried.

ff stated the committee could change any portion of the plan any way / wanted to, concerning the import/export. He went over the /ingency counties listed in the plan.

port into Charlevoix County of Type II waste was changed with Antrim / Emmet Counties being listed as primary, and all others listed as /tingency.

was stated that the way this reads, is not the way the motion made by / Committee previously read.

ff was asked to eliminate everything but Emmet and Antrim for import / poses only to any landfill in the County

ved by Dan Skrzeczkoski, supported by Nancy Ferguson, to change the / guage of the third condition under import authorization to read "At such / ie as the 40 acre parcel (known as Cedar Ridge Landfill) and / ensed as of January 1, 1999, is filled or reaches the capacity as per its / proved engineering plan in effect as of that date, Type II waste will no / nger be accepted from the above listed counties, or any other counties, / dposal in Charlevoix County. Motion carried.

rguson read motions from the previous meeting, clarifying what was / ing discussed.

aff will make the changes as suggested above by the Committee at this / eeting.

was noted the words "Type II" on page 3 in Goals and Objectives, / ould be changed to Type "III", in Strategy 1.5.

able 1-A-2 was gone over. Don Pizzurro would like the option to include / orthern Antrim County and southern Emmet County.

ollowing a discussion concerning the desire by Waste Management to be / ble to bring construction and debris into the Cedar Ridge Landfill in the / uture.

u stated she did not feel it was this Committee's job to have to / ualize other people's business concerns. Pizzurro stated that it seems

the Committee is trying to put the company out of business, with all the restrictions.

Ferguson asked if this is the place where we need to discuss this.

Motion by Don Pizzurro that the plan be amended to allow for inclusion of Emmet and Antrim County for Type III export to Charlevoix County, with the facility being buffered and screened. Supported by Randy Frykberg. Pizzurro stated it would not make economic sense to Waste Management or to builders to put a wall up on US 31 at Bay Shore and on the East Jordan/Ellsworth Road.

Kurtz stated that Eveline Township has provided for solid waste for all of these uses, and feels there are some ecological concerns with Type III wastes in this site. The traffic is also an issue if we have a Type III Facility at this location.

Kurtz stated that no one seems to want to accommodate the people who live in the area of the landfill. She stated their land is their investment, and it is a concern to the property owners.

Ferguson stated that Watch has discussed the issue, and they have some different ideas. One of the big ones was to limit the counties that could come to a Type III. She stated they also talked about if other counties should come in, there should be an enforced limit on the amounts coming in to Type A Transfer Stations. She went over Watch's recommendations and in return for Waste Management dropping the idea of a Type II.

Pizzurro stated that one county will not support a Type III facility, as it would not support a Type III. He stated there can be conditions on the number of counties allowed to use it, but it would not make economical sense to run the facility for one county.

Following the discussion, Dan Skrzeczkoski would like to limit to 12.6 acres, with surcharge on out of county waste, date for final closure, northern Antrim and southern Emmet County, tree berming, and that transfer station comply with siting criteria from new plan.

Question called, and on roll call vote, with Dan Skrzeczkoski, Nancy Ferguson, Prudence Kurtz, Paul Lindberg, Don Smith, and Ralph Richardson voting no, and Randy Frykberg, Don Pizzurro, Tom Rankl, Tad Malpass, Vic

IX COUNTY SOLID WASTE COMMITTEE

JUNE 7, 1999

MINUTES

at 7:00 p.m. Members present: Phil Johnson, Frykberg, Ralph Richardson, Prudence Kurtz, Paul Tad Malpass, Don Pizzurro, Don Smith, Dan Patrick.

ie Hass, Eric Strahl.

an, Terry Cooney, Debbie Johnston, Dave List, Nate Dave Barron.

ported by Frykberg, to approve the minutes as ed

ting Watch, discussed the future of the landfill, and could be gained by working with Waste Management, rather than working on legal terms, so have agreed to their concerns with Waste Management's proposal.

with the future of the landfill, they agree they are t to work with Waste Management to see if they can ent.

e Vermilya, on Onaway, praising the landfill, and pointing with Elk Run Landfill.

Sullivan stated some pieces of the Plan are missing, but they will be added in, based upon our discussion tonight. He began an overview of the material presented, including the data base, and current facilities, etc. He mentioned that Top Rank # 2 should be pulled from the existing facility and be put in the plan later on, as part of our Selected System. He listed the sites and went over where they are located. Page II-19 talks about collection services, and staff stated that if there are others, they should be added at this time.

A member stated that Waters is a facility that should be listed in the chart entitled "Solid Waste Collection Services" for all three haulers.

There should be a notation on Walloon Refuse as to where the waste is taken. Sullivan asked if Charlevoix County waste is being taken by Waste Management or Top Rank to the Emmet County Transfer Station. It was stated they both do.

Page II-20, the recycling facilities, Cedar Ridge is still accepting drop offs of recyclable materials.

Under the Recycling Collection Services Table, all of these listed end up at the Emmet County Transfer Station.

Yard waste is collected in the three cities, and Beaver Island does not collect it, but they do accept it at the transfer station.

Sullivan asked if the 5-yr. Lifespan for Cedar Ridge is still reasonable. It was agreed it is. He briefly went over the portions of the plan, and discussions occurred briefly on portions of it. Population changes were discussed, and the effects it has on solid waste.

Page II-24 starts the solid waste alternatives, developed primarily by RRSI. Staff made some changes to fit the material to our County. The section on import/export was discussed, and a question was asked if Cedar Ridge was allowed to expand, these counties could export waste to us. It was understood by some members that this was not the way it had been discussed. The concern was that if the expansion took place, all of the listed counties could dispose waste at Cedar Ridge.

CHARLEVOIX COUNTY SOLID WASTE PLANNING COMMITTEE
MARCH 20, 2000
MINUTES

A) CALL TO ORDER.

Meeting called to order at 7:31 p.m. by Larry Sullivan, Planning Director.

Members present: Dan Skrzeczkoski, Don Smith, Vic Patrick, Don Pizzurro, Nancy Ferguson, John Laney, Eric Strahl, Ralph Richardson, Tom Rankl, Jamie Hass.

Members absent: Phil Johnson, Paul Lindberg, Prudence Kurtz, and Randy Frykberg, (all excused).

Others present: Tom Wieland, Larry Levengood, Dan Duggan, Stephnie Glysson, Joe Tymoc, Leonard Zakrewski, Judy Jenkins, Nancy Dunham, and Larry Sullivan.

B) INTRODUCTION OF THE NEW MEMBER (JOHN LANEY).

C) ELECTION OF OFFICERS.

Nancy Ferguson took over the chair, in the absence of Chairman Johnson.

Moved by Dan Skrzeczkoski, supported by Ralph Richardson, to retain Phil Johnson as Chairman and Nancy Ferguson as Vice Chair. Motion carried.

D) APPROVAL OF MINUTES:

Motion by Dan Skrzeczkoski, seconded by Don Smith, to approve the minutes of the previous meeting as presented. Motion carried.

E. PUBLIC COMMENTS UNRELATED TO AGENDA ITEMS.

None.

F) CORRESPONDENCE:

Letter from Wayne County indicating that if we want to continue to send waste to Wayne County, we would have to let their waste come to our county. They asked for a response, and staff will respond according to what decisions are made on the solid waste plan.

Sullivan stated it is quite a distance to Wayne County but we could discuss this as we get further into review of the plan, specifically the section on Imports and Exports.

Sullivan stated he was contacted by the Boyne Valley Township Clerk, regarding comments they have and since they had a meeting conflict and were unable to attend the Public Hearing they would like to make their comments at tonight's meeting.

Staff mailed out a summary of the verbal comments received at the Public Hearing as well as written comments received prior to today to all committee members. This material was not a word for word transcript, but the substance of the comments regarding the draft Solid Waste Plan.

Steve Essling from Waste Management, in addition to making verbal comments at the meeting also faxed written comments to the Planning Department which were provided to the committee.

The second individual commenting at the Public Hearing was Wayne Vermilya, from Presque Isle County. He showed a video regarding geologic activity that occurred in the vicinity of the Allis Park Landfill recently. He also showed a map indicating where the landfill is, as well as conditions within a couple miles of the facility. Mr. Vermilya's major concern was that our draft plan does not require intercounty agreements, and that it is in conflict with the existing intercounty agreement between Charlevoix and Presque Isle County's. He raised concerns regarding the language in the plan to provide local units of government with the authority to adopt ordinances that may be unenforceable under Part 115 of the Natural Resources and Environmental Protection Act. He also believes the plan attempts to improperly restrict the siting of solid waste disposal facilities in Charlevoix County.

Mr. Essling questions the calculations in terms of pounds of waste generated per person per day. He stated the calculations are lower than the Environmental Protection Agency is using. Staff stated our calculations were broken down by residential, commercial, industrial and special wastes, rather than being combined into one lump sum and then being divided by the population of the county as is done in many areas. Essling also stated Waste Management disagrees with allowing a hauler to include two transfer stations in the plan that are contiguously located and owned by the same person. He felt this violated the DEQ operational memo regarding what is a Type A versus a Type B transfer station. He stated Waste Management's decisions regarding attempted landfill expansion requests have been based upon language in the current plan which states the Cedar Ridge Landfill may be used to handle the solid waste needs of the county for a 5 to 20 year time period. Sullivan noted the plan does contain language to that effect but also specifies the landfill will be limited to the existing 40 acre site. The length of life for the facility depends on the amount of waste that goes into the landfill, a management decision of the company that operates the landfill.

Regarding the material handed out at this meeting. A part of the Waste Management packet is a copy of a letter sent to Sullivan on September 2, 1999, which was from the Waste Industry Association of Michigan. He also received essentially the same letter, with a different date today from the Waste Industry Association of Michigan. Waste Management attached an operational memo from the MDEQ concerning Type A versus Type B Transfer Stations.

Discussion took place on the information within the letters from the Waste Industry Association. Sullivan stated the letter is not based upon a review of our plan but basically telling us we have to conform with the Association's interpretation of the law. He stated it is obvious this letter was not based upon a review of our plan but only a statement of the Waste Industry's position on a number of different issues.

G) NEW BUSINESS:

Ferguson asked for comments.

One member stated he felt we need to address the items addressed in the DEQ letter, although a lot of it is grammar or typo's.

Staff stated there were some new letters with comments received today. One was from Southdown, asking that we change all of the references to Medusa Cement Company to Southdown. Their other concern is in regards to their Type III Landfill and if it would be subject to the siting criteria contained in the draft solid waste plan. Sullivan stated we might want to discuss that further as we get into the review.

The other is a letter from Republic Waste Services, indicating they would like to see additional counties listed as primary importers into Charlevoix County and requesting all counties under export authorization on a contingency basis be changed to primary, to allow export to anywhere in the state. They are requesting specifically that the facility in Bay County be added to solid waste disposal areas located on pages 53 and 54.

A question was asked about some changes that had been previously mentioned. Sullivan stated he has them highlighted in the plan, and it would be best to deal with them when we get to that point.

The DEQ's comments on page three, was just sentence structure. Page 7, the last line at bottom of page has a minor language change needed. An issue was brought up today by a member of the audience that has some problem with the wording in the plan, because that person wanted to know if "county owned" in the plan means just owned or owned and operated. Sullivan felt it was not necessary to spell this all out, but to leave some flexibility. Staff felt there is a consensus that the committee feels "county owned" is sufficient.

Page 8, the first 2 paragraphs should be eliminated, and was part of the working document, and should have been deleted previously.

Dan had questions on Strategy 3.4 and 5, concerning the word encourage, which he felt should be required. Ralph said you could not change it in Strategy 3.5, because it is up to the DEQ to decide that. Sullivan stated he did not think the DEQ would have a problem with using required in these strategies.

Page 11, comments regarding solid waste generation data, and that it is, as he explained before, because the numbers were not divided out.

Page 15, following the second chart, there should be an asterisk after sand slag and other debris and Southdown kiln dust, to tie in with the asterisk on special wastes.

Page 16, reference the special wastes and use the same language as is on page 15.

Change all Medusa references to Southdown. Also next item below is an asterisk, staff suggested adding "upon the existing 40 acre site reaching capacity." Sullivan stated the county has no control over how the landfill operates as to how much it brings in. This is an attempt to clarify things for everyone.

The question was raised as to why no waste generation information was included for the Boyne Falls and Beaver Island School Districts. Sullivan stated the consultants (RRSI) actually conducted the waste generation survey and either the two schools were not surveyed due to their size or else they did not respond to the surveys that were sent out..

A question was asked by someone if we need to add in on page 16, the type III landfill allowed in the plan for Beaver Island. Sullivan said that would not be included as it is

not an existing landfill, but we will be doing work on page 54 to address that. The way the State wrote the guidelines, some facilities that are coming on line we included while others we are not sure of we did not include specific references to. On pages 17 through 20 we will make a change on the charts, taking x off special wastes, which basically is the recyclables, and the brush that is periodically burned on the Island. Sullivan stated he would like to remove all of the detailed facility descriptions as they take up a lot of room, but are required by the DEQ. Some material still needs to be added to these descriptions, and no maps have been included. Staff would rather not include the maps, and it was agreed he would remove that wording. Richardson stated he could understand the information for those facilities in our County, but the State already has the information on the facilities in the other counties.

A member noted that this is what we are dealing with on page 26, 27, 30, 31, and 32. Sullivan stated that is correct, and on a related note which will show up later in our work, but wherever we talk about transfer stations or facility descriptions for transfer stations, the State wants to know where the waste will be disposed of. Sullivan stated he did not feel it was necessary to indicate which facility it will be going to, as that changes, but rather state it will be sent to licensed facilities.

On page 32, we should eliminate the Rudyard table, because it is not licensed, and may never come to pass. Ralph asked if we have to put the asterisk for special waste on each page, or a special waste definition somewhere else. Sullivan stated we only have to put it on pages that have an x on the line to left of the category. We also received a phone call from a person employed with the Rudyard facility, and we need to check that information. He said he felt it is safe to eliminate the Rudyard facility.

Page 37, the comments that all alternatives should be listed in this section, not only the selected alternatives. Staff will go through and fill these in. Page 39, a reference to Appendix B should read Appendix A.

Page 43 the import authorization, staff feels it would be worthwhile to change Leelanau County from contingency to primary and to leave the Manistee, Montmorency and Oscoda as contingency, for purposes of being able to export waste from their county to a Type II Landfill in Charlevoix County.

Sullivan stated they do want reciprocity back and forth, and it would be a good move on the part of the county to allow the free flow back and forth in case that facility and the facility in Charlevoix County are owned by separate entities, they would have some competitive advantage in choosing which to use.

We also received a comment from Republic Waste that they would like to see additional counties being listed as being allowed to accept waste generated in Charlevoix County (i.e. more counties as importers). This will be good to keep in mind as we get on later in the plan.

Sullivan stated that the other counties' plans have not been finished, but we will be sending letters out to those counties, that we have referenced, as we complete our plan.

A representative of Republic Waste owner of the Elk Run Landfill in Presque Isle County stated the letter does not request a change for importation into Charlevoix County, but rather for export, from Charlevoix County to other counties around the state. Republic is having discussions with Bay County to make sure Charlevoix County is included in their plan.

The committee felt it would be useful to change Leelanau County from a contingency to primary county on the export list on page 43, dealing with landfills.

A concern was raised with this that if we end up getting a landfill, would we be a primary for 100 % of their waste? Richardson stated that it may be such if Charlevoix has its landfill, it might need the volume.

It was requested that we put an asterisk by this one and come back to it. Sullivan stated we could. Sullivan stated he could make some decisions, but he would put asterisks by those that need committee action.

On page 45, concerning two conditions which tries to address the issue the DEQ is trying to address in its operational memo regarding Type A versus Type B. He can change this by adding another letter. The state also made comments on defining contingency disposal. It is one of their terms, so Sullivan will include their terms in the Plan. On page 47, staff will define other conditions. On 48, change the two O's and add another letter to the table. The Committee thought that was already pretty clear. Sullivan stated he would check with DEQ and take care of what is needed.

Sullivan stated it might be appropriate for Leonard Zakrewski to give his comments at this time. Leonard questioned the committee at whether or not the County has a site picked out. Sullivan stated no, but we would have to look at siting criteria, narrow it down to whatever number would be in the county and go from there. The decision would be made by the County Board of Commissioners, based upon sites that meet the siting criteria. Staff explained the process within the plan would have to be followed and the criteria would have to be met.

The language currently contained within the draft plan does not mean the County is going to site a landfill, but could do so if the need arose. If there were a county owned facility, the plan would state which counties the waste could come from. Leonard stated another concern of Boyne Valley Township is the funding of a county landfill. Sullivan responded the committee would deal with that issue shortly.

Page 50, is where the comment received from Republic Waste would fit. It deals with the export, and the questions would be dealt with on Page 2a and 2b regarding the future export of waste. Republic stated they are requesting that all counties be listed as primary on pages 50 and 51 and the same on 52 and 53. One member did not like that option at all, because anyone could bring waste here. Sullivan stated that it does not necessarily mean that it has to go both ways. This only lists facilities for export from Charlevoix County.

It was agreed that all of the counties could be changed to primary to accept waste for export from Charlevoix County. It was stated that we would strike contingency as all are going to be listed as primary. Sullivan stated he could change the c to p and have the plan state that counties authorized as primary above may be use for disposal of solid waste provided it is allowed for in their plan.

Moved by Dan Skrzeczkoski, seconded by Tom Rankl, to change the designations to primary on pages 50 and 51. Motion carried 9 yes and 1 no.

Moved by Dan Skrzeczkoski, seconded by Ralph Richardson, to change designations to primary on pages 52 and 53. Motion carried with 8 yes votes and 2 no votes.

The committee concensus regarding Page 54, is to eliminate Rudyard, change Medusa to Southdown, eliminate EJ and BI and Charlevoix County Type II. Under the Type II, eliminate the County Type II facilities, and under Type A Transfer Stations, .

Bay County's White Feather Landfill has been asked to be listed as another option for waste disposal of Charlevoix's waste. The question was asked how difficult would it be to list all landfills in the State. Sullivan stated he could do this.

It was asked if we could add White Feather Landfill to the list and put in there, as well as any other facility in the State that we can get an agreement with.

Sullivan stated we could put a page in for White Feather, and check with the DEQ to see what else we should do. He stated he would ask for a list of all facilities within the State from the DEQ, and ask how to handle those, as he felt he did not want to have to have a page for each facility in the plan.

Sullivan was asked to do some work on this Section and report back at the next meeting.

Pages 55 through 75 are basically identically to that earlier section. On page 62, that should have actually read Charlevoix County, instead of Leelanau. We will make the same changes to this part, as we made in the first part.

Page 77, Sullivan will pull out language from the current plan, which talks about volume reduction, and insert that in at this location. From a cost standpoint, staff is not aware of bale fills that are occurring anywhere in the country.

Page 88, staff will make language changes to address that concern.

The State has a concern as to what WATCH is, the committee concluded that it should be spelled out each time it occurs.

Page 92, Jamie Hass requested that paragraph 6, starting with MIRIS maps, should be included in an appropriate spot, so he does not waste people's time, and in parenthesis after the wording, source of where the quote came from.

The question was asked, "Do we want to include that into paragraph 6 and also in the siting criteria as a definition?"

Jamie moved to add to paragraph 6, the DEQ's statement referencing MIRIS Maps, supported by Richardson.

A question was asked once the Plan is approved, is it the map currently in place, or if the State decides to update the map, will that one be used.

Hass stated the map that is approved is the one that will be used. Richardson stated that what they say in the second paragraph is that the approved map is the one used. Sullivan stated they could change it on a daily basis, or MIRIS may no longer exist.

Richardson stated he does not know the maps are incorrect. Sullivan stated the maps would be submitted with the plan. There was discussion as to whether you would submit an updated one if it were published. Sullivan went over the process of how the maps were produced.

Sullivan stated he would not want to reference a moving target. It would be like building a house to existing building codes, but needing to change the construction any and everytime the construction code were to change.

Sullivan will request updated map layers and bring them back to the next meeting.

Motion carried, to include the DEQ verbage on page 6, from the DEQ comments, with 9 yes votes and 1 no vote.

Paragraph 5, Sullivan saw no problem inserting that wording. He agreed with eliminating proximity to service area, as he does not think we will have multiple landfills being proposed. It was a consensus that this wording could be eliminating.

Sullivan asked the committee to mull over before the next meeting, the issue of siting distances for Type III Landfills, in light of the fact there may be a number of them needed. He stated the Committee might want to consider a reduction in the standards.

Sullivan was asked to develop language for siting criteria for monofills prior to the next meeting. The next meeting will be held at 7:00 P.M., on April 17, 2000.

Boyne Valley Township representatives were present and had concerns on the Type II Landfills. Leonald Zakrewski asked what the difference was between Type II and Type III Landfills. Sullivan explained that with waste from a specific industry, there is generally only one type of waste going into the Type III landfill and as a result, in most cases would not require as great a setback from water bodies, etc., and it is best to have Type III landfills located close to the source of the waste that is to be disposed in the landfill. How will the Type II Facility be financed that is provided for in the Plan? That decision would be made by the County Board of Commissioners. They will decide how to pay for it, and in all probability revenue bonds would be sold, and tipping fees would pay for them, as the facility operates.

It was stated that we could not put in the plan that it will be paid by tipping fees, as that would be up to the Board of Commissioners to decide.

Sullivan stated he understood Boyne Valley Township's concern is they would not want the county landfill to be funded by a millage, because they already have a millage to fund their transfer station and recycling operation. Another question from Boyne Valley was do we have a Type II Landfill located in the county, owned by Waste Management. Sullivan replied that we do, but they presently only accept waste from their own trucks and East Jordan Iron Works. They have approximately six months of life left as best we are able to determine.

H) ADJOURNMENT:

The meeting was adjourned at 9:35 p.m., by Nancy Ferguson.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Boyer Valley, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Boyer Valley, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Nancy Dunham

SECONDED BY: Susan Conklin

YEAS: - 4 -

NAYS: - 0 -

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Boyer Valley.

ON: June 26, 2000

Date

Nancy Dunham
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Chandler, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Chandler, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Myron Matz
SECONDED BY: Phyllis Pen Fold
YEAS: 5
NAYS: 0

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Chandler.

ON: June 13, 2000
Date

Mary Peters
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Charlevoix, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Charlevoix, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Nancy Rajewski

SECONDED BY: Theda Williams

YEAS: Stroud, Rajewski, Martin, and Williams

NAYS: None

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Charlevoix.

ON: June 12, 2000

Date

Carol Martin
Township Clerk

Please return 1 signed copy to the Planning Dept.



City of East Jordan

201 Main Street • P.O. Box 499
East Jordan, Michigan 49727-0499

City Hall

Tel: (616) 536-3381
Fax: (616) 536-3383

Resolution # 115/2000

**Offered for Adoption by Gee
Supported by Hoffman**

Resolution Approving the Charlevoix County Solid Waste Management Plan

WHEREAS, the City of East Jordan has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan, and

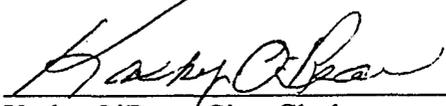
WHEREAS, the City Commission has reviewed the plan, and believes the plan will accommodate the solid waste generated in the County well in to the future.

THEREFORE BE IT RESOLVED the City of East Jordan hereby approves the Charlevoix County Solid Waste Management Plan.

Roll Call Vote:

Ayes: Gee, Cihak, Hoffman, Williams, Hammond & Mayor Klooster
Nays: None

I hereby certify that the forgoing is a true and complete copy of a resolution adopted by the East Jordan City Commission at a Regular Meeting, held Tuesday, June 20, 2000.



Kathy O'Rear, City Clerk



Date

EVELINE TOWNSHIP

RESOLUTION 2000-6-13

**RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN**

WHEREAS, THE TOWNSHIP OF EVELINE, OF CHARLEVOIX COUNTY, HAS HAD
NUMEROUS OPPORTUNITIES TO PROVIDE INPUT INTO THE DEVELOPMENT OF THE
COUNTY SOLID WASTE MANAGEMENT PLAN; and
WHEREAS, WE HAVE REVIEWED THE PLAN; AND
WHEREAS, WE BELIEVE THE PLAN WILL ACCOMMODATE THE SOLID WASTE
GENERATED IN THE COUNTY WELL INTO THE FUTURE;
NOW, THEREFORE, BE IT RESOLVED, THAT THE TOWNSHIP OF EVELINE, CHARLEVOIX
COUNTY, HEREBY GOES ON RECORD AS APPROVING THE CHARLEVOIX COUNTY SOLID
WASTE MANAGEMENT PLAN.

MOTION MADE BY HAYDEN

SECOND BY BEISHLAG

**YEAS: BEISHLAG, HAYDEN, SHERMAN, SKRZECZKOSKI, WILLSON
NAYS: NONE**

**I HEREBY ATTEST THAT THIS IS AN OFFICIAL RECORD OF THE ACTIONS OF
THE TOWNSHIP OF EVELINE**

ON: JUNE 13, 2000



**DONALD S. HAYDEN
TOWNSHIP CLERK**

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of HAYES, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
HAYES, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: ROBBIN KRAFT

SECONDED BY: TIMOTHY BOYKO

YEAS: DOUGLAS KUEBLER, FREDERICK PARSONS, TIMOTHY BOYKO, ROBBIN KRAFT,
ETHEL KNEPP (YEA)

NAYS: NONE

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF HAYES.

ON: JUNE 12, 2000

Date

Ethel R Knepp
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of MARION, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
MARION, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Joanne Jones

SECONDED BY: Wilson Boss

YEAS: Joanne Jones, Wilson Boss, Jerry Dohm

NAYS: Mitch Cunningham, Sonja Martin

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF MARION.

ON: JUNE 20, 2000
Date

Wilson Boss
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Melrose, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Melrose, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Al Deneau, Supervisor

SECONDED BY: Al Reeves, Trustee

YEAS: 5

NAYS: _____

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Melrose.

ON: June 13th, 2000
Date

Annette Longcore
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of PEAINE, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
PEAINE, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: FRANK BLATT

SECONDED BY: PAUL NELSON

YEAS: NELSON, M^CCAFFERTY, WORKS, BLATT

NAYS: NONE

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF PEAINE.

ON: JUNE 14, 2000
Date

Colleen In Martin
Township Clerk - DEPUTY

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of St. James, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
St. James, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: James Wojan

SECONDED BY: Gary Damstra

YEAS: 5

NAYS: -0-

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF St. James.

ON: 6/7/00
Date

Jean Palmer
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of WILSON, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
WILSON, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: RON REINHARDT

SECONDED BY: CAROL CLAVIER

4 YEAS: TODD SORENSON, CAROL CLAVIER, KERRI REINHARDT, RON REINHARDT

0 NAYS: _____

1 ABSTENSION: JON JASINSKI

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF WILSON.

ON: JUNE 6, 2000
Date

Carol Clavier,
Township Clerk

Charlevoix County Planning Department

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234

FAX 231 547-7217

April 20, 2000

Diane Rekowski
Northeast Michigan Council of Govts.
PO Box 457
Gaylord, MI 49735

Charlevoix County is nearing completion of its Solid Waste Management Plan. As a part of this plan, we are requesting letters from the authors of the respective county solid waste plan as to what quantities of waste can be shipped from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist regarding this possible movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed its doors to competing hauling companies. Recently it has decided to reopen its doors to its competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Leelanau County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes are generated as well, with all of it either going into or capable of being disposed of in Type III monofills located within Charlevoix County. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

We are desirous of a letter indicating to what extent the Montmorency County Solid Waste Management Plan will allow the shipment of waste from Charlevoix County in total, or on an annual basis, for the next 10 years, as well as any conditions that would

apply should it be necessary for waste to be shipped from Charlevoix to Montmorency County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSulliva@nwm.cog.mi.us.

Sincerely,

Larry Sullivan
Planning Director

cc: Sandy Cunningham

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Sandy Cunningham
Montmorency-Oscoda Landfill Authority
Montmorency County Courthouse Annex
PO Box 789
Atlanta, MI 49709

Dear Ms. Cunningham;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. The Montmorency-Oscoda Landfill in Montmorency County is one of the landfills we would like to include as being able to provide for all or a portion of our disposal needs for that period of time.

Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons. Of that quantity, 1,560,000 tons would be special wastes which are comprised of kiln dust from Southdown Cement Company and foundry sands from the East Jordan Iron Works. The 750,000 tons of kiln dust will be disposed of at the Southdown Type III facility. The East Jordan Iron Works will generate approximately 810,000 tons of foundry sands. The traditional household, commercial and industrial wastes generated in the county over the next 10 years would equate to 378,890 tons.

From the Montmorency-Oscoda Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from Montmorency County to ensure we would be in compliance with their Solid Waste Management Plan.

We are looking forward to your response.

Sincerely yours,

Larry Sullivan
Planning Director

cc: Diane Rekowski

ROGER D. FRYE, CHAIRMAN
DENNIS KAUFFMAN, VICE-CHAIRMAN
RAYMOND WEGMEYER, SEC./TREAS.
RICHARD E. HERMANSON
MICHAEL HUNT
TOM MULLANEY
ANDY CUNNINGHAM, EXEC. SECRETARY



P. O. Box 789, Atlanta, MI 49709

(517) 785-2066 Phone
(517) 785-4183 Fax

June 29, 2000

MEMO TO: All Haulers

County Boards of Commissioners (please forward to your designated Solid Waste Planning Official):

Emmet	Cheboygan	Presque Isle	Alcona County
Iosco	Ogemaw	Roscommon	Crawford
Otsego	Kalkaska	Grand Traverse	Benzie
Leelenau	Antrim	Charlevoix	Schoolcraft

FROM: Roger D. Frye, Chairman; Montmorency-Oscoda-Alpena Solid Waste Management Authority Board

Please be advised that the Landfill Authority Board, at their meeting held on 6/16/00, directed that all refuse haulers and County's with export authorization in our approved Solid Waste Management Plan be notified that, effective October 1st, 2000, all County's, with the exception of the Landfill Authority Board, Member-County's, be charged an additional \$2.00 per cubic yard for refuse delivered.

Therefore, effective October 1st, 2000, the gate rate for refuse delivered from all County's, with the exception of Montmorency, Alpena and Oscoda, shall be \$12.00 per cubic yard for refuse delivered to our facility for disposal.

In addition, the Board directed that you be advised that the Montmorency-Oscoda-Alpena Solid Waste Management Authority is not in a position to guarantee disposal capacity. We will continue to accept refuse from your County, however, we reserve the right to limit the quantity accepted.

We thank you for your patronage and look forward to working with you in the future, as capacity allows.

Larry Sullivan

Charlevoix County Planning Department

COUNTY BUILDING

CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Patrick Merrill
Crawford County
200 Michigan Avenue
Grayling, MI 49738

Dear Mr. Merrill;

Charlevoix County is nearing completion of its Solid Waste Management Plan. As a part of this plan, we are requesting letters from counties as to what quantities of waste they are willing to accept from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist in your Solid Waste Management Plan regarding this possible movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed its doors to competing hauling companies. Recently it has decided to reopen its doors to its competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Crawford County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes are generated as well, with all of it either going into or capable of being disposed of in Type III monofills located within Charlevoix County. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

We are desirous of a letter indicating to what extent your county would be willing to accept waste from Charlevoix County in total or

on an annual basis for the next 10 years as well as any conditions that would need to be complied with should it be necessary for waste to be shipped from Charlevoix to Crawford County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSulliva@nwm.cog.mi.us.

Sincerely,

Larry Sullivan
Planning Director

cc: Debbie Johnston

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Debbie Johnston
CES Landfill
Waste Management Inc.
11375 Sherman Road
Fredrick, MI 49733

Dear Mrs. Johnston;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. The CES Landfill in Crawford County is one of the landfills we would like to include as being able to provide all or a portion of our disposal needs for that period of time.

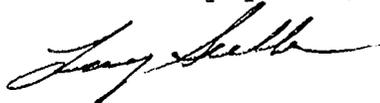
Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons. Of that quantity, 1,560,000 tons would be special wastes which are comprised of kiln dust from Southdown Cement Company and foundry sands from the East Jordan Iron Works. The 750,000 tons of kiln dust will be disposed of at the Southdown Type III facility. The East Jordan Iron Works will generate approximately 810,000 tons of foundry sands. The traditional household, commercial and industrial wastes generated in the county over the next 10 years would equate to 378,890 tons.

From the CES Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from Crawford County.

We are looking forward to your response.

Sincerely yours,



Larry Sullivan
Planning Director

cc: Pat Merrill



WASTE MANAGEMENT

11375 Sherman Rd.
Frederic, MI 49733
(517) 732-3553
(517) 732-1398 Fax

June 19, 2000

Mr. Larry Sullivan, Planning Director
Charlevoix County Planning Department
301 State Street
Charlevoix, MI 49720

**RE: Disposal Capacity
City Environmental Services, Inc of Waters**

Dear Mr. Sullivan:

The purpose of this letter is to respond to your request dated April 20, 2000 regarding the acceptance of Charlevoix County waste at City Environmental Services, Inc. of Waters (Waters Landfill) in Crawford County.

Waters Landfill has sufficient capacity to accept waste from Charlevoix County. The facility is capable of accepting the annual and ten year forecasted tonnage generation represented in you letter.

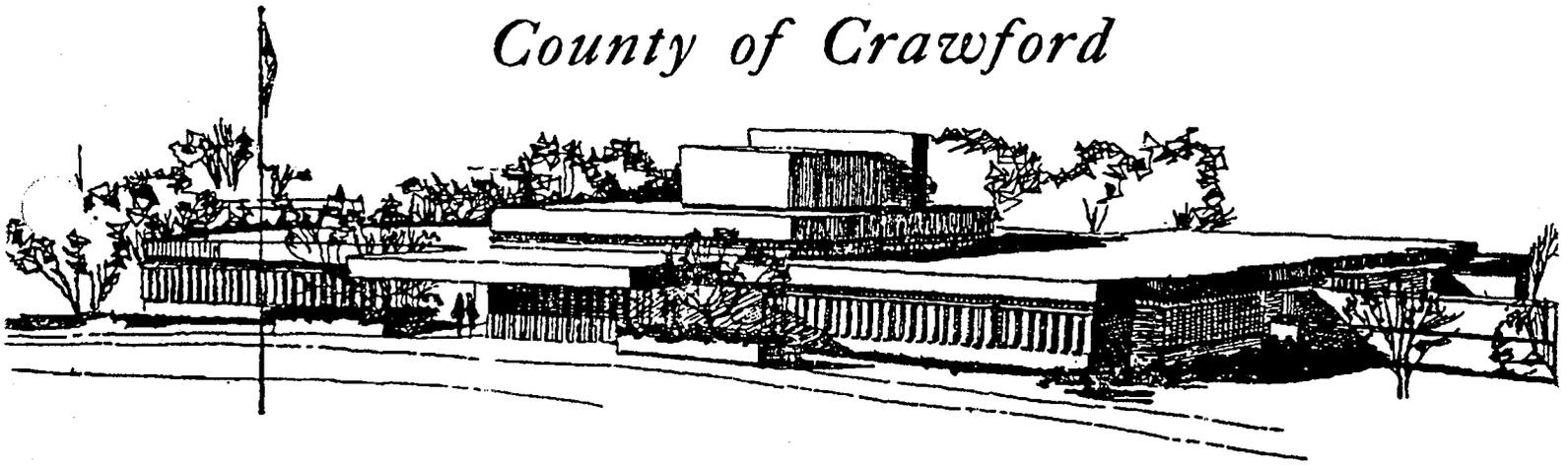
Feel free to call me if you require any other information for inclusion of Waters Landfill in the Charlevoix County Solid Waste Management Plan.

Sincerely,

Debora L. Johnston
Divisional Engineer

c: Terry Cooney, WM
Chad Crawford, Waters Landfill
Pat Merrill, Crawford County

County of Crawford



July 12, 2000

Larry Sullivan, Charlevoix County Planning Director
301 State Street
Charlevoix, MI. 49720

Dear Mr. Sullivan,

This correspondence is in regard to Charlevoix County's Solid Waste Management Plan Update. Under the Stipulated Order of Settlement (Case No. 95-6409 CK (D)), the Type II Landfill which operates in Crawford County is authorized to accept waste from Charlevoix County on a primary or contingency basis. There is no specific limit to the amount of waste that may be disposed of by Charlevoix County, but the total amount from counties other than Crawford and Otsego may not exceed 951,008 cubic yards.

Please feel free to call me if you have any questions, or require any additional information.

Sincerely,

Patrick Merrill

Patrick Merrill
Crawford County Environmental Monitor

Charlevoix County Planning Department

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234

FAX 231 547-7217

April 20, 2000

Stan Idziak
Solid Waste Management Unit
MI Department of Environmental Quality
PO Box 30473
Lansing MI 48909-7973

Charlevoix County is nearing completion of its Solid Waste Management Plan. As a part of this plan, we are requesting letters from the authors of the respective county solid waste plan as to what quantities of waste can be shipped from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist regarding this movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed its doors to competing hauling companies. Recently it has decided to reopen its doors to their competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Presque Isle County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes (foundry sands from the East Jordan Iron Works) are generated as well that will need to be disposed of in the quantity of 810,000 tons over the next ten years. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

We are desirous of a letter indicating to what extent the Presque Isle County Solid Waste Management Plan will allow the shipment of waste from Charlevoix County in total or on an annual basis for the

next 10 years as well as any conditions that would apply should it be necessary for waste to be shipped from Charlevoix to Presque Isle County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSulliva@nwm.cog.mi.us.

Sincerely,

Larry Sullivan
Planning Director

cc: Stephanie Glysson

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Stephanie Glysson
Elk Run Landfill
Republic Services of Michigan
PO Box 68
Wayne, MI 48184

Dear Ms. Glysson;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. The Elk Run Landfill in Presque Isle County is one of the landfills we would like to include as being able to provide all or a portion of our disposal needs for that period of time.

Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons. Of that quantity, 1,560,000 tons would be special wastes which are comprised of kiln dust from Southdown Cement Company and foundry sands from the East Jordan Iron Works. The 750,000 tons of kiln dust will be disposed of at the Southdown Type III facility. The East Jordan Iron Works will generate approximately 810,000 tons of foundry sands. The traditional household, commercial and industrial wastes generated in the county over the next 10 years would equate to 378,890 tons.

From the Elk Run Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from the Michigan Department of Environmental Quality who we understand is writing the Presque Isle County Solid Waste Management Plan.

We are looking forward to your response.

Sincerely yours,

Larry Sullivan
Planning Director

cc: Stan Idziak

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Stephanie Glysson
Whitefeather Landfill
Republic Services of Michigan
PO Box 68
Wayne, MI 48184

Dear Ms. Glysson;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. The Whitefeather Landfill in Bay County is one of the landfills we would like to include as being able to provide all or a portion of our disposal needs for that period of time.

Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons (or 6,116,670 compacted yards). Of that quantity, 1,560,000 tons (or 4,680,000 compacted yards) would be special wastes which are comprised of kiln dust from Southdown Cement Company (750,000 ton of kiln dust or 2,250,000 cubic yards) and foundry sands from the East Jordan Iron Works (810,000 tons or 2,430,000 cubic yards). The kiln dust would be disposed of at the Southdown Type III facility and the East Jordan Iron Works currently has agreements for the disposal of their sands and could if necessary construct a Type III Landfill.

From the Whitefeather Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from Bay County to ensure we would be in compliance with their Solid Waste Management Plan.

We are looking forward to your response.

Sincerely yours,

Larry Sullivan
Planning Director

cc: Valerie Keib

Charlevoix County Planning Department

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234

FAX 231 547-7217

April 20, 2000

Ms. Valerie Keib
Director
Bay County Environmental Affairs
515 Center Avenue
Bay City, MI 48708

Charlevoix County is nearing completion of its Solid Waste Management Plan. As a part of this plan, we are requesting letters from counties as to what quantities of waste they are willing to accept from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist in your Solid Waste Management Plan regarding this possible movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed its doors to competing hauling companies. Recently it has decided to reopen its doors to its competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Bay County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes are generated as well, with all of it either going into or capable of being disposed of in Type III monofills located within Charlevoix County. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

We are desirous of a letter indicating to what extent your county would be willing to accept waste from Charlevoix County in total or

on an annual basis for the next 10 years as well as any conditions that would need to be complied with should it be necessary for waste to be shipped from Charlevoix to Bay County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSullivan@nwm.cog.mi.us.

Sincerely,

Larry Sullivan
Planning Director

cc: Stephanie Glysson

would be willing to accept waste from Charlevoix County in total or on an annual basis for the next 10 years as well as any conditions that would need to be complied with should it be necessary for waste to be shipped from Charlevoix to Leelanau County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSullivan@nwm.cog.mi.us.

Sincerely,



Larry Sullivan
Planning Director

cc: Dave Barrons

Frykberg happy with Plan.

Ferguson asked if Sullivan is still planning to post the enforcement numbers to call when problems arise in the recycling program. He stated he will do that.

Motion by Dan Skrzeczkoski, supported by Randy Frykberg, to approve the Solid Waste Plan, as presented. Motion carried.

Sullivan stated there are still some minor changes and additions to the plan, which will be provided to the Committee, but the content will not be changed.

Next Monday night, the Planning Commission will act on it, then the County Board will act on it, and it will be sent out to townships, cities, and the Village of Boyne Falls.

Johnson stated the Plan needs to be sent to the Board by Friday, for action on the next Wednesday. He also thanked the members, on behalf of the Board, for the efforts they put in to get the plan finished.

Motion by Skrzeczkoski to adjourn at 7:38 p.m. Motion supported by Smith. Motion carried.

Charlevoix County Solid Waste Planning Committee
May 15, 2000

Minutes

Meeting called to order at 7:10 p.m., by Chairman Johnson.

Members present: Richardson, Skrzeczkoski, Johnson, Patrick, Smith, Strahl, Frykberg, Ferguson, and Kurtz.

Members absent: Rankl (excused), Lindberg (excused), Pizzurro, Laney, and Hass.

Minutes needing correction with wording from Commercial to Agricultural, in the paragraph beginning "Discussion took place.....". Motion made to approve the minutes as corrected.

The members were invited to make comments, and to state if they have problems with the Plan as mailed to them.

Richardson fine with the Plan.

Dan has two pages he has concerns on. First on page 57 – second line should be changed to read: "management needs for the solid waste generated within Charlevoix County for the next ten years.", dropping the words "five years and, if possible". The next was on page 98, under Disposal Areas, 4th paragraph, second sentence – should read "Private enterprise for monofills located within the County, provided the monofill is owned and operated by the company generating the waste disposed of in the monofill."

Ferguson had a question on page 92, pertaining to zoning. She asked if this is a State law. Sullivan stated he had spoken with the DEQ, and they had stated if it is allowed by right, it would be acceptable. It was suggested the wording be changed to: "Zoning – Landfills shall be located in zoning districts in which they are permitted as a use by right, or in any area zoned to allow agricultural, commercial, or industrial uses."

Sullivan stated the only Type II Landfill will be owned by the County, and the only Type III to be operated by private owners will be monofill.

Johnson is happy with it.

Patrick is happy with it.

Smith is generally happy.

Strahl stated that on page 38, words are transposed, and Sullivan will correct them.

Motion carried.

Sullivan was directed to meet and discuss with DEQ staff the remaining issues raised in the comment letter dated January 27, 2000, make appropriate changes to the plan and bring the changes back to the Committee for discussion.

New Business

None.

Adjournment

Dan Skrzeczkoski moved, seconded by Ralph Richardson, to adjourn at 8:52 p.m.
Motion carried.

Approved as changed

SOLID WASTE MINUTES
APRIL 17, 2000

Call to Order

Meeting called to order at 7:30 p.m., by Chairman Johnson.

Members present: Don Pizzurro, Prudence Kurtz, Tom Rankl, Raul Lindberg, Dan Skrzeczkoski, Eric Strahl, John Laney, Don L. Smith, Nancy Ferguson, Phil Johnson, Vic Patrick, Ralph Richardson.

Members absent: Randy Frykberg (excused), Jamie Hass.

Others present: Larry Sullivan.

Public Comments Unrelated to Agenda Items.

None.

Approval of Minutes of March 20, 2000

Motion made by Dan Skrzeczkoski, seconded by Ralph Richardson, to approve the minutes as presented. Motion carried.

Correspondence

None.

Old Business

Continued review of Solid Waste Plan Language.

Discussion took place regarding the DEQ's concerns, over the use of motion made by Dan Skrzeczkoski, seconded by Tom Rankl to eliminate the referenced to each zoning ordinance and insert language to allow landfills in areas zoned for ~~commercial~~ use.

agriculture

Motion carried with Kurtz voting no.

The Committee discussed the concern of the DEQ, regarding the vagueness of the utility language in the siting criteria, with the consensus being to eliminate references to utility availability.

Motion was made by Nancy Ferguson, seconded by Dan Skrzeczkoski, to eliminate items 1., 2., and 3. B, under the Section pertaining to local ordinances and regulations affecting solid waste disposal.

Charlevoix County Solid Waste Planning Committee
May 15, 2000

Minutes

Meeting called to order at 7:10 p.m., by Chairman Johnson.

Members present: Richardson, Skrzeczkoski, Johnson, Patrick, Smith, Strahl, Frykberg, Ferguson, and Kurtz.

Members absent: Rankl (excused), Lindberg (excused), Pizzurro, Laney, and Hass.

Minutes needing correction with wording from Commercial to Agricultural, in the paragraph beginning "Discussion took place.....". Motion made to approve the minutes as corrected.

The members were invited to make comments, and to state if they have problems with the Plan as mailed to them.

Richardson fine with the Plan.

Dan has two pages he has concerns on. First on page 57 – second line should be changed to read: "management needs for the solid waste generated within Charlevoix County for the next ten years.", dropping the words "five years and, if possible". The next was on page 98, under Disposal Areas, 4th paragraph, second sentence – should read "Private enterprise for monofills located within the County, provided the monofill is owned and operated by the company generating the waste disposed of in the monofill."

Ferguson had a question on page 92, pertaining to zoning. She asked if this is a State law. Sullivan stated he had spoken with the DEQ, and they had stated if it is allowed by right, it would be acceptable. It was suggested the wording be changed to: "Zoning – Landfills shall be located in zoning districts in which they are permitted as a use by right, or in any area zoned to allow agricultural, commercial, or industrial uses."

Sullivan stated the only Type II Landfill will be owned by the County, and the only Type III to be operated by private owners will be monofill.

Johnson is happy with it.

Patrick is happy with it.

Smith is generally happy.

Strahl stated that on page 38, words are transposed, and Sullivan will correct them.

Frykberg happy with Plan.

Ferguson asked if Sullivan is still planning to post the enforcement numbers to call when problems arise in the recycling program. He stated he will do that.

Motion by Dan Skrzeczkoski, supported by Randy Frykberg, to approve the Solid Waste Plan, as presented. Motion carried.

Sullivan stated there are still some minor changes and additions to the plan, which will be provided to the Committee, but the content will not be changed.

Next Monday night, the Planning Commission will act on it, then the County Board will act on it, and it will be sent out to townships, cities, and the Village of Boyne Falls.

Johnson stated the Plan needs to be sent to the Board by Friday, for action on the next Wednesday. He also thanked the members, on behalf of the Board, for the efforts they put in to get the plan finished.

Motion by Skrzeczkoski to adjourn at 7:38 p.m. Motion supported by Smith. Motion carried.

SOLID WASTE PLAN RESOLUTION

Whereas: Charlevoix County appointed a Planning Commission, under PA282, of 1945, for the purpose of developing long range plans to guide the growth and development of Charlevoix County, and

Whereas: the Charlevoix County Planning Commission has been appointed the Designated Planning Agency, and a Solid Waste Planning Committee has been appointed to assist with the development of the Solid Waste Plan, pursuant to PA 451, of 1994, and

Whereas: the Solid Waste Committee has developed a draft solid waste plan, and a public hearing has been duly noticed in accord with PA 282, and 451, and following the public hearing, the plan has been approved by the Solid Waste Planning Committee, following changes being made based upon comments received at said public hearing, and

Whereas: the Solid Waste Committee recommended adoption of this Plan by the Planning Commission and the County Board of Commissioners;

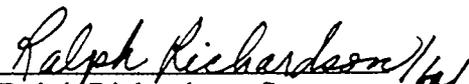
Now, therefore, be it resolved: the Charlevoix County Planning Commission hereby adopts this Solid Waste Management Plan, as a component of the Charlevoix County Comprehensive Plan, and recommends this plan also be adopted by the County Board of Commissioners;

Be it further resolved: following adoption of this plan, no work shall be initiated on any project involving the expenditure of public funds for the acquisition of land, erection of structures, extension construction, or improvement of any physical facility pertaining to solid waste by any county agency until such time as the Planning Commission has had sufficient time to review and comment upon said expenditures, pursuant to PA 282, of 1945, as amended.

Motion to adopt resolution made by Ralph Richardson, supported by Sandra Stanley.

Roll Call Vote:	Yes	No	Abstain	Absent
Jamie Hass				X
Dennis Jason				X
Larry Levensgood	X			
Curt Petrak				X
Ralph Richardson	X			
Sandra Stanley	X			
Tom Wieland.	X			

I certify that the above accurately reflects the actions of the Charlevoix County Planning Commission, at their meeting held on May 22, 2000.


Ralph Richardson, Secretary

RR/baf

Charlevoix County Planning Commission

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234

FAX 231 547-7217

SPECIAL MEETING

MAY 22, 2000

MINUTES

Meeting was called to order at 7:45 p.m., by Chairman Tom Wieland.

Members present: Tom Wieland, Ralph Richardson, Larry Levensgood, and Sandra Stanley.

Members absent: Jason, Hass, and Petrak (excused).

Others present: Sullivan, Planning Director; Duggan, Petoskey News Review.

Minutes:

Will be held over for the next meeting.

Solid waste minutes are provided, and it would be appropriate that the Planning Commission acknowledge that we received the solid waste minutes.

Sandra Stanley, moved, supported by Ralph Richardson, that we acknowledge the receipt of the minutes of the last solid waste committee, as the Plan is now completed, and the committee will not need to meet in the future. Motion carried.

Sullivan stated the Solid Waste Plan has been two years in the making, and has changed several times, as to recommendations, resulting from changes in the industry in the last few years. The Solid Waste Committee approved the plan at its meeting last Monday night (May 15, 2000). They are passing it on to the Planning Commission tonight, and if they approve it, it will go on to the County Board of Commissioners for its meeting on Wednesday.

Levensgood asked if anyone is planning on attending the Board meeting. Sullivan is planning to attend.

Motion by Richardson, supported by Stanley, to adopt the Solid Waste Plan Resolution. Motion carried with 4 yes, 0 no, 0 abstain, and 3 absent.

Richardson asked the Planner to explain the last paragraph of the resolution. Sullivan stated it is an excerpt from the County Planning Act, allowing a plan to be adopted in whole, or in part. This plan is advertised not only in accordance with Part 115 of PA 451 of 1994, the Solid Waste Plan for the Natural Resources Act, but also in compliance with the County Planning Act (PA 282 of 1945). This act requires that once a plan is approved, any expenditures in regard to the topic addressed in the plan is subject to review and approval by the Planning Commission, or a public hearing needs to be held prior to expenditures being made.

Levengood asked the Planner if there are any things in the Plan that we should be aware of that might come back and jump at us. Sullivan stated he does not think so. He stated the last plan seemed to take care of problems we had crop up. It does allow for the County to open up a Type II Facility if the need arises. Based upon information we have received from Leelanau County, Waste Management, and the State of Michigan, (about our ability to use the landfill in Presque Isle), also, the letter from Republic Industries stating they have provided for ten years of waste from Charlevoix County, in Elk Lake Run and the White Feather Facility (in Bay County). They (Bay County) are in the process of changing their plan to allow our waste to go there, so we have adequate space for our waste. The Plan provides a lot of flexibility as to where our waste can go. Because of the space that has been made available, we will not have to go through the annual capacity certification to the DEQ.

Levengood said that this means unless something drastic happens, we are taken care of. But what could happen to change that? Some companies may change their decision to haul waste from here, but Sullivan stated he feels comfortable with the promises made to Charlevoix, by these other counties.

Sullivan has sent letters to Crawford County, Clare County, and the manager of Waste Management, for capacity purposes, but has not received a reply back from them, at this time.

Discussion took place on who owns the different facilities, and how changes at those facilities would affect us. Richardson said he kept thinking about all of the illegal hauling to places we don't have agreements with, and maybe those companies will get caught in their own trap.

Levengood stated he wanted to discuss the meeting schedule for the cities, townships, and the Village of Boyne Falls. Sullivan stated he has spoken with Skrzeczkoski, and he will take care of the meeting with Eveline Township. He has a call in to Strahl, concerning the City of Boyne City. Sullivan invited all of the members who wanted to attend some of these meetings, to please do so. He stated he is contacting the townships to see if they feel it is necessary for someone to attend the meetings at which the Plan will be discussed.

Wieland stated he felt it was important to have someone go to the Island, because then the Plan can be explained and questions answered.

Sullivan thinks that Boyne Valley is one that might need someone there, to make sure they have a good understanding of it. He stated he is putting a better summary of the plan together than is included in the executive summary. He stated he is putting together a synopsis of what it says in language everyone can understand. We need 67% approval by the political jurisdictions, and would like to get more.

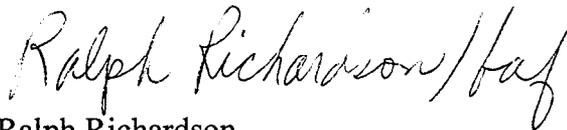
The next Planning Commission will be June 1, 2000. Sullivan will work out a strategy to make sure the approvals on the Solid Waste Plan take place. Sometimes if no one is at a meeting to present the plan, the community does not act upon it.

Sullivan stated that the office sent a letter to Charlevoix Township stating we need more information on cases we are asked to review. He stated the Serna Rezone in Charlevoix Township was only for part of the property, but it was not indicated which part in the material they gave us.

Regarding the MIRIS maps and Sears Creek, Sullivan met with the DEQ people and they indicated they hoped we were going to change the maps, as their staff walked through and they did not believe the area contained a creek. Sullivan asked if they walked through the other two creeks that are not shown on this map. He stated he also spoke with DNR and asked them what their position was on changing the map. Their position is that they are not going to change their maps, because they were based on the USGS 7 ½ Quadrangle, and if they get a new set of maps that shows no creek, they will change it, not until then.

Motion by Ralph Richardson, supported by Sandra Stanley, to adjourn at 8:30 p.m.
Motion carried.

Respectfully Submitted,



Ralph Richardson
Secretary

RR/baf

May 24, 2000

SOLID WASTE PLAN

R E S O L U T I O N

WHEREAS, the Solid Waste Committee has developed a draft solid waste plan and held a public hearing on it; and

WHEREAS, the Solid Waste Committee recommended adoption of this Plan by both the Planning Commission and the Charlevoix County Board of Commissioners; and

WHEREAS, the Planning Commission met in special session on May 22, 2000, and adopted the draft Solid Waste Plan as presented;

NOW THEREFORE BE IT RESOLVED, that the Charlevoix County Board of Commissioners upon the recommendations of the Solid Waste Committee and the Planning Commission, hereby adopt the Solid Waste Plan as presented.

Submitted by:

VICTOR PATRICK

CERTIFIED	
Jane E. Brannon, County Clerk	
<i>Cheryl D. Brannon</i>	7/12/00
DEPUTY	DATE

#00-027

CHARLEVOIX COUNTY BOARD OF COMMISSIONERS
MAY 24, 2000

The meeting was called to order at 7:00 p.m. by the Chairman in Boyne City. Present were Commissioners Johnson, Price, Behling, Patrick, Smith and Roloff, 6.

The Pledge of Allegiance was led by the Clerk.

MINUTES OF THE MAY 10, 2000 MEETING

Moved by Commissioner Price to approve the minutes of the May 10, 2000, Board of Commissioners meeting as presented.

VOICE VOTE: All in favor. Motion carried.

UNSCHEDULED PUBLIC COMMENT

Louis McKenzie, Veteran's Affairs Board member, handed out copies of the law pertaining to the appointment of the Veteran's Counselor. He feels that the Board went against the Veteran's Committee recommendation. He doesn't feel that the Board appointee will be able to do the job.

The Personnel Committee explained that this person will be reviewed in six months as is the county policy.

APPOINTMENT

The Chairman sought the confirmation of David Seeley to the Parks & Recreation Commission and of Ted Sherman to the Economic Alliance. Moved by Commissioner Smith to confirm the appointments. VOICE VOTE: All in favor. Appointments confirmed.

RESOLUTION--TAX LIMITATION ADVISORY RECOMMENDATION (#00-026)

Moved by Commissioner Price that the following resolution be adopted:

WHEREAS, the Charlevoix County Board of Commissioners has received the Tax Limitation Advisory Committee Allocation of the 5.9 mills; and

WHEREAS, the Committee recommends that the tax limitation be set at a total of 5.9 mills with the County receiving 4.70 mills, Townships, 1.00 mill and the Intermediate School District, .20 mill;

NOW THEREFORE BE IT RESOLVED, that the Charlevoix County Board of Commissioners hereby concurs with the recommendation of the Tax Limitation Advisory Committee setting the fixed millage rate and authorizes the Clerk to place this issue on the August 8, 2000, Primary Ballot for a four year time period, 2001, 2002, 2003, 2004. VOICE VOTE: All in favor. Motion carried.

RESOLUTION--SOLID WASTE PLAN (#00-027)

Moved by Commissioner Patrick that the following resolution be adopted:

WHEREAS, the Solid Waste Committee has developed a draft solid waste plan and held a public hearing on it; and

WHEREAS, the Solid Waste Committee recommended adoption of this Plan by both the Planning Commission and the Charlevoix County Board of Commissioners; and

WHEREAS, the Planning Commission met in special session on May 22, 2000, and adopted the draft Solid Waste Plan as presented;

NOW THEREFORE BE IT RESOLVED, that the Charlevoix County Board of Commissioners upon the recommendations of the Solid Waste Committee and the Planning Commission, hereby adopt the Solid Waste Plan as presented. VOICE VOTE: All in favor. Motion carried.

DISCUSSION

The Board members discussed various options available to people regarding fixing up county roads, such as bond issues or millage.

CORRESPONDENCE AND COMMUNICATIONS

Correspondence was received from Arenac County, County Line Bulletin and from Eveline Township regarding the resignation of their Township Supervisor, David Willson. All items of correspondence were reviewed and either referred to the appropriate committee or filed.

OTHER REPORTS

Commissioner Roloff reported that she went to Beaver Island with the Housing Coalition members and other groups. This was a two day meeting and the needs of Senior Citizens were discussed. She also reported that there is a problem with officers not being able to get a key to the Humane Society.

Commissioner Smith reported that P.A. 511 problems have been resolved.

Commissioner Patrick reported on an lengthy Sanitary Appeal that is still ongoing.

Commissioner Price reported on the progress at the jail. It is moving along faster than it was.

Moved by Commissioner Price that this session of the Board of Commissioners be adjourned.

PHILLIP R. JOHNSON, CHAIRMAN

JANE E. BRANNON, COUNTY CLERK

CERTIFIED	
Jane E. Brannon, County Clerk	
<i>Cheryl B. Brannon</i>	7/12/00
DEPUTY	DATE

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The City of Charlevoix, of Charlevoix County has
had numerous opportunities to provide input into the development
of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the City of Charlevoix,
Charlevoix County, hereby goes on record as approving the
Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Council member Campbell

SECONDED BY: Council member Carlson

YEAS: Council members Witthoëft, Carlson, Campbell and Bellows

NAYS: Council members Chamberlain and Barnes

I hereby attest that this is an official record of the actions of
the CITY OF Charlevoix.

ON: July 12, 2000

Date

Bea Patron
City Clerk

Beatrice K. Patron

Please return one signed copy to Planning Dept.



City of Boyne City

319 N. Lake Street

Boyne City, Michigan 49712
www.boyne-city.com

Phone 231-582-6597
Fax 231-582-6506

**CITY OF BOYNE CITY
COUNTY OF CHARLEVOIX**

Resolution No. 0013-2000

CHARLEVOIX COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, the City of Boyne City, Charlevoix County, has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan; and

WHEREAS, the City of Boyne City has reviewed the plan and believes the plan will accommodate the solid waste generated in the County well into the future;

NOW, THEREFORE, BE IT RESOLVED that the City of Boyne City, Charlevoix County hereby goes on record as approving the Charlevoix County Solid Waste Management Plan.

ROLL CALL

Aye: Standen, Vondra, Grunch, Ruggles, Stackus.

Nay: None.

Abstain: None.

Absent: None.

RESOLUTION DECLARED ADOPTED.

Sue Hobbs

Sue Hobbs
Boyne City Clerk

I, Sue Hobbs, City Clerk of the City of Boyne City, County of Charlevoix and State of Michigan, hereby certify that the above is a true and complete copy of certain proceedings taken by the City of Boyne City at its regular meeting held Tuesday, June 27, 2000, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act 267 of the Public Acts of Michigan of 1976, and the minutes of said meeting were kept and will be or have been made available as required by said Act.

Sue Hobbs

Sue Hobbs Boyne City Clerk

June 29, 2000

Date

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of BAY, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
BAY, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: CHRISTOPHER L. MONK

SECONDED BY: LARRY H. BERGMANN

YEAS: SIMMONS, CHIPMAN, BERGMANN, MONK

NAYS: NONE

Abstain: Moeschke

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF BAY.

ON: JUNE 8 2000
Date

David L. Simmons
Township Clerk

DAVID L. SIMMONS

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Village of Boyne Falls, of Charlevoix County has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the plan will accommodate the solid waste generated in the County well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Village of Boyne Falls, Charlevoix County, hereby goes on record as approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Kevin Gaskowski

SECONDED BY: Bill Carson

YEAS: 4

NAYS: 0

I hereby attest that this is an official record of the actions of the VILLAGE OF BOYNE FALLS _____.

ON: 6-26-00

Date

Marilyn Cousineau
Village Clerk

Please return one signed copy to Planning Dept.

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Trudy Galla
Director
Leelanau County Planning Department
PO Box 546
Leland, MI 49654-0546

Dear Mrs. Galla;

Charlevoix County is nearing completion of it's Solid Waste Management Plan. As a part of this plan, we are requesting letters from counties as to what quantities of waste they are willing to accept from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist in your Solid Waste Management Plan regarding this possible movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed it doors to competing hauling companies. Recently it has decided to reopened their doors to their competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Leelanau County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes are generated as well, with all of it either going into or capable of being disposed of in Type III monofills located within Charlevoix County. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

We are desirous of a letter indicating to what extent your county

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 19, 2000

Dave Barrons
Glen's Landfill
Waste Management Inc.
518 E. Traverse Highway
Maple City, MI 49664

Dear Mr. Barrons;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. Glens Landfill is one of the landfills we would like to include as being able to provide all or a portion of our disposal needs for that period of time.

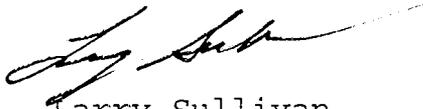
Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons. Of that quantity, 1,560,000 tons would be special wastes which are comprised of kiln dust from Southdown Cement Company and foundry sands from the East Jordan Iron Works. The 750,000 tons of kiln dust will be disposed of at the Southdown Type III facility. The East Jordan Iron Works will generate approximately 810,000 tons of foundry sands. The traditional household, commercial and industrial wastes generated in the county over the next 10 years would equate to 378,890 tons.

From Glen's Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from Leelanau County.

We are looking forward to your response.

Sincerely yours,



Larry Sullivan
Planning Director

cc: Trudy Galla

Leelanau
County
Planning
Department



113 S. Grand Ave.
P.O. Box 546
Leland MI 49654-0546
231-256-9812
231-946-1162 Ext. 812
Fax: 231-256-0174

Trudy J.C. Galla, AICP
Planning Director

Matthew R. Fortunak
Senior Planner

Karen J. Gleason
Secretary

Ron Crummel
Housing Coordinator

Address Administration
Census Data
Economic Development
GIS Data
Growth Management
Housing Program
Land Use Issues
Mapping
Master Plans
Planning Commission
Recycling
Solid Waste Issues
Statistics
Transportation

April 24, 2000

Larry Sullivan, Planning Director
Charlevoix County
County Building, 301 State Street
Charlevoix, MI 49720

Dear Larry Sullivan:

The Leelanau County Solid Waste Management Plan, as updated in 1998, identifies your county for waste importation and exportation contingent on a signed reciprocal agreement on file with the Michigan Department of Environmental Quality (DEQ). At this time, there is no such signed agreement between our two counties. Recently, a situation arose where a company in another county wanted to dispose of material at Glen's Sanitary Landfill in Leelanau County. Since no reciprocal agreement was on file with that county, the DEQ prevented the waste from entering the landfill.

Enclosed are two copies of the reciprocal agreement approved by the Leelanau County Solid Waste Management Planning Committee. If Charlevoix County wishes to enter into the attached reciprocal agreement, please have both copies signed and returned to me. Both copies will be signed by the Chairperson of the Leelanau County Board of Commissioners and one will be returned to you. If you have any questions or comments regarding this matter, please feel free to contact me at (231) 256-9812.

Sincerely,



Matthew Fortunak

W

GLEN'S SANITARY LANDFILL
A WASTE MANAGEMENT COMPANY

518 East Traverse Hwy.
Maple City, MI 49664
(231) 228-5961
(231) 228-5991 Fax

Larry Sullivan
Planning Director
Charlevoix County Planning Dept.
301 State St.
Charlevoix, MI. 49720

4/27/00

Dear Mr. Sullivan,

Per the requirements of the DEQ County Solid Waste management plans "plan Format" Section III-28 "Siting review procedures", and section D-3 "listed Capacity", Glen's landfill submits the following.

Glen's Landfill is located in Leelanau County and operates under the recently DEQ approved and updated county solid waste plan. In that approved plan update, Charlevoix County is listed as a contingency. Under Glen's existing 133 acre DEQ expansion permit, and subsequent licensing program, we can supply your county with 10 years of airspace for part of or all the volume you mention in your letter dated April 19, 2000.

Please feel free to call me with any questions at. (231) 228-6725 Ext. # 103.

Sincerely,



Dave Barron
Site Manager

Cc: Trudy Galla, Leelanau County Planning Director
File

Solid Waste Reciprocal Agreement

WHEREAS, Charlevoix County, as well as all counties in the State of Michigan, are required by Part 115 of Act 451, P.A. 1994 and Act 641, P.A. 1978, as amended, to update the current Solid Waste Plan, and;

WHEREAS, Charlevoix County and Leelanau County are responsible for the final deposition of all waste generated in their respective counties, and;

WHEREAS, Part 115 of Act 451, P.A. 1994, and Act 641, P.A. 1978, as amended, require that both the receiving and the sending county's solid waste management plan include the mechanism for a signed agreement between the two counties prior to any shipment of solid waste,

THEREFORE, BE IT RESOLVED, THAT Charlevoix County will agree to accept solid waste from Leelanau County so long as Charlevoix County has an approved solid waste disposal site that is open for public use.

BE IT FURTHER RESOLVED, THAT Leelanau County will agree to accept solid waste from Charlevoix County so long as an approved solid waste disposal site exists in Leelanau County that is open for public use.

BE IT FURTHER RESOLVED, THAT Charlevoix County agrees to establish and maintain a program for diverting a portion of its waste from landfill facilities and send its ANNUAL PROJECT UPDATE AND PROGRESS REPORT to Leelanau County. The waste diversion program must be acceptable to Leelanau County and shall contain, at a minimum, the following four (4) items:

1. Public Education Program

Charlevoix County shall participate in a program to inform the public of proper disposal methods for various wastes so that no improper wastes are disposed of in the landfill. The educational program shall also inform the public as to the importance of recycling and how the public can participate.

2. Recycling Program

The Charlevoix County recycling program shall include a sufficient number of drop-off sites or sufficient curbside recycling to provide the public with an opportunity to participate in the program.

3. Composting Program

Charlevoix County shall establish or participate in a composting program to prevent yard waste and other organic wastes from being disposed of in the landfill.

4. Household and Agricultural Hazardous Waste Collection

Charlevoix County shall conduct or participate in at least one (1) household and agricultural hazardous waste collection day per year. The collected wastes shall be disposed of at a facility licensed to receive that type of waste.

BE IT FURTHER RESOLVED, THAT CHARLEVOIX County agrees to implement a waste diversion program, as outlined above, within one (1) year of the adoption of the Leelanau County Solid Waste Management Plan 1998 Update.

BE IT FURTHER RESOLVED, THAT this agreement is valid until the next revision of the Leelanau County Solid Waste Plan is approved. However, either county may give one-hundred eighty (180) days written notice of intent to terminate this agreement to allow the other party time to develop another source for solid waste disposal. Each county will save and hold the other county harmless from any and all liability actions arising from the disposal of solid waste.

FOR CHARLEVOIX COUNTY

FOR LEELANAU COUNTY

Chairman
Charlevoix County
Board of Commissioners

Jean I. Watkoski, Chairperson
Leelanau County
Board of Commissioners

Date

Date

6/6/00

We are desirous of a letter indicating to what extent your county would be willing to accept waste from Charlevoix County in total or on an annual basis for the next 10 years as well as any conditions that would need to be complied with should it be necessary for waste to be shipped from Charlevoix to Clare County.

Should you have any questions, feel free to contact me at the number listed above or by e-mail at LSulliva@nwm.cog.mi.us.

Sincerely,

Larry Sullivan
Planning Director

cc: Debbie Johnston

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Charles Pardue
Drain Commissioner
Clare County DPW
PO Box 438
Harrison, MI 48625

Dear Mr. Pardue;

Charlevoix County is nearing completion of its Solid Waste Management Plan. As a part of this plan, we are requesting letters from counties as to what quantities of waste they are willing to accept from Charlevoix County on an annual basis over the next ten years, as well as any conditions that might exist in your Solid Waste Management Plan regarding this possible movement of solid waste.

At the current time, Charlevoix County contains a licensed Type II landfill which is nearing capacity. In the past, this facility has closed its doors to competing hauling companies. Recently it has decided to reopen its doors to their competitors. According to the MDEQ staff, we have no control over the decisions of this nature by the owner of a landfill. The recent mergers in the waste industry and concerns over a reduction in competition in the waste industry has raised the issue of adequate disposal as well as the ability to send waste to numerous facilities owned by different companies, both today and in the future.

For these reasons, our Draft Solid Waste Management Plan provides for import of and export of solid waste with a number of counties of which Clare County is one. Our plan also provides for a county owned landfill to be constructed within Charlevoix County. We believe that solid waste is a public health issue as well as having economic ramifications.

Charlevoix County is expected to generate approximately 378,890 tons of traditional household, commercial and industrial wastes over the next 10 year time period. Additional special wastes are generated as well, with all of it either going into or capable of being disposed of in Type III monofills located within Charlevoix County. While we project the above mentioned quantities of waste to be generated, we also expect a portion of this waste to be recycled through our expanded recycling program which is currently under development.

Charlevoix County Planning Department

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

April 20, 2000

Debbie Johnston
Northern Oaks Landfill
Waste Management Inc.
PO Box 813
Harrison, MI 49733

Dear Mrs. Johnston;

We are in the process of completing the Charlevoix County Solid Waste Management Plan. As a part of the plan, we would like to demonstrate that disposal capacity exists and is available for use by Charlevoix County for the next 10 years. The Northern Oaks Landfill in Clare County is one of the landfills we would like to include as being able to provide all or a portion of our disposal needs for that period of time.

Based upon current calculations, we estimate the total amount of waste to be generated in Charlevoix County during the ten year time period to be 2,038,890 tons. Of that quantity, 1,560,000 tons would be special wastes which are comprised of kiln dust from Southdown Cement Company and foundry sands from the East Jordan Iron Works. The 750,000 tons of kiln dust will be disposed of at the Southdown Type III facility. The East Jordan Iron Works will generate approximately 810,000 tons of foundry sands. The traditional household, commercial and industrial wastes generated in the county over the next 10 years would equate to 378,890 tons.

From the Northern Oaks Landfill, we are interested in knowing how much waste, if any, your firm would be willing to commit to accepting, both annually and in total between now and the end of the year 2010. We would appreciate a response in writing for inclusion in our draft Solid Waste Management Plan.

We will also be requesting a similar letter from Clare County. We are looking forward to your response.

Sincerely yours,



Larry Sullivan
Planning Director

cc: Charles Pardue



NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY
A WASTE MANAGEMENT COMPANY

P.O. Box 813
513 N. County Farm Road
Harrison, Michigan 48625
(517) 539-6111

June 19, 2000

Mr. Larry Sullivan, Planning Director
Charlevoix County Planning Department
301 State Street
Charlevoix, MI 49720

RE: Disposal Capacity
Northern Oaks Recycling and Disposal Facility

Dear Mr. Sullivan:

The purpose of this letter is to respond to your request dated April 20, 2000 regarding the acceptance of Charlevoix County waste at Northern Oaks RDF in Clare County.

Northern Oaks RDF has sufficient capacity to accept waste from Charlevoix County. The facility is capable of accepting the annual and ten year forecasted tonnage generation represented in your letter.

Feel free to call me if you require any other information for inclusion of Northern Oaks in the Charlevoix County Solid Waste Management Plan.

Sincerely,

Debora L. Johnston
Divisional Engineer

c: Clare County
Terry Cooney, WM
Rich Leszcz, Northern Oaks RDF

OFFICE OF PUBLICATION

LEGAL NOTICES

CHARLEVOIX COUNTY PLANNING DEPARTMENT PUBLIC HEARING NOTICE

Public hearing will be held to accept comments from the public regarding the Charlevoix County Draft "Solid Waste Management Plan", a component of the Charlevoix County Comprehensive Plan, on March 13, 2000. This hearing will be at 7:30 p.m. in the Pine Lake Room, Charlevoix County Building, 301 State Street, Charlevoix, Michigan. Written and oral comments will be accepted at this hearing. Written comments will continue to be accepted at the Charlevoix County Planning Department Offices located at 301 State Street, Charlevoix, Michigan, 49720 until Monday, March 20th. Copies of the Solid Waste Management Plan have been provided to each library in the county as well as having been sent to the chief elected official for each township and incorporated village within the county. Copies may also be inspected and purchased at the Planning Department, the address listed above. (L-2/11,3/6)

STATE OF MICHIGAN COUNTY OF EMMET

Kristen Y. Hart

being duly sworn, deposes and says that she is the principal clerk of the Petoskey News-Review, a newspaper printed and published in the county of Emmet in said state; that the annexed printed notice was published in said newspaper.

February 11 & March 6, 2000

Kristen Y. Hart

Subscribed and sworn to before me this 24th day of May

A.D. 2000.

Dawn H. Ferguson

Notary Public in and for Emmet County, Michigan.

My Commission expires:

DAWN H. FERGUSON Notary Public, Emmet County, Mich. My Commission Expires December 23, 2001

STATE OF MICHIGAN)

County of)

Charlevoix)

SS)

AFFIDAVIT OF PUBLICATION

Hugh Conklin

HUGH CONKLIN

being duly sworn, says that he/she is the publisher of the Citizen & Jordan Journal, a newspaper printed, published and circulated in said county and otherwise qualified according to Supreme Court Rule; that annexed hereto is a printed copy of a notice which was published in said newspaper on the following date, or dates, to wit:

February 16, 2000

_____, 20____

_____, 20____

_____, 20____

_____, 20____

_____, 20____

_____, 20____

Subscribed and sworn to before me

this 15th day _____

of February _____ A.D. 2000

Tammy O'Dell

Notary Public,

Tammy L. O'Dell
 Notary Public State of Michigan
 Kalkaska County
 Acting in Charlevoix County

My Commission Expires October 27, 2003

My commission expires:

PUBLIC HEARING
CHARLEVOIX COUNTY COMPREHENSIVE PLAN

A public hearing will be held to accept comments from the public regarding the Charlevoix County Draft "Solid Waste Management Plan," a component of the Charlevoix County Comprehensive Plan, on March 13, 2000. This hearing will be held at 7:30 p.m. in the Pine Lake Room of the Charlevoix County Building, 301 State Street, Charlevoix, Michigan, 49720. Written and oral comments will be accepted at this hearing. Written comments will continue to be accepted at the Charlevoix County Planning Department offices located at 301 State Street, Charlevoix, Michigan, 49720 until noon on Monday, March 20th. Copies of the Draft Solid Waste Management Plan have been provided to each library in the county as well as having been sent to each chief elected official for each township, city and incorporated village within the County. Copies may also be inspected or purchased at the Planning Department at the address listed above.

clearing from and allegedly referred to it as a "proem truck".
According to an autopsy report, an overdose of GHB was the cause of Hewitt's death.

This was Galikowski's second arrest on this matter.
Police picked him up in January and charged him with possession of GHB. However, police discovered at the time of his arrest that the level of GHB in Hewitt's body was actually 10 times higher than that indicated the level of GHB in Hewitt's body was actually was.

Another test was conducted whose results were not released until Hewitt's body was high enough to cause death.
While police waited for the results of the test, Galikowski was charged against Galikowski with driving under the influence of alcohol. However, with the new results, Galikowski was charged with manslaughter and death by poisoning. The original charges were reinstated.

Official Notice

PUBLIC HEARING NOTICE

A public hearing will be held to accept comments from the public regarding the Charlevoix County Draft "Solid Waste Management Plan," a component of the Charlevoix County Comprehensive Plan, on March 11, 2000. This hearing will be held at 7:30 p.m. in the Pine Lake Room of the Charlevoix County Building, 301 State Street, Charlevoix, Michigan, 49720. Written and oral comments will be accepted at this hearing. Written comments will continue to be accepted at the Charlevoix County Planning Department offices located at 301 State Street, Charlevoix, Michigan 49720 until noon on Monday, March 20th. Copies of the Draft "Solid Waste Management Plan" have been provided to each library in the county as well as having been sent to each chief elected official for each township, city and incorporated village within the County. Copies may also be inspected or purchased at the Planning Department at the address listed above.

Charlevoix Courier

CHECK OUT OUR WEBSITE

www.phoneguide.com

Local access, current listings and information are available including:

- White Pages • Yellow Pages • Golf Information
- Maps/Information ~ Where To Go, What To Do, Where To Dine

Pick up your new 1999 PhoneGuide (Emmet & Charlevoix counties) and turn to page 42 in the white pages or log on to our web site to find out more information about PhoneGuide.®

www.phoneguide.com

 **PhoneGuide**® "Your Hometown Phonebook"
COMMUNITY TELEPHONE DIRECTORY
Charlevoix & Emmet Counties

2-16

3-8

APPENDIX C
PUBLIC PARTICIPATION AND APPROVAL

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

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

All of the Solid Waste Committee Meetings were open to the public. Agendas were mailed to each chief elected official of every unit of government a minimum of 10 days prior to each meeting.

Copies of meeting agendas, or notices, were mailed to all persons requesting to be placed upon our mailing list for notification of our meetings. Copies were also mailed to the two-week newspapers published in Charlevoix County, as well as the Petoskey News Review, which is the predominant daily paper in Charlevoix County.

Copies of agendas were posted in the County Building, in compliance with the Michigan Open Meetings Act.

Notices of the public hearing were advertised in compliance with the requirements of both Part 115 of P.A. 451, of 1994, as amended, and the County Planning Act.

PLANNING COMMITTEE APPOINTMENT PROCEDURE:

Names of interested parties were solicited by County Board of Commissioners and from past Solid Waste Committees. The Chairman of the Board nominated a list of persons, which was confirmed by the full Board. The members were appointed at the expiration of their 2-year term.

PLANNING COMMITTEE

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

Four representatives of the solid waste management industry:

1. Don Pizzurro – Waste Management, Inc.
2. Tom Rankl – Top Rank Disposal
2. Jamie Hass – Walloon Lake Refuse
4. A. Tad Malpass – East Jordan Iron Works *
4. B. John Laney – SouthDown Cement

One representative from an industrial waste generator:

1. Don Smith – Northland Tobacco Company

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

1. Nancy Ferguson - Water & Air Team Charlevoix
2. Randy Frykberg - Environmental consultant

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

1. Phil Johnson – Charlevoix County Board of Commissioners

One representative from township government:

1. Dan Skrzeczowski – Eveline Township Trustee

One representative from city government:

1. Eleanore Stackus, represented by Eric Strahl **

One representative from the regional solid waste planning agency:

1. Vic Patrick – County Board Representative on Regional Solid Waste Committee

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

1. Prudence Kurtz - Sequonota Road, Charlevoix, MI.
2. Paul Lindberg - Wickersham Road, Charlevoix, MI
3. Ralph Richardson - Ferry Road, Charlevoix, MI

* Resigned in 1999, replaced in 2000 by County Board of Commissioners.

** Appointed by County Board, represented by Boyne City Manager.

3

CHARLEVOIX COUNTY SOLID WASTE COMMITTEE

ORGANIZATIONAL MEETING
JANUARY 19, 1998

MINUTES

Larry Sullivan called the meeting to order at 7:30 p.m., and asked the members to introduce themselves. All members of the Committee were present.

Sullivan gave a brief overview of per diems, mileage, etc., and asked the members to all review the old solid waste plan prior to the next meeting. He also listed the materials that would be used in the update, such as the previous plan, solid waste planning act and rules, etc.

Staff stated that Charlevoix County has joined with 6 other counties in obtaining the services of RRS, Recycling Resources, Inc., to gather background data that is needed for updating the plan. Because all of the counties would have to obtain the same type of information, it was felt better to go together and have this group do such things as waste stream analysis, volumes, where it comes from and where it goes, and a breakdown of the items that can be recycled. This will save time for the planners to work on other parts of the plan. This will be a great time saver, and hopefully will provide a fair amount of base data.

This Committee will be dealing with policy issues. Staff's responsibility is to provide meeting notices, sending out agendas, draft language, and review the material with this committee. All meetings of this group will be public meetings and will be posted. After the Committee has completed a draft plan, then there will be a 90-day review process and a public hearing will follow that public review period. After the public hearing, comments will be compiled. Once the comments are reviewed, the Committee can make any changes it feels is needed, and then passes it on to the County Planning Commission, for their action, and on to the County Board for action. If the County Board does not approve it, it is sent back to the Planning Committee with its objections. The Solid Waste Committee reviews and responds back to the County Board for their action.

After the County Board approves the plan, it will be submitted to all of the cities, townships, and villages in the County. They will either vote to approve it, deny it, table it, or choose to take no action. By law, we have to have the approvals of at least 67% of the municipalities of the Waste Management Plan. The Planner or Committee members go out and knock on doors, and discuss the plan, requesting the communities to take action.

Once the 67% has been reached, it then goes to the Department of Environmental Quality for review. They have six months and either approves the plan or reject. If they reject it, they will then write the plan, and it will be the plan for our County.

Staff went over some changes in the Act, and some of the results of those changes, such as the way members are chosen for this committee. He went over the way members are appointed.

One of the changes is that now the County has to annually send a certification to the State of Michigan as to how much availability of capacity the county has for its solid waste. If that number falls below 66 months of capacity, the county will be forced to use the siting criteria in the solid waste plan. As long as we have 66 months, the County is not forced to use the siting criteria. We will be looking at recycling and composting. The consultant we are working with has a lot of experience in that area. We will not spend much time on the incineration of waste, as we do not have the quantity for that method of waste reduction.

Staff had provided the Committee with general guidelines provided by DEQ, and would like the Committee members to review. There are some things that may need to be done differently due to the changes in the guidelines. DEQ is losing some of their staff, so will have fewer people to review plans, as they are finished. It was mentioned that according to the guidelines, the plan would need to be completed by this summer. Staff went over the schedule that was followed last time and stated we had a two year time period last time, it was completed in 2 1/2 to 3 years, went out for review, got the required approvals. Then the DNR came back and said they did not like the siting criteria, and we went back and spent another 2 and 1/2 years thrashing over the siting criteria. We ended up with what they wanted, but it was a much longer time period. Last time those counties that got their plans in quickly, got their approvals quickly. Staff is hoping that this committee can move along and be in the first batch of plans taken to Lansing. Laws were changed during the process the last time, which also hindered us, as we were half way through the process. Hopefully we can finish this one before more changes are made. There is a push by Representative Tom Alley to make some changes, and he will continue to push for those changes.

This Committee will not come out with a plan that everyone likes, but with the diverse individuals involved, we will hopefully come up with something we can all live with.

Richardson stated they gave us 18 months to do this plan and we are already six months into that time frame. That first six months is pretty much eaten up by deciding who would do the plan, and he does not expect all counties to meet the January 1999 deadline, but would like to see Charlevoix County meet it.

Discussion took place on how we can write the plan the way Charlevoix County wants to, and still be able to get it accepted by the DEQ. That appears to be the real problem. Staff stated he feels that the members of this group, as well as the County Planning Commission needs to pressure our elected officials to support our efforts, and maybe push the Legislators, as well. One of the problems the last time was that even if some of the Solid Waste Division people felt our plan was acceptable, someone above them decided it was not. It made for a very difficult process in getting the plan approved.

Staff stated that we will not expect committee members to go around the county trying to get the plan accepted by municipalities, but if members would like to help, that would be great. If a member cannot attend a meeting, it was suggested that they contact the Planning Department ahead of time, to make sure we have quorums present at each meeting.

Discussion was held on future meeting dates. He stated there are not a lot of meeting dates available to us for various reasons. Staff handed out calendars for the members and explained that our contract with RRS has a completion date for them of June 21st. In order for some of the work they have to do, they will need material from staff and from this Committee. The short timeframe means that we will be receiving material from them the second Wednesday of the month, and get it out to the Committee members and municipalities within the 2 weeks prior to the meeting. This determines when we can hold our meetings.

If Charlevoix County does not provide the materials in a timely manner to the consultant, we will have to pay additional costs for the work. Staff would like to keep moving and keep to the rapid pace if possible.

It was decided to hold the meetings on the fourth Monday of each month, in order to meet the schedule for getting agendas and materials out. Meetings will be scheduled from 7:00 p.m. to 9:00 p.m., and staff is suggesting that the committee try to keep the meeting to two hours.

Ralph Richardson made a motion to nominate Phil Johnson as Chairman, and Nancy Ferguson as Vice-Chair. No discussion was held, and a unanimous ballot was cast for Phil Johnson, Chair, and Nancy Ferguson, as Vice-Chair. Motion carried.

Discussion was held on whether there is available money to monitor water quality. Staff stated he would check on this. Out of area waste was discussed, and the availability of capacity for the County. Staff stated that this would be discussed throughout the planning process. Staff stated that some things do not make sense, such as three haulers driving down the same street, but there may be some reasons why it is practical.

The Emmet County recycling program was discussed, and the fact that they would not have the recycling facility if they had a landfill. Also discussed was the fact that the price for recycled products changes over time and problems with having facilities without attendants. Staff stated curbside recycling and hazardous waste collection are great concepts, but they are expensive. A lot of people want them, but few people want to pay for it.

Meeting adjourned.

Note: Next meeting to be held on February 23, 1998, at 7:00 P.M.

SOLID WASTE PLANNING
FEBRUARY 23, 1998

MINUTES

CALL TO ORDER

Meeting was called to order at 7:00 p.m. by Chairman Johnson.

Members present:

Tad Malpass, Randy Frykberg, Jamie Hass, Tom Rankl, Ralph Richardson, Paul Lindberg, Don Smith, Phil Johnson, Vic Patrick, Don Pizzurro, Dan Skrzeczkoski, Nancy Ferguson, and Eric Strahl.

Members absent: Prudence Kurtz, excused.

Others present: Larry Sullivan, Nate Jason, and Ken Poquet

Sullivan introduced the Eric Strahl, City Manager of Boyne City, as the new member, representing cities, replacing Dennis Jason.

APPROVAL OF MINUTES

Skrzeczkoski moved, supported by Frykberg, to approve the minutes of the previous meeting, as printed. Motion carried.

PUBLIC COMMENT

None from the audience.

NEW BUSINESS

Discussion of Policy Statements

Sullivan reviewed the Public Act and the Administrative Rules relative to the need for Policy Statements. He further reviewed the existing policy statements from the current plan as well as recommended changes for the committee's consideration. Discussion took place regarding language changes to the existing statements as well as areas where sufficient effort has not been expended to implement many of the policy statements including enforcement of the existing plan and recycling.

Sullivan will make the changes based upon discussion and submit a new revised set to the Committee for their further consideration.

Role and Responsibility of Solid Waste Committee

Concerns were raised by committee members as to what is the role of the solid waste committee in regards to the landfill expansion issue as well as relating to "host community agreements".

Johnson stated that the Planning Commission is addressing a request from Waste Management under the current plan for a 12.2 acre expansion to the landfill. If the request meets the current solid

waste plan requirements, Waste Management will get the expansion. If the Planning Commission finds the request does not meet the current plan, Waste Management can appeal that decision to the Michigan Department of Environmental Quality. If an appeal is made and denied by the MDEQ, Waste Management could come before this committee to request acreage be included in the new plan while it is under development, which they can do at this time even if the Planning Commission was not currently reviewing the expansion request. The landfill expansion is an issue that will not go back before the County Board of Commissioners.

Richardson raised the issue of the Host Community agreement. He does not want to have both the Solid Waste Committee and the County Board of Commissioners developing a Host Community Agreement.

Johnson stated that Waste Management had submitted a letter to the County Board and that the County Board would not act upon it until after the Committee had completed its work. The Solid Waste Committee would be responsible for developing any Host Community Agreement as that would be an issue that should be addressed and resolved by this committee.

Sullivan stated he is concerned with the Solid Waste Committee's hands being tied if too many decisions are being made by other groups that are not looking at or considering how all of the issues impact each other.

Ferguson brought up concerns over the language regarding the cemetery and removal of remains.

Review of Waste Flow Maps

The map did not reflect Type II waste going from Charlevoix County into Elk Run Landfill in Presque Isle County.

Type III waste is shown as going into Ken's Type III Landfill in Grand Traverse County. It was acknowledged that only a small quantity is being disposed of at that facility.

Review of Waste Stream Data Base

Population and Waste Generation Volumes

Sullivan stated that he has concerns regarding some of this information including the population figures. The waste industry representatives on the committee also had concerns regarding the summer waste volumes. Pizzurro stated he would provide information on the waste volumes and the seasonal fluxuations the Waste Management experiences.

Sullivan indicated that the large waste generators in Charlevoix County had not been contacted and thus the waste quantities could change after the special waste flows were accounted for. The general feeling was that the industrial waste volumes are on the low side. The issue of waste from Medusa Cement Company and the

potential for a Type III Landfill to handle that waste was being researched.

Hass stated the need for an explanation as to how the population and waste generation information was created.

Richardson expressed a desire to have the information presented to us in a consistent fashion. At the present time we are discussing waste by both weight and volume. An additional concern is the differences between loose and compacted yardage.

Sullivan indicated in the section dealing with solid waste disposal areas, RRSI should add to the list the recycling drop-off locations in Emmet and Grand Traverse Counties.

Sullivan indicated that he would check on which landfills are owned by what companies and whether or not East Jordan had a yard waste pickup program.

Sullivan indicated that he would contact the consultant and attempt to have all of the information presented to us in a consistent format or at a minimum would obtain conversion tables.

Discussion took place regarding the volume of waste generated each given community vs. what is going through the community's transfer station.

Solid Waste Alternatives

Staff stated this is information for which RRSI will need to provide better cost information. At this time they are asking that we go through these options and determine which ones are worth further consideration for Charlevoix County.

Sullivan indicated that he would like to see figures from RRSI on what is being recycled in the County. He feels there is a lot more that can be recycled.

Banning of materials was discussed, and to whether it was actually banning the manufacturing of the material, or the disposal of it. If a substance is banned from being accepted at a landfill, it often ends up in the garbage bag anyway.

The committee expressed the need for a Household Hazardous Waste Collection program. HHW collection days are very expensive in comparison to the volume of waste diverted but the waste that is diverted generally has a high potential for creating serious problems. Sullivan will contact Emmet and Grand Traverse Counties to see what their experiences have been.

Grand Traverse County has offered the service to our County a few times, at a cost, in the past. A committee member raised the issue of the Big Rock closure, and the possibility that some of its waste would be decontaminated and disposed of in Type II or Type III Landfills.

Staff asked if everyone has reviewed the section on education and promotion. He stated they need to do some additional work on that. The next section discussed recycling and pick up. One member said he did not know if it was worthwhile for the consultant to spend a portion of time researching curbside recycling, when that is not feasible for the County. The Blue Bag program was discussed with the conclusion that this type of system would only work with a Material Recovery Facility combined with a landfill or transfer station.

Recycling needs to have a mechanism to pay for it. A millage is needed to make it work. The way to make recycling pay is to do the recycling for free and charge more for the garbage pick up. In this way they will recycle to lower their garbage rate. There is the ability to place a surcharge on each house in the county, when Sullivan broached this topic with a number of elected officials and City staffs, the discussions fell apart over everyone wanting a portion of the resulting revenue.

It was discussed that some of these ideas should be dropped, because it is more important to spend the consultants time research those items the County could possibly do. On page 5, it was suggested to wipe out everything except the portion on the blue bag.

Page 6 - Sullivan felt a problem with grass clippings in the rural area is that residents take their yard waste down to a vacant lot and dump it. Maybe the cities would accept it from township residents as long as the city did not have to collect it.

Page 7 - In rural areas, it was discussed that it might be a good idea to have a drop off service for recyclable. Someone mentioned if a hauler is going to service an area, it would be a good idea if the hauler would have to serve the entire area. Staff stated to force this type of service might require a franchising system for the collection of (residential) solid waste.

Page 8 - It was stated the committee should not spend a lot of money on the idea of mixing recycling and waste in processing plants, because it is not feasible. It was suggested to drop the last one. Staff asked about the next to last one, MRF. It was stated this could only be done on a regional basis.

Page 9 - Last one can be dropped as not being practical for us.

Staff passed out a survey the consultant would like to have the members send back to them, by March 6th.

JOURNMENT

Motion by Skrzeczkoski to adjourn at 9:05 P.M. Motion carried.

Meeting adjourned.

Charlevoix County Planning Commission

COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

SOLID WASTE COMMITTEE MARCH 23, 1998 MINUTES

CALL TO ORDER.

Meeting was called to order at 7:07, by Vice-Chair Nancy Ferguson.

Members present: Ferguson, Kurtz, Richardson, Skrzeczkoski, Rankl, Hass, Malpass, Strahl, Patrick, and Smith.

Members absent: Frykberg (excused), Lindberg (excused), Johnson (excused), and Pizzurro (excused).

Others present: Larry Levensgood, Tom Wieland, PNR, Michelle Biddick, Nate Jason, Jim Frey, Cathy Semer, Kerry Sandford.

APPROVAL OF MINUTES.

Motion by Skrzeczkoski, supported by Richardson, to approve the minutes of the previous meeting, as presented. Motion carried.

Unscheduled Public Comment.

Michelle Biddick spoke for Watch, and explained that her organization is an all volunteer group, and has asked her to request that another agency, other than Waste Management, to do water testing of the wells at the landfill. Secondly, Watch would like to stress recycling should be addressed during this review of the expansion review. She felt nothing had been done in the past by Waste Management.

Ferguson stated she would like to talk briefly about the property agreements that Waste Management had sent to some of the members of the Committee, and she felt this was not a good thing to do, because it might appear that these members might appear to be biased. She stated on page 3 of the agreement, which states if the property owner signs the agreement, he/she cannot take any action, or object to any approvals Waste Management might apply for.

Ferguson asked if any member might want to speak of the issue. Richardson stated as one of the neighbors that received the letter, he did not consider it a proper offer, and felt it was worthless. He stated that he was glad to see it in writing, because it clarifies how they expect to protect the neighboring property values, and it confirms his opinion of Waste Management.

One member stated he was not justifying the letter, but he stated he was not surprised because a lot of people at a County Board of Commissioners Meeting were concerned about their property values.

Richardson stated that one of the neighbors ^{not} on the list had stated that three of the adjacent property owners had signed it.

OLD BUSINESS.

DISCUSSION OF POLICY STATEMENTS.

Staff stated he had gone over the policy statements worked on at the last meeting. Some changes had been made since the last meeting. Strategy 1.5 on page 2 was reworded and moved.

Sullivan stated there was not a vote, but changes were made from the last discussion and can still be rewritten by this group.

Hass asked if we decided we want to have siting criteria. A question has arisen before as to whether or not the siting criteria should be included in the plan this time.

Discussion was held on the fact that the State rewrote the siting criteria in the last plan after it had been adopted by the County.

Ferguson stated that at the previous meeting, the discussion went with the Committee feeling that we need siting criteria, in case another facility wants to locate here.

Richardson asked Hass if he was saying we did not need siting criteria.

Hass stated he was not ready to say that, but with USA owning all of the landfills in this area, there is ample landfill space out there. He said he was not speaking to the landfill expansion.

Richardson stated the criteria as it stands right now would prevent them from going east, north, or any further to the west toward Nowland Lake. He stated they are using the siting criteria to decide how far they can expand. They are not going to the point where it drops off into a wetland, because they end up within 2000 feet of the lake. We expected it to go to the east, but it can't because it gets too close to Saunders' and Kurtz's residences.

Ralph Richardson stated the siting criteria are very strict and cannot say there will be no more landfills in the County.

It was asked what would happen if there is a need for Type III landfill.

Ferguson stated it seems as though all of the Type III's are closing and the materials are being sent to Type II Landfills.

Malpass stated that if the Cedar Ridge Landfill is closed, they would have to open another one.

Richardson stated that two landfills would have to close, Cedar Ridge and the one in Crawford County before another one would be needed in this part of the state.

Malpass stated East Jordan Iron Works would be very reluctant to ship to landfills other than Cedar Ridge, due to the liability issue.

Richardson stated Malpass should come out to his place and look at the landfill. He stated he could see all of the material East Jordan Iron Works sends to it, as well as the garbage through it. He stated in the past it was thought that the landfill would never expand beyond the 40 acres because there was not enough cover, but now is stockpiled on the 10 acres and on the 12 acres, and they are not using it. The landfill is using the East Jordan Iron Works material for cover. Richardson stated that the crew goes home at 4:30 p.m., but the landfill is open until 5 p.m., and he suggested you figure out why. Six inches a day of East Jordan Iron Works material goes on, 2 ½ ft a week and 130 feet in a year. Richardson stated they have not used that much cover ever. He stated he does not understand why if the East Jordan Iron Works material is good for road base because water runs right through it, why would it make good cover?

Malpass stated he believes Richardson is confusing slag with sands that have the heavy clays in it. There are two different materials there. The one that is used for cover is sand that has heavy clay content. They use slag for the construction.

Richardson stated that the sands have been approved for cover, but there is not 6 inches of cover.

Malpass stated he does not know about that.

Richardson stated that they engineered a monitoring well right in the roadway, and if they do not know where the roadway is, how do they know how high or how wide the landfill is.

A suggestion was made that we simply red flag the section on siting criteria, in Section 1.5, and when we get to that point can make a decision on it.

Hass disagreed because back in the old plan we allowed for the siting of another landfill in the County if the need arose. In order to do that, we had to have siting criteria in the Plan.

Richardson stated that if he looks at it without siting criteria, that opens up any 40-acre piece for a landfill.

Richardson stated that if the Planning Commission decides this request does not meet the requirements of the Plan, and the DEQ agrees, then Hass's statement doesn't meet anything.

It was decided to discuss this issue at a future time.

Comments were invited on the revised policy statements.

It was stated that it seemed to address all of the issues mentioned at the last meeting.

Ferguson stated she was very concerned with enforcement, as it was not done on the last plan.

Sullivan stated it is on the agenda, but felt it would probably not be resolved at this meeting.

Number 3.4, located on page 3-4, Ferguson asked if the word "required" was replaced with encouraged, concerning berms, etc.

It was stated that in the Plan we might not be able to require it, but in a Host Agreement, we could require it.

It was also stated that we could require berm, plantings, etc., and leave it to enforcement to make sure it is done.

It was also stated that if it is required in a Host Agreement, you need to put in standards for the berms, plantings, etc.

One member stated that the neighbors are not protected at all at the present time, and it looks awful.

Richardson stated that tonight when he left home, there are two large yellow machines sitting on top of a hill, which would not have to be there. They could do a lot to alleviate some of the concerns of the neighbors on the visual impact.

It was agreed to put the word encouraged in at this point, and add the requirement in the future host agreements.

Under 3.5, it was asked if there are still dumps in the County. Sullivan stated that this could be removed, because most of these have been closed. This was a carryover from the past plan.

The only dumps that might still be classified as dumps would be owned by the Road Commission. Sullivan stated he would check into that and see what goes into these dumps.

Richardson stated the Road Commission dumps were discussed last time, and the Commission felt they did not have to comply.

Sullivan stated that regarding enforcement, the first step and desire is to insure compliance, and failing that, the second step would be fines and penalties, and the third would be to force closure.

A question was asked how do we enforce these things.

Sullivan stated it would be up to the County Board and the DNR/DEQ to enforce the Plan. He stated that the County might need an ordinance to enforce the Plan. Sullivan stated that as long as we are not requiring stricter restrictions than the DNR, they should be enforceable using the State Laws.

Richardson stated that if the Committee were going to argue over every word, it would take forever.

It was agreed that the changes Staff has made for tonight's meeting are acceptable, except the enforcement issue still has to be addressed.

Staff stated he was not looking for a motion or definitive action at this point, we can still be flexible and finalize this at a future point in time.

One member had a question on page 2, rather than have 4 or 5 different percentages, why not have just one percentage that says the goal is a total reduction of X by these means, rather than listing the different percentages.

Staff stated these percentages are based upon the State's goals and policy statements. It is certainly recognizable that some of these are easier to achieve, going with an overall percentage could certainly be a good possibility. Staff stated he could go through some waste stream assessments that have been done in this area and come back with what percentages are what, and based upon that come up with a number that might be achievable or probable.

It was stated that the material given to us by the consultants are giving us basic information as to how much we can expect to reduce waste and increase recycling by doing different programs, which will affect those percentages.

Staff will work on that issue and bring more back at a future meeting.

NEW BUSINESS.

Merger Impacts.

Ferguson stated the next issue to be discussed is the merger between USA Waste and Waste Management.

Sullivan stated the need for competition in the waste industry has been discussed for many years, but the County cannot force this competition. Based upon the planned amalgamation of the USA Waste and Waste Management, the bulk of the landfills in this area will be under one management. Staff's concern is what might happen to the waste situation in northern Michigan based upon the loss of competition at the landfills. Some people in the solid waste collection business are concerned that they might be squeezed out of the business by the landfill owner charging higher rates for the waste haulers. They (USA & Waste Management) might get out of the hauling business and could just crank their rates up even though they are no longer in the hauling business. Sullivan provided a press release giving some cost savings with the merger of the two companies. The timing of the merger is sometime in the Fall. Staff has contacted Representative Bart Stupak on the anti-trust issue, and hopes his office will research how it will affect the waste collection, and disposal, in this area. Whatever company owns the majority of landfills controls the waste flow.

Malpass stated that more controls on business is not always a positive thing.

It was mentioned that there are good regulations and some bad ones. Malpass stated consumers end up paying for these regulations.

Jamie Hass stated that from the point of a hauler in the industry, there is no doubt in his mind that the anti-trust laws should require the company to dispose of one or more landfills they have acquired, as they have locked up essentially half the State. This would allow at least two places to shop for prices. If the anti-trust people don't do that, we are all at the mercy of how fair USA and Waste Management are. It is a potential that once they control the area, there is no one to make sure they are charging all the haulers the same. He stated that until this announcement came out, he was comfortable with the fact that if Waste Management did not treat him fairly, he could go to another landfill and work out an agreeable rate. That possibility has gone out of the window. If the anti-trust people do not control this, he felt this would be the worst scenario facing the citizens of the County.

One member mentioned that ten years ago, when Waste Management came in, they told the competitors that they would be putting them out of business. They could play hardball.

Charlevoix County Planning Department

COUNTY BUILDING

301 STATE STREET

CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234

FAX 231 547-7217

October 3, 2000

Stan Idziak
Waste Management Division
MDEQ
PO Box 30473
Lansing, MI 48909-7973

Dear Mr. Idziak;

I have sent out requests to all companies operating landfills to which Charlevoix County might realistically expect to ship waste to as well as the counties in which they are located. We have included copies of those letters as well as the responses we have received in the copy of the solid waste management plan we sent to you for review.

Per your letter dated August 29, 2000, we have requested information from each company such that we could fill in the table which is attached. We have received responses from all companies with the exception of Waste Management. We understand the Montmorency/Oscoda/Alpena Landfill is not willing to guarantee landfill capacity to counties other than the three which form the authority. They have indicated a willingness to accept waste at the present time.

Based upon the attached information as well as the letter from the Charlevoix County Board of Commissioners, we are requesting that our plan be approved by the Director. We shall forward information from Waste Management at such time as we receive their response. We like to move ahead with approval of our solid waste plan if possible without the information from Waste Management. Should you have any problem approving the plan based upon the information submitted to this date, please contact me and we will do everything in our power to resolve them.

Sincerely,



Larry Sullivan
Planning Director

enclosures: 2 pages

CAPACITY CERTIFICATIONS

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

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

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

The table below identifies landfill disposal areas, their expected life, historical usage rates, and supporting analysis that demonstrates that the County will have more than ten years of disposal capacity for the duration of the ten year planning period. These facilities have all been included in the Plan and appropriate export arrangements made. Letters have been recieved from each of these facilities indicating that they can and will accept waste from Charlevoix County, thus assuring Charlevoix County in excess of 10 years of capacity.

LANDFILL CAPACITY

Identified Disposal Area Cap. Site Name (County Name)	Available Air Space (Gate CY 1-1-2000)	Gate CY Delivered 1999	Landfill Life (in years) Based on 1999 Delivery Rates	Landfill Life (in years) Based on 1999 Delivery Rates w/2% Growth
Cedar Ridge (Charlevoix)				
Harlan's (Manistee)	12,284,000	432,000	41	36
Glen's (Leelanau)				
CES Waters (Crawford)				
Whitefeather (Bay)	7,272,285	190,968	38	28
Black Run (Presque Isle)	6,031,852	114,137	53	36
Northern Oaks (Clare)				
Mont./Oscoda (Montmorency)	3,765,000	122,395	31	30

The calculations of the landfill life assumes that 20% of available air space is lost to cover and liner components and that gate cubic yards to in-place compaction is 50%. Available air space and delivery rates are based on information provided by the landfills directly to the Charlevoix County Planning Department.

ROGER D. FRYE, CHAIRMAN
DENNIS KAUFFMAN, VICE-CHAIRMAN
RAYMOND WEGMEYER, SEC. /TREAS
RICHARD E. HERMANSON
MICHAEL HUNT
M. MULLANEY
SANDY CUNNINGHAM, EXEC. SECRETARY



P. O. Box 789, Atlanta, MI 49709

(517) 785-2066 Phone
(517) 785-4183 Fax

September 19, 2000

Mr. Larry Sullivan, Planning Director
Charlevoix County Planning Department
301 State Street
Charlevoix, MI 49720

Dear Mr. Sullivan:

In response to your September 14th correspondence, please be advised that it is the intention of the Montmorency-Oscoda-Alpena Solid Waste Management Authority Board to accept waste generated in the County's as listed with export authorization in the Montmorency-Oscoda Solid Waste Management Plan, which includes Charlevoix County.

However, on 6/16/00, the Board directed that all County's with export authorization be advised that we are not in a position to guarantee disposal capacity to any County with the exception of Montmorency, Oscoda and Alpena County's, as Member-County's of the Montmorency-Oscoda-Alpena Solid Waste Management Authority Board.

We will continue to accept refuse from the County's with export authorization, however, we must reserve the right to limit the quantity accepted.

In addition, please find enclosed the completed table identifying our anticipated life expectancy, as requested.

If you require additional information, please contact this office.

Sincerely,

Sandy Cunningham
Executive Secretary

cc: Landfill Authority Board

The table below identifies landfill disposal areas, their expected life, historical usage rates, and supporting analysis that demonstrates that the County will have more than ten years of disposal capacity for the duration of the ten year planning period. These facilities have all been included in the Plan and appropriate export arrangements made. Attached are letters from both the counties the facilities are located in as well as from the facility itself

Identified Disposal Area Cap. Site Name (County Name)	Available Air Space (Gate CY 1-1-2000)	Gate CY Delivered 1999	Landfill Life (in years) Based on 1999 Delivery Rates	Landfill Life (in years) Based on 1999 Delivery Rates w/2% Growth
Cedar Ridge (Charlevoix)				
Harlan's (Manistee)				
Glen's (Leelanau)				
CES Waters (Crawford)				
Whitefeather Bay				
Elk Run (Presque Isle)				
Northern Oaks (Clare)				
Mont./Oscoda/Al (Montmorency)	3,765,000	122,395	31	30

The calculations of the landfill life assumes that 20% of available air space is lost to cover and liner components and that gate cubic yards to in-place compaction is 50%. Available air space and delivery rates are based on information provided by the landfills directly to the Charlevoix County Planning Department.

Charlevoix County Planning Department

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234
FAX 231 547-7217

Memorandum

To: Todd Harlan
From: Larry Sullivan, County Planning Director
Re: Landfill Capacity available to Charlevoix County
Date: September 14, 2000

Attached is a table to be included in the Charlevoix County Solid Waste Management Plan. Your facilities have been included in the Charlevoix County Solid Waste Management Plan based upon your willingness and ability to provide space for disposal of a portion or all of the waste generated in Charlevoix County for the next 10 years. The Michigan Department of Environmental Quality has requested that we provide this information in a table form. Rather than my attempting to include the numbers into the table the DEQ has provided, I felt it would be more appropriate that your company provide the figures for your facility(ies). I have included a copy of a sample that was provided to our office by the DEQ. This should be helpful in responding to this request.

Any assumptions used in developing the estimates for your facility should be included with your response. We will forward those assumptions on the Michigan Department of Environmental Quality along with the completed table.

Your promptness in completing your portion and returning it to us would be greatly appreciated. You may fax your reply to the Charlevoix County Planning Department at 231-547-7217. Clearly mark your response for the attention of the Planning Department.

FAX TRANSMITTAL MEMO

TO: <u>Todd Harlan</u>	NUMBER OF PAGES: <u>3</u>
DEPT: _____	FAX: <u>231 723 4105</u>
FROM: <u>Larry Sullivan</u>	NOTE: _____
PHONE: <u>231-547-7234</u>	
FAX #: <u>231-547-7217</u>	

The table below identifies landfill disposal areas, their expected life, historical usage rates, and supporting analysis that demonstrates that the County will have more than ten years of disposal capacity for the duration of the ten year planning period. These facilities have all been included in the Plan and appropriate export arrangements made.

Identified Disposal Area Cap. Site Name (County Name)	Available Air Space (Gate CY 1-1-2000)	Gate CY Delivered 1999	Landfill Life (in years) Based on 1999 Delivery Rates	Landfill Life (in years) Based on 1999 Delivery Rates w/2% Growth
Cedar Ridge (Charlevoix)				
Harlan's (Manistee)		432,000	11 years	36 years
Glen's (Leelanau)				
CES Waters (Crawford)				
Whitefeather Bay)				
Elk Run (Presque Isle)				
Northern Oaks (Clare)				
Mont./Oscoda/Al (Montmorency)				

The calculations of the landfill life assumes that 20% of available air space is lost to cover and liner components and that gate cubic yards to in-place compaction is 50%. Available air space and delivery rates are based on information provided by the landfills directly to the Charlevoix County Planning Department.

LIFE AS OF 1/1/2000

TABLE II-6 TOTAL QUANTITY OF SOLID WASTE NEEDING DISPOSAL:

Sector	1998 Tons Disposed	2003 Tons Disposed	2008 Tons Disposed
Residential	11,282	11,887	10,209
Commercial/Industrial	21,383	21,241	18,821
Special *	136,600	136,600	136,600
TOTAL ANNUAL TONS	169,265	169,728	165,630

* Sand, slag and other debris from East Jordan Iron Works and Southdown Kiln Dust.

II-2 SOLID WASTE DISPOSAL AREAS

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

- Beaver Island Transfer Station
- Boyne Valley Township Transfer Station
- East Jordan Transfer Station
- Melrose Township Transfer Station
- Top Rank Transfer Station
- Cedar Ridge Type II Landfill*
- Cedar Ridge Transfer Station
- Glen's Landfill (Leelanau County)
- CES Waters Landfill (Crawford County)
- Elk Run Landfill (Presque Isle County)
- Montmorency - Oscoda Landfill (Montmorency County)
- Northern Oaks (Clare County)
- Southdown Cement Type III Monofill
- Whitefeather Landfill (Bay County)
- Emmet County Transfer Station

* Scheduled to close during the early years of this Plan. (Upon the permitted 40 acres being filled to capacity.)

Descriptions of these facilities follows:

CARLETON FARMS LANDFILL
P.O. Box 634
New Boston, Michigan 48164-0634
(734) 654-1158 ph
(734) 654-7231 fax



Fax

To: Larry Sullivan

From: Brian J. Ezyk

Date: September 29, 2000

Fax: (231) 547-7217

Pages: 3 including cover

Re: Landfill Capacity (Elk Run and
Whitefeather)

Urgent For Review Please Comment Please Reply For Your Use

● **Comments:**

Larry,

Attached, please find the completed table per your request of September 14, 2000. The original will follow via US Mail. Please give me a call, if you have any questions.

Thank-you,

Brian Ezyk



September 29, 2000

Larry Sullivan
 County Planning Director
 Charlevoix County Planning Department
 County Building
 301 State Street
 Charlevoix, Michigan 49720

Subject: Landfill Capacity Available to Charlevoix County
 Elk Run Sanitary Landfill and Whitefeather Landfill
 Presque Isle County and Bay County, Michigan

Dear Mr. Sullivan:

Pursuant to the request in your September 14, 2000 memorandum and to our previous commitment to accept up to 100 percent of the daily and annual volume generated within Charlevoix County for the 10-yr planning period, Republic Services has prepared the following airspace summaries for our Elk Run Sanitary Landfill and Whitefeather Landfill located in Presque Isle and Bay Counties, respectively.

As stated in your memorandum, the calculations supporting the data presented below were performed assuming that the gate cubic yards to in-place compaction ratio is 50%. Also, as stated in your memorandum, the 1999 gate rate has been used for calculating site life. For the purposes of this summary, Republic has assumed that available airspace is the permitted capacity of the site adjusted for the compaction factor of 50%, i.e. the permitted capacity is doubled to account for compaction of waste.

SITE	AVAILABLE GATE AIRSPACE ⁽¹⁾ (1/1/2000) (YD ³)	GATE CYD ⁽²⁾ 1999	LANDFILL LIFE (1999 RATE) (YEARS)	LANDFILL LIFE (1999 RATE + 2% YEARLY)
Elk Run Sanitary Landfill	6,031,852	114,137	53	36
Whitefeather Landfill	7,272,285	190,968	38	28

Notes:

- (1) Available gate airspace assumes that a compaction factor of 50% is applied to the remaining permitted volume of the landfill as of 1/1/2000.
- (2) The 1999 gate acceptance was calculated by assuming that the volume consumed as measured by gate tracking or topographic analysis was compacted 50%.

Current and future gate acceptance rates may differ from the 1999 values. Likewise, the actual compaction rate computed for the individual landfills may differ from the

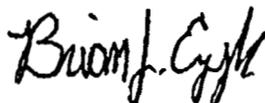
Larry Sullivan
September 29, 2000
Page 2 of 2

50% assumption. The data presented herein has been prepared according to the assumptions stated in your memorandum.

If you would like additional information about volumes or capacity at Elk Run Sanitary or Whitefeather Landfill, please contact the undersigned.

Sincerely,

REPUBLIC SERVICES, INC.



Brian J. Ezyk
Regional Engineer

Cc: Matt Neely, Republic
Stephanie Glysson, Republic

Charlevoix County Planning Department

COUNTY BUILDING

CHARLEVOIX, MICHIGAN 49720

TELEPHONE 616 547-7234

Memorandum

To: Todd Harlan
 From: Larry Sullivan, County Planning Director
 Re: Landfill Capacity available to Charlevoix County
 Date: October 3, 2000

Attached is a table to be included in the Charlevoix County Solid Waste Management Plan. In your fax back to me dated September 28, 2000 you did not include the total amount of available airspace. Based upon the fact that your facility has 41 years of capacity based upon 1999 delivery rates and the amount of waste delivered in 1999, was 432,000 cubic yards, I am presuming that your facility has 17,712,000 yards of available air space. Should your figures not agree with this please contact me so we can resolve our figures.

I can be reached at the number listed above.

ARR 11

SORRY I DID NOT INCLUDE THE
 AIR SPACE #. IT IS 12,284,000 yds
 AS OF 12/31/99

Todd

Identified Disposal Area Cap. Site Name (County Name)	Available Air Space (Gate CY 1-1-2000)	Gate CY Delivered 1999	Landfill Life (in years) Based on 1999 Delivery Rates	Landfill Life (in years) Based on 1999 Delivery Rates w/2% Growth
Cedar Ridge (Charlevoix)				
Harlan's (Manistee)	17,712,000	432,000	41	36
Glen's (Leelanau)				
CES Waters (Crawford)				
Whitefeather (Bay)	7,272,285	190,968	38	28
Elk Ruh (Presque Isle)	6,031,852	114,137	53	36
Northern Oaks (Clare)				
Mont./Oscoda (Montmorency)	3,765,000	122,395	31	30

The calculations of the landfill life assumes that 20% of available air space is lost to cover and liner components and that gate cubic yards to in-place compaction is 50%. Available air space and delivery rates are based on information provided by the landfills directly to the Charlevoix County Planning Department.

Charlevoix County Planning Department

COUNTY BUILDING
301 STATE STREET
CHARLEVOIX, MICHIGAN 49720

TELEPHONE 231 547-7234
FAX 231 547-7217

SEP 21 2000

Site Manager

September 20, 2000

Stan Idziak
Solid Waste Management Unit
Waste Management Division
Department of Environmental Quality
P.O. Box 30241
Lansing, MI 48909-7741

Dear Mr. Idziak:

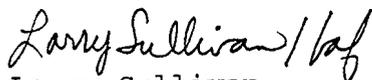
Please find enclosed the following items, to be included as part of the Charlevoix County Solid Waste Plan:

- Copies of approvals by every political unit in Charlevoix County.
- Maps of the mainland and Beaver Island portions of the County.
- Index of map layers and colors of each.
- Letter from Chairman Phil Johnson, approving the Solid Waste Plan with the modifications suggested by the DEQ.
- Resolution of the Charlevoix County Board approving the Plan as amended by the modifications suggested by the DEQ.

The table showing capacity certification that is needed, will be faxed down to you, as soon as the landfills provide the information suitable for including in the table.

If you have any questions concerning the enclosed, please feel free to contact me, at the phone number above.

Sincerely,


Larry Sullivan
Director of Planning

LS/baf

Charlevoix County Solid Waste Planning Committee
May 15, 2000

Minutes

Meeting called to order at 7:10 p.m., by Chairman Johnson.

Members present: Richardson, Skrzeczkoski, Johnson, Patrick, Smith, Strahl, Frykberg, Ferguson, and Kurtz.

Members absent: Rankl (excused), Lindberg (excused), Pizzurro, Laney, and Hass.

Minutes needing correction with wording from Commercial to Agricultural, in the paragraph beginning "Discussion took place.....". Motion made to approve the minutes as corrected.

The members were invited to make comments, and to state if they have problems with the Plan as mailed to them.

Richardson fine with the Plan.

Dan has two pages he has concerns on. First on page 57 – second line should be changed to read: "management needs for the solid waste generated within Charlevoix County for the next ten years.", dropping the words "five years and, if possible". The next was on page 98, under Disposal Areas, 4th paragraph, second sentence – should read "Private enterprise for monofills located within the County, provided the monofill is owned and operated by the company generating the waste disposed of in the monofill."

Ferguson had a question on page 92, pertaining to zoning. She asked if this is a State law. Sullivan stated he had spoken with the DEQ, and they had stated if it is allowed by right, it would be acceptable. It was suggested the wording be changed to: "Zoning – Landfills shall be located in zoning districts in which they are permitted as a use by right, or in any area zoned to allow agricultural, commercial, or industrial uses."

Sullivan stated the only Type II Landfill will be owned by the County, and the only Type III to be operated by private owners will be monofill.

Johnson is happy with it.

Patrick is happy with it.

Smith is generally happy.

Strahl stated that on page 38, words are transposed, and Sullivan will correct them.

Frykberg happy with Plan.

Ferguson asked if Sullivan is still planning to post the enforcement numbers to call when problems arise in the recycling program. He stated he will do that.

Motion by Dan Skrzeczkoski, supported by Randy Frykberg, to approve the Solid Waste Plan, as presented. Motion carried.

Sullivan stated there are still some minor changes and additions to the plan, which will be provided to the Committee, but the content will not be changed.

Next Monday night, the Planning Commission will act on it, then the County Board will act on it, and it will be sent out to townships, cities, and the Village of Boyne Falls.

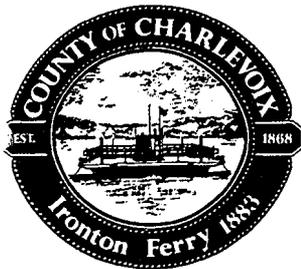
Johnson stated the Plan needs to be sent to the Board by Friday, for action on the next Wednesday. He also thanked the members, on behalf of the Board, for the efforts they put in to get the plan finished.

Motion by Skrzeczkoski to adjourn at 7:38 p.m. Motion supported by Smith. Motion carried.

COUNTY OF CHARLEVOIX BOARD OF COMMISSIONERS

301 STATE ST. / COUNTY BUILDING
CHARLEVOIX, MICHIGAN 49720

Telephone (616) 547-7200



A MICHIGAN HISTORICAL SITE

September 13, 2000

Stan Idziak
Solid Waste Management Unit
Waste Management Division
Department of Environmental Quality
P.O. Box 30241
Lansing, MI 48909-7741

Dear Mr. Idziak:

At our meeting held on September 13, 2000, the Charlevoix County Board of Commissioners reviewed your letter, dated August 29, 2000. As a result of this review, we concur with the changes recommended in that letter of August 29, 2000. We request the Department of Environmental Quality to approve the Charlevoix County Solid Waste Management Plan with these modifications.

In addition to the modifications included in your letter, we are enclosing maps depicting the Michigan Resource Inventory System information dated 8-25-89, and Capacity Certification information in a format consistent with the sample you provided.

We have also included a copy of the action taken by each unit of government within Charlevoix County. The unanimous approval of our County Solid Waste Plan is the first time in the history of solid waste planning in this County. We believe this demonstrates the strong support for this plan, and we encourage the Department of Environmental Quality to approve the Plan, as well.

Should you have any questions, feel free to contact Larry Sullivan, at (231) 547-7234.

Sincerely,

Phillip Johnson, Chairman
Charlevoix County Board of Commissioners

SOLID WASTE PLAN RESOLUTION

Whereas: Charlevoix County appointed a Planning Commission, under PA282, of 1945, for the purpose of developing long range plans to guide the growth and development of Charlevoix County, and

Whereas: the Charlevoix County Planning Commission has been appointed the Designated Planning Agency, and a Solid Waste Planning Committee has been appointed to assist with the development of the Solid Waste Plan, pursuant to PA 451, of 1994, and

Whereas: the Solid Waste Committee has developed a draft solid waste plan, and a public hearing has been duly noticed in accord with PA 282, and 451, and following the public hearing, the plan has been approved by the Solid Waste Planning Committee, following changes being made based upon comments received at said public hearing, and

Whereas: the Solid Waste Committee recommended adoption of this Plan by the Planning Commission and the County Board of Commissioners;

Now, therefore, be it resolved: the Charlevoix County Planning Commission hereby adopts this Solid Waste Management Plan, as a component of the Charlevoix County Comprehensive Plan, and recommends this plan also be adopted by the County Board of Commissioners;

Be it further resolved: following adoption of this plan, no work shall be initiated on any project involving the expenditure of public funds for the acquisition of land, erection of structures, extension construction, or improvement of any physical facility pertaining to solid waste by any county agency until such time as the Planning Commission has had sufficient time to review and comment upon said expenditures, pursuant to PA 282, of 1945, as amended.

Motion to adopt resolution made by Ralph Richardson, supported by Sandra Stanley.

Roll Call Vote:	Yes	No	Abstain	Absent
Jamie Hass				X
Dennis Jason				X
Larry Levengood	X			
Curt Petrak				X
Ralph Richardson	X			
Sandra Stanley	X			
Tom Wieland.	X			

I certify that the above accurately reflects the actions of the Charlevoix County Planning Commission, at their meeting held on May 22, 2000.

Ralph Richardson
Ralph Richardson, Secretary

RR:baf

May 24, 2000

SOLID WASTE PLAN

R E S O L U T I O N

WHEREAS, the Solid Waste Committee has developed a draft solid waste plan and held a public hearing on it; and

WHEREAS, the Solid Waste Committee recommended adoption of this Plan by both the Planning Commission and the Charlevoix County Board of Commissioners; and

WHEREAS, the Planning Commission met in special session on May 22, 2000, and adopted the draft Solid Waste Plan as presented;

NOW THEREFORE BE IT RESOLVED, that the Charlevoix County Board of Commissioners upon the recommendations of the Solid Waste Committee and the Planning Commission, hereby adopt the Solid Waste Plan as presented.

Submitted by:

VICTOR PATRICK

CERTIFIED	
Jane E. Brannon, County Clerk	
<i>Cheryl D. Browne</i> 7/12/00	
DEPUTY	DATE

#00-027

September 13, 2000

SOLID WASTE PLAN

R E S O L U T I O N

WHEREAS, the Charlevoix County Board of Commissioners has received a copy of a letter from the DEQ concerning changes to the Charlevoix County Solid Waste Plan; and

WHEREAS, the Board concurs with the changes recommended in your letter of August 29, 2000;

NOW THEREFORE BE IT RESOLVED, that the Charlevoix County Board of Commissioners request that the DEQ approve the Charlevoix County Solid Waste Management Plan with these modifications and authorizes the Chairman to sign a letter to this effect.

Submitted by:

Vic PATRICK

CERTIFIED
Jane E. Brannon, County Clerk
<i>Cheryl D. Browne</i> 9/14/00
DEPUTY DATE

00-047

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of BAY, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
BAY, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: CHRISTOPHER L. MONK

SECONDED BY: LARRY H. BERGMAN

YEAS: SIMMONS, CHIPMAN, BERGMAN, MONK

NAYS: NONE

Abstain: Moeschke

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF BAY.

ON: JUNE 8 2000
Date

David L. Simmons
Township Clerk

DAVID L. SIMMONS

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Village of Boyne Falls, of Charlevoix County has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the plan will accommodate the solid waste generated in the County well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Village of Boyne Falls, Charlevoix County, hereby goes on record as approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Kevin Gaskowski

SECONDED BY: Bill Carson

YEAS: 4

NAYS: 0

I hereby attest that this is an official record of the actions of the VILLAGE OF BOYNE FALLS _____.

ON: 6-26-00

Date

Maïlop Cousineau
Village Clerk

Please return one signed copy to Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Boyer Valley, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Boyer Valley, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Nancy Dunham

SECONDED BY: Susan Conklin

YEAS: - 4 -

NAYS: - 0 -

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Boyer Valley.

ON: June 26, 2000
Date

Nancy Dunham
Township Clerk



City of Boyne City

319 N. Lake Street

Boyne City, Michigan 49712
www.boynecity.com

Phone 231-582-6597
Fax 231-582-6506

**CITY OF BOYNE CITY
COUNTY OF CHARLEVOIX**

Resolution No. 0013-2000

CHARLEVOIX COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, the City of Boyne City, Charlevoix County, has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan; and

WHEREAS, the City of Boyne City has reviewed the plan and believes the plan will accommodate the solid waste generated in the County well into the future;

NOW, THEREFORE, BE IT RESOLVED that the City of Boyne City, Charlevoix County hereby goes on record as approving the Charlevoix County Solid Waste Management Plan.

ROLL CALL

Aye: Standen, Vondra, Grunch, Ruggles, Stackus.

Nay: None.

Abstain: None.

Absent: None.

RESOLUTION DECLARED ADOPTED.

Sue Hobbs

Sue Hobbs
Boyne City Clerk

I, Sue Hobbs, City Clerk of the City of Boyne City, County of Charlevoix and State of Michigan, hereby certify that the above is a true and complete copy of certain proceedings taken by the City of Boyne City at its regular meeting held Tuesday, June 27, 2000, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act 267 of the Public Acts of Michigan of 1976, and the minutes of said meeting were kept and will be or have been made available as required by said Act.

Sue Hobbs

Sue Hobbs Boyne City Clerk

June 29, 2000
Date

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Chandler, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Chandler, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Myron Matz

SECONDED BY: Phyllis Pen Fold

YEAS: 5

NAYS: 0

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Chandler.

ON: June 13, 2000

Date

Mary Peters
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The City of Charlevoix, of Charlevoix County has
had numerous opportunities to provide input into the development
of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the City of Charlevoix,
Charlevoix County, hereby goes on record as approving the
Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Campbell

SECONDED BY: Carlson

YEAS: Witthoeft, Carlson, Campbell and Bellows

NAYS: Chamberlain and Barnes

I hereby attest that this is an official record of the actions of
the CITY OF Charlevoix.

ON: July 3, 2000

Date

Bea Parton
Beatrice Parton City Clerk

Please return one signed copy to Planning Dept.

ct

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Charlevoix, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Charlevoix, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Nancy Rajewski

SECONDED BY: Theda Williams

YEAS: Stroud, Rajewski, Martin, and Williams

NAYS: None

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Charlevoix.

ON: June 12, 2000
Date

Carol Martin
Township Clerk

Please return 1 signed copy to the Planning Dept.

EVELINE TOWNSHIP

RESOLUTION 2000-6-13

**RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN**

WHEREAS, THE TOWNSHIP OF EVELINE, OF CHARLEVOIX COUNTY, HAS HAD
NUMEROUS OPPORTUNITIES TO PROVIDE INPUT INTO THE DEVELOPMENT OF THE
COUNTY SOLID WASTE MANAGEMENT PLAN; and
WHEREAS, WE HAVE REVIEWED THE PLAN; AND
WHEREAS, WE BELIEVE THE PLAN WILL ACCOMMODATE THE SOLID WASTE
GENERATED IN THE COUNTY WELL INTO THE FUTURE;
NOW, THEREFORE, BE IT RESOLVED, THAT THE TOWNSHIP OF EVELINE, CHARLEVOIX
COUNTY, HEREBY GOES ON RECORD AS APPROVING THE CHARLEVOIX COUNTY SOLID
WASTE MANAGEMENT PLAN.

MOTION MADE BY HAYDEN

SECOND BY BEISHLAG

**YEAS: BEISHLAG, HAYDEN, SHERMAN, SKRZECZKOSKI, WILLSON
NAYS: NONE**

**I HEREBY ATTEST THAT THIS IS AN OFFICIAL RECORD OF THE ACTIONS OF
THE TOWNSHIP OF EVELINE**

ON: JUNE 13, 2000



**DONALD S. HAYDEN
TOWNSHIP CLERK**

City of East Jordan

201 Main Street • P.O. Box 499
East Jordan, Michigan 49727-0499

City Hall

Tel: (616) 536-3381
Fax: (616) 536-3383



Resolution # 115/2000

**Offered for Adoption by Gee
Supported by Hoffman**

Resolution Approving the Charlevoix County Solid Waste Management Plan

WHEREAS, the City of East Jordan has had numerous opportunities to provide input into the development of the County Solid Waste Management Plan, and

WHEREAS, the City Commission has reviewed the plan, and believes the plan will accommodate the solid waste generated in the County well in to the future.

THEREFORE BE IT RESOLVED the City of East Jordan hereby approves the Charlevoix County Solid Waste Management Plan.

Roll Call Vote:

Ayes: Gee, Cihak, Hoffman, Williams, Hammond & Mayor Klooster
Nays: None

I hereby certify that the forgoing is a true and complete copy of a resolution adopted by the East Jordan City Commission at a Regular Meeting, held Tuesday, June 20, 2000.



Kathy O'Rear, City Clerk



Date

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

RESOLUTION NO. 2000 7-10

WHEREAS, The Township of Evangeline, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Evangeline, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Adams

SECONDED BY: Shields

YEAS: Adams, Lory, Shields.

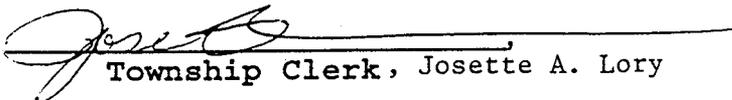
NAYS: None.

ABSTAIN: Howell.

ABSENT: Cortright

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Evangeline.

ON: July 10, 2000
Date


Township Clerk, Josette A. Lory

Please return 1 signed copy to Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Hudson, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Hudson, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Doris Glazier

SECONDED BY: Terry Erber

YEAS: Doris Glazier, Sharon Jepsen, Terry Erber and Frank D. Wasylewski

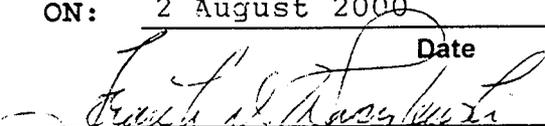
NAYS:

ABSENT: Caroline Kobylczak.

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF HUDSON.

ON: 2 August 2000

Date


Frank D. Wasylewski
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of HAYES, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
HAYES, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: ROBBIN KRAFT

SECONDED BY: TIMOTHY BOYKO

YEAS: DOUGLAS KUEBLER, FREDERICK PARSONS, TIMOTHY BOYKO, ROBBIN KRAFT,
ETHEL KNEPP (YEA)

NAYS: NONE

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF HAYES.

ON: JUNE 12, 2000

Date

Ethel R. Knapp
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of MARION, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
MARION, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Joanne Jones

SECONDED BY: Wilson Ross

YEAS: Joanne Jones, Wilson Ross, Jerry Dohm

NAYS: Mitch Cunningham, Sonja Martin

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF MARION.

ON: JUNE 20, 2000
Date

Wilson Ross
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Melrose, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Melrose, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Al Deneau, Supervisor

SECONDED BY: Al Reeves, Trustee

YEAS: 5

NAYS: _____

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Melrose.

ON: June 13th, 2000
Date

Annette Longcore
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of Norwood, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
Norwood, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: Carey

SECONDED BY: Parsons

YEAS: 4 yeas

NAYS: Wayne Boss

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF Norwood.

ON: July 17, 2000
Date

Donald Paul
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of St. James, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
St. James, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: James Wojan

SECONDED BY: Gary Damstra

YEAS: 5

NAYS: -0-

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF St. James.

ON: 6/7/00
Date

Jean Palmer
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of SOUTH ARM, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
SOUTH ARM, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: L. Malpass

SECONDED BY: N. Olstrom

YEAS: L. Malpass M. Carey, J. Smith, N. Olstrom

NAYS: R. Christensen

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF SOUTH ARM.

ON: July 12, 2000

Date

Joanne B. Smith,
Township Clerk

Please return 1 signed copy to the Planning Dept.

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of WILSON, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
WILSON, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: RON REINHARDT

SECONDED BY: CAROL CLAVIER

4 YEAS: TODD SORENSON, CAROL CLAVIER, KERRI REINHARDT, RON REINHARDT

0 NAYS: _____

1 ABSTENTION: JON JASINSKI

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF WILSON.

ON: JUNE 6, 2000
Date

Carol Clavier
Township Clerk

RESOLUTION APPROVING THE CHARLEVOIX COUNTY SOLID WASTE
MANAGEMENT PLAN

WHEREAS, The Township of PEAINE, of Charlevoix
County has had numerous opportunities to provide input into the
development of the County Solid Waste Management Plan; and

WHEREAS, we have reviewed the plan; and whereas, we believe the
plan will accommodate the solid waste generated in the County
well into the future;

NOW, THEREFORE, BE IT RESOLVED, that the Township of
PEAINE, Charlevoix County, hereby goes on record as
approving the Charlevoix County Solid Waste Management Plan.

MOTION MADE BY: FRANK BLATT

SECONDED BY: PAUL NELSON

YEAS: NELSON, M^CCAFFERTY, WORKS, BLATT

NAYS: NONE

I hereby attest that this is an official record of the actions of
the TOWNSHIP OF PEAINE.

ON: JUNE 14, 2000
Date

Colleen In Martin,
Township Clerk - DEPUTY