

MUNICIPAL
SOLID WASTE
MANAGEMENT
PLAN

APPENDIX

...an integrated approach

Beaver County
Pennsylvania

2004
FINAL PLAN

BEAVER COUNTY, PENNSYLVANIA

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The purpose of this Plan is to revise and update the Beaver County Municipal Waste Management Plan of 1990. The most important features are that this Plan:

- Develops new projections for the generation of municipal waste in Beaver County for the next ten years;
- Designates disposal facilities to be used for the disposal of Beaver County generated wastes for the next ten years based on a fair, open and competitive qualification process;
- Considers the County's current recycling rate and discusses what is needed to work toward the state's 35 percent recycling goal.

It should be noted that all recommendations made in this Plan are contained in Section 5 and are included in the description of Section 5 contained in this Executive Summary.

SECTION 1 DESCRIPTION OF WASTE

This section describes the types and quantities of municipal waste generated in Beaver County that will be managed by the system defined in this Plan. Current and historical data were presented for 1996 through 1999, based on weight records from the facilities at which waste generated in Beaver County was disposed and annual Municipal Recycling Reports. This is the data used to formulate generation rates for each type of waste that are used to prepare generation projections for Beaver County in Section 3.

This section also includes the results of surveys designed to learn more about sewage sludge and septage, and infectious and chemotherapeutic waste generation. It also presents results of a separate survey designed to learn more about municipal waste collection practices in Beaver County.

SECTION 2 DESCRIPTION OF FACILITIES

This section describes the facilities currently being used to manage the municipal solid waste (MSW) generated in Beaver County. There is only one disposal facility—Joseph J. Brunner, Inc.—located in Beaver County. The majority, or 95 percent of MSW (including residual waste) is being disposed of in three facilities: Arden Landfill, Joseph J. Brunner Landfill, and BFI's Imperial Landfill.

SECTION 3 ESTIMATED FUTURE CAPACITY

This section provides projections for municipal waste and recyclables generation for the ten-year planning period covered by this Plan based on population projections through 2011. Breakdowns are provided for each type of waste and by categories of recyclables based on experience of the previous ten years. It notes that as recycling rates increase, the need for disposal capacity is projected to decrease.

SECTION 4 DESCRIPTION OF RECYCLABLE MATERIALS

This section describes the recycling activities taking place in Beaver County and the impact of recycling on the amount of municipal waste requiring disposal/processing capacity. It

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looks first at the estimated potential materials in the County's waste stream based on national averages. It then looks at existing municipal programs and describes other programs and facilities that manage recyclables in the County. Finally, it considers possible measures to increase the level of recycling in the County.

SECTION 5 SELECTION AND JUSTIFICATION

The purpose of this section is to describe the process used to select the overall waste management system for the County and provide justification for the selection. The County must ensure that the selected system provides the required capacity needed to properly process/dispose of all municipal waste generated within its boundaries for the next ten years.

There is a brief overview of why the current system will continue to be used in Beaver County, including that it fulfills public goals, is efficient, cost-effective and flexible, and provides sufficient capacity. The section then outlines the recommendations for the next ten years, including:

Recycling

- That the County continues to depend on the recycling system currently in place, which involves cooperation of both the public and private sectors.
- That the County encourage additional recycling whenever it is economically feasible, including: 1) providing technical assistance to help non-mandated municipalities establish curbside or drop-off programs if the interest exists; 2) encouraging greater recycling of yard waste; 3) and encouraging businesses and institutions to reassess their efforts and develop and/or expand recycling programs when it is economically feasible.
- That the County will consider opportunities to recycle additional materials as economically viable opportunities become available.
- That the County continues its public education efforts to promote more recycling.

Municipal Waste

- That the County designates and executes agreements with nine facilities to accept municipal solid waste from Beaver County sources.
- That the County provides a process to designate additional facilities under specified guidelines.
- That the Waste Management, Inc. Transfer Station in Ambridge be licensed as a waste hauler, and be required to deliver waste to one of the disposal facilities designated in the Plan.
- That the County revises its hauler-licensing program to include provisions for the licensing of the transfer station as a hauler.

Construction and Demolition Waste

- That the County supports the recycling of components of the construction and demolition (C&D) waste stream if cost effective options become available.
- That the County considers investigating options for the safe disposal of small volumes of C&D waste generated by the residential sector.

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Biosolids and Septage Management

- That the County continues to rely on the current system for managing biosolids generated at wastewater treatment plants.
- That the County works with the County Conservation District to look into options for managing septage to ensure that sufficient capacity is available to septage haulers for the disposal of septage. This will require that the County apply for additional funds under a Section 901 Planning Grant to conduct the work.

Infectious and Chemotherapeutic Waste

- That the County continues to rely on the current system for managing infectious and chemotherapeutic (ICW) waste.
- That the County considers options for helping to educate the public about home medical waste.

Household Hazardous Waste

- That the County consider establishing a household hazardous waste (HHW) collection program if it can find an efficient and cost effective method that will not result in large expenditures by the County or its residents.
- That the County engage in educational efforts to ensure safe disposal of HHW when disposal is required, and use of less hazardous or non-hazardous materials when possible.

Inappropriate Methods of Disposal

- That the County provides language that municipalities could adopt to help address illegal dumping in their communities, including language for building permits and some type of uniform building code that addresses the disposition of construction and demolition waste.
- That the Beaver County Department of Waste Management looks into ways to work with local law enforcement officials to enforce against illegal dumping.
- That the County look into the need to address illegal dumping further, and pursue further Act 101 planning funds to study this issue within the County.
- That the County encourage municipalities to establish rules/regulations concerning waste burning that safeguard residents and to enforce them to protect the residents' health and safety, and that the County encourage all residents to store and dispose of waste safely, preferably through collection by a County licensed hauler and disposal at a facility designated by the County.

SECTION 6 LOCATION

The purpose of this section is to identify the physical location of disposal facilities that will be used by Beaver County.

SECTION 7 IMPLEMENTING ENTITY IDENTIFICATION

This section identifies the Beaver County Department of Waste Management as the entity responsible for implementing the County's Municipal Waste Management Plan.

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SECTION 8 PUBLIC FUNCTION

This section notes that the County does not intend to purchase or operate its own disposal or recycling processing facility, and that it supports using the private sector to manage most aspects of the municipal waste system.

SECTION 9 IMPLEMENTING DOCUMENTS

This section contains the documents necessary for implementation of this Plan, including:

- Municipal Waste Disposal Capacity Agreement
- Beaver County Solid Waste Management Ordinance, Rules and Regulations, and Application for Municipal Waste Hauling License
- Beaver County Resolution

SECTION 10 ORDERLY EXTENSION

This section states that the Plan has been updated to provide for the orderly extension of municipal waste management programs in a manner that is consistent with the needs of Beaver County, and that it does not conflict with any state, regional, or local plans.

SECTION 11 METHODS OF DISPOSAL OTHER THAN BY CONTRACTS

This section describes by which waste disposal is managed in the County for all types of waste.

SECTION 12 NON-INTERFERENCE

This section notes that the Plan does not interfere with the design, construction, operation, financing or contractual obligations of any municipal waste processing or disposal facility, and does not interfere with any local solid waste ordinances, zoning regulations or currently established municipal waste management plans.

SECTION 13 PUBLIC PARTICIPATION

This section describes the public participation process used to develop the Plan and contains highlights of the Solid Waste Advisory Committee meetings.

SECTION 14 OTHER INFORMATION

This section notes that there is no additional information related to municipal waste and this planning process to be included in this Plan.

GLOSSARY OF ACRONYMS AND TERMS

Act 101/Act	Municipal Waste Planning, Recycling and Waste Reduction Act of 1988 (Pennsylvania)
C&D	Construction and Demolition Waste
DEP	Pennsylvania Department of Environmental Protection
EPA	U.S. Environmental Protection Agency
FQR	Facility Qualification Request (used to qualify disposal facilities for Plan)
HDPE	High Density Polyethylene (plastic)
HHW	Household Hazardous Waste
ICW	Infectious and Chemotherapeutic Waste
mgd	Million gallons per day
MRF	Materials Recovery Facility (for recyclables)
MSW	Municipal Solid Waste
NSWMA	National Solid Wastes Management Association
OCC	Corrugated cardboard
ONP	Newspaper (newsprint)
PET	Polyethylene Teraphthalate (plastic)
Plan	Beaver County Municipal Waste Management Plan
RCRA	Resource Conservation and Recovery Act (federal)
SWAC	Solid Waste Advisory Committee
tpd	Tons per day
tpy	Tons per year
WWTP	Wastewater Treatment Plant

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SECTION 1 DESCRIPTION OF WASTE

The purpose of this section is to describe and determine the quantity of municipal waste (MSW) generated in Beaver County that will be managed by the system defined in this Plan. To estimate the quantity of municipal waste generated on an annual basis, current and historical quantity data were used, including: weight records from the facilities at which waste generated in Beaver County was disposed and annual Municipal Recycling Reports. A summary of the records is provided below.

1.1 MUNICIPAL WASTE STREAM

The municipal waste portion of the County's solid waste stream consists of waste generated by residents, businesses, institutions, industrial offices and cafeterias, and source separated recyclable material. Table 1-1 at the end of this section reports the total quantities of municipal waste from County sources that were disposed of or processed from 1996 through 1999. Information regarding the amount of waste disposed was taken from the Pennsylvania Department of Environmental Protection (DEP) County Waste Destination reports¹ and from reports submitted directly to the County by out-of-state landfills (Appendix A--Exhibits 1 and 2). Information regarding the amount of material recycled was taken from the annual recycling reports prepared by the municipalities and the County for 1996 through 1999 (Appendix A--Exhibit 3). Seven (7) landfills have been providing disposal service over this time period. One (1) of these facilities is located in Ohio (BFI Carbon-Limestone), one is located in West Virginia (Brooke County), with the remaining five (5) being located in Pennsylvania.

A review of Table 1-1 shows that the reported amount of municipal waste disposed in 1997 was almost 11 percent less than that reported in 1996 and approximately 17 percent less than that reported in 1998. This discrepancy can probably be traced to the large shifts in the amount of waste being disposed at individual landfills (Appendix A--Exhibits 1 and 2). Because of those shifts, it may be assumed that the reporting mechanisms at the impacted landfills were not as accurate as they could have been. As a result of that anomaly, the total amount of waste reported as being generated in Beaver County in 1999 (158,989 tons) will be used to estimate the amount of waste which will be generated during the planning period.

Using the 1999 population estimate of 194,706, a total generation rate of 0.8158 tons/capita/year (4.47 lbs./capita/day) is obtained. Using the amount of *waste disposed* in 1999 (134,522 tons), a generation rate *associated with disposal services* of 0.691 tons/capita/year (3.786 lbs./capita/day) is obtained.

Population projections supplied by the Beaver County Planning Department estimate a Beaver County population of 195,663 in 2000 with an increase to 205,234 in 2010.

¹ Includes municipal waste, sewage sludge, construction and demolition waste, infectious waste, ash residue and asbestos, all as defined in Title 25, Section 271.1 of the *Pennsylvania Code*.

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Combining those estimates with a generation rate of 0.82 tons/capita/year, a total of approximately 1,800,000 tons of disposal capacity will be required over the planning period.

With an estimated total generation rate of 0.82 tons/capita/year based on disposal and recycling tonnage data, Beaver County's generation rate is slightly above the state's accepted average generation rate of 0.80/tons/capita/year. However, portions of Beaver County are rural, and residents of rural areas sometimes engage in open burning or illegal dumping as a means of avoiding waste disposal costs. A number of Beaver County's municipalities have individual subscription service, which means that it is the responsibility of residents to make arrangements for the collection and disposal of their waste. Some simply choose not to subscribe, and manage their waste by other means, including burning and illegal dumping. While it would be impossible to know the exact amount, for purposes of this Plan it is assumed that as much as ten percent of Beaver County's waste may be managed improperly. Therefore, it is estimated that up to 164,000 additional tons of municipal waste over the planning period, or an average of nearly 14,900 tons per year, may be disposed of through open burning or illegal dumping.

It should be noted that over 50,000 tons per year of residual waste (waste from industrial, mining or agricultural processes) generated in Beaver County is also disposed at the landfills accepting municipal waste.

1.2 CONSTRUCTION AND DEMOLITION WASTE

A review of the tonnages of C&D waste disposed in Table 1-1 indicates a large decrease in the amount of this type of waste reported in 1997. This variation can also be ascribed to the reporting problems faced with a change in disposal sites. Therefore, an average of C&D waste disposed in 1996, 1998 and 1999 will be taken into account when assessing the viability of materials available for recycling. The estimated generation rate is 0.207 lbs./capita/day.

1.3 BIOSOLIDS AND SEPTAGE WASTE

To update and confirm available data on biosolids (i.e. sewage sludge) generation, a survey of wastewater treatment plants in Beaver County was undertaken. Seventeen (17) of 18 biosolids generators in the County responded to the survey. Table 1-2, located at the end of this Section, presents data on the current and projected quantities of biosolids produced in the County and the disposal method used. Of the 17 agencies that responded to the survey:

- Twelve use landfills
- One uses a reed bed system
- One uses land application
- One is currently applying for a land application permit from DEP
- Two transport sludge to the Monaca plant for final processing and disposal

Landfilling is the most widely used disposal option, particularly for the larger treatment facilities in Beaver County, and is used to dispose of approximately 92 percent of the biosolids generated in Beaver County. Reed beds are used for about 6.5 percent, and land

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application, both current and proposed, represents the disposal method for the remaining 1.5 percent. Both the Chestnut Ridge plant and the Economy Borough Authority plant transport the sludge produced at their facilities to the Monaca plant for final processing and disposal. This mode will be discontinued upon completion of the current construction project at the Economy Borough plant.

The County also used this survey to collect information on which treatment plants accept septage (on-lot system pumpings), and which plants are willing to consider accepting septage in the future (Table 1-3, also at the end of the section). Of the 17 plants responding to the survey, only the Monaca plant and Hopewell Township currently accept septage, with the others stipulating various reasons for not accepting this type of waste.

Four (4) of the six (6) septage haulers replying to a separate survey (Table 1-4 at the end of this section) indicated that additional disposal capacity was needed.

It should be noted that the Beaver County Department of Waste Management has been approached by McCutcheon Enterprises, Inc., based in Apollo, Westmoreland County. McCutcheon recently opened a 55,000 sq. ft. facility that is capable of managing biosolids including wastewater plant sludge, septic tank and grease trap waste, potable water plant sludge, and package treatment plant waste. McCutcheon has asked that Beaver County list the facility in its Plan as a facility that is available to accept these wastes from the County. This facility has sufficient capacity to manage some or all of Beaver County's septage waste. While the facility is a significant distance from Beaver County, McCutcheon is interested in discussing options for collecting the waste from Beaver County septage haulers in tankers that can be transported to the facility for processing.

The County also received notification that Dalton's Service Company is proposing a facility to process septage waste. This facility would be housed in an existing brick building in Beaver Falls. Dalton's is proposing collecting waste to process through a dewatering press to allow the sludge to cake, with the dry cake to be disposed at a landfill. Wastewater from this facility would be discharged to the sanitary sewer system, and would be transported to the wastewater treatment plant operated by the City of Beaver Falls. It is unclear whether this facility is intended to manage only septage collected by Dalton's, or whether it will be available to manage septage collected by other haulers. The County will monitor progress on this proposal to determine whether or not this will become an additional disposal option for septage in Beaver County.

1.4 INFECTIOUS AND CHEMOTHERAPEUTIC WASTES

In order to determine the manner in which the bulk of the infectious and chemotherapeutic wastes (ICW) were being handled in the County, a survey was conducted of funeral homes and hospitals and nursing homes with 50 beds or more (Table 1-5 at the end of this section). Seventeen (17) of 23 facilities responded with the Heritage Valley Health System accounting for approximately 95 percent (191 tons/year) of the total amount generated. Only the Huntsman facility which generates a very

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small quantity of ICW uses on-site incineration for disposal. All of the other facilities rely on outside contractors and off site incineration for disposal purposes.

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1.5 RESIDUAL WASTE

Beaver County generates significant amounts of residual waste – that is, wastes (including sludges) generated by industrial, mining, agriculture, or water supply treatment facilities. While the County does not manage this waste for disposal, it bears mentioning because the County has disposed in excess of 50,000 tons of residual waste annually since 1997. Not counting 1996 (which represented an anomaly, as stated above), the total tonnage of residual waste disposed represents approximately one quarter of the total tonnage disposed from Beaver County for 1997 through 1999.

1.6 MUNICIPAL COLLECTION PRACTICES

The County recently conducted a survey that was used to identify the methods local governments use with regard to waste collection and recycling activities. Fifty-two (52) of the 54 municipalities responded and the information relating to solid waste collection practices is presented in Table 1-6 at the end of this section.

Of those responding, 25 of the respondents utilize a private collection company under contract to the municipality while the remaining 27 require the residents to contract directly with a collector of their choice. Prices ranged from approximately \$25.00 to \$40.00 per quarter.

The Beaver County Department of Waste Management has prepared sample municipal waste disposal contract specifications that are available to any municipalities that have an interest in or are contracting for municipal waste collection and disposal services. This document is contained in Appendix G.

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**TABLE 1-1
BEAVER COUNTY WASTE GENERATION
(TONS PER YEAR)**

Waste Type	Year			
	1996	1997	1998	1999
--Municipal	107,891	96,695	117,642	113,784
--Sewage Sludge	7,237	8,620	7,828	8,797
--C&D	6,075	1,871	4,790	11,050
--Asbestos	615	1,232	561	890
--Infectious		74		
Total Municipal Waste Disposed	121,818	108,491	130,821	134,522
--Recycling (EPA Standard)	26,652	23,853	24,668	24,467
Total Municipal Waste Generated	148,470	132,344	155,489	158,989
Population	191,835	192,792	193,749	194,706
--Lbs./person/day	4.24	3.76	4.40	4.47
--Lbs./person/week	29.69	26.33	30.78	31.32
--Lbs./person/year	1,547.89	1,372.92	1,605.06	1,633.12
--Tons/person/year	0.77	0.69	0.80	0.82
Residual Waste	29,514	56,610	53,173	57,642

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**TABLE 1-2
BEAVER COUNTY MUNICIPAL WASTE MANAGEMENT PLAN
WWTP INFORMATION SURVEY SUMMARY**

Authority/WWTP	WWTP Design Capacity (mgd)	1999 Average Flow (mgd)	2010 Projected Flow (mgd)	Plant Expansion Plans	Solids Stabilization Process	Biosolids Quantities Generated			Biosolids Disposal Method	Annual Biosolids Disposal Cost
						Dry Tons/Yr	Liquid (gal./wk./% solids)	Dewatered (wet tons/wk./solids)		
Ambridge Municipal Authority	2.560	1.490	1.540	N/A	Gravity thickening prior to anaerobic digestion Belt filter press	77.67	---	6.2 24%	Landfill - Brunner Landfill	\$11,000
Beaver Borough Municipal Authority	1.045	.57	.63	N/A	Thickening	637	---	12.25 9%	Landfill - Brunner Landfill	\$33,875
Borough of Monaca	1.150	0.540	Not provided	N/A	Aerobic Belt filter press	215	---	15-20 25%	Landfill - BFI Imperial	\$34,000
Center Township Sewer Authority	2.00	0.670	Not provided	None	Digestion	250		34 15%	Landfill - Brunner Landfill	\$60,000
Chestnut Ridge WWTP	0.017	0.0068	0 - scheduled for demolition in 2003	N/A	Aerobic Aerate & decant Haul sludge to Monaca for processing	1.708	492 1.6%	N/A	All sludge transported to Monaca WWTP for processing	\$26,668 (includes Economy Borough below)
Chippewa Township Sanitary Authority	2.130	0.90	0.90	Expanded from 1.0 mgd to 2.13 in 1995	Aerobic Roediger Tower Press 6 drying	35.3	---	---	Application for distribution of EQ biosolids in progress	N/A

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Authority/WWTP	WWTP Design Capacity (mgd)	1999 Average Flow (mgd)	2010 Projected Flow (mgd)	Plant Expansion Plans	Solids Stabilization Process	Biosolids Quantities Generated			Biosolids Disposal Method	Annual Biosolids Disposal Cost
						Dry Tons/Yr	Liquid (gal./wk./% solids)	Dewatered (wet tons/wk./solids)		
					beds					
City of Beaver Falls	4.80	1.990	2.310	Recently completed expansion from 2.5 mgd to 4.8 mgd	2 stage digestion Filter press	808.24	---	---	Landfill – Brunner Landfill	\$25,000
Conway Borough Municipal Authority	NO RESPONSE									
Economy Borough Municipal Authority	0.100	0.0564	0 – scheduled for demolition in 2003	N/A	Aerobic Aerate & decant Haul sludge to Monaca for processing	13.771	3,969 1.6%	N/A	All sludge transported to Monaca WWTP for processing	See Chestnut Ridge WWTP
Hopewell Township	1.250	0.750	---	Will look to expanding in the future	Aerobic Belt press	200	100,000 17.5%	60 17.5%	Landfill – Brunner Landfill	\$34,606- Disposal \$7,200- Transport
Koppel Borough	0.220	0.170	.210	Submitted report to DEP in 1/00 proposing to increase capacity to 0.24 mgd with a process modification change	Aerobic	1.5-2.0	1,500-2,000 0.4-1.0%	---	Landfill - Dalton's (Ohio)	\$4,500- 6,000/dry ton
Municipal Authority of the Borough of Baden	1.50	0.662	0.800	Expanded in 1995	Anaerobic Gravity belt thickener Belt filter press	---	---	18 15.8%	Landfill - Waste Management (Arden)	\$32,790
Municipal Authority of the Borough of Midland	1.25	Not specified	Not specified	No plans at this time	Pump all sludge to Dalton sludge	---	7,000 gal./wk. 75%	---	Landfill – Joe Dalton, Columbiana, OH	\$2,865

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Authority/WWTP	WWTP Design Capacity (mgd)	1999 Average Flow (mgd)	2010 Projected Flow (mgd)	Plant Expansion Plans	Solids Stabilization Process	Biosolids Quantities Generated			Biosolids Disposal Method	Annual Biosolids Disposal Cost
						Dry Tons/Yr	Liquid (gal/wk/% solids)	Dewatered (wet tons/wk/solids)		
					sludge hauling				OH	
Municipal Water Authority of Aliquippa	7.00	1.70	Unknown	N/A	Anaerobic 14 reed beds	193	--	--	Reed bed system	--
New Brighton Sanitary Authority	1.50	0.899	1.25	Ongoing discussion about whether there is a need to expand	Anaerobic Drying beds	215	--	-- 5.5%	Landfill – Arden Landfill	\$20,000
New Sewickley Township Municipal Authority	0.03	0.0124	N/A	Currently permitted to increase plant capacity to 0.05 mgd; expect to increase to 0.10 mgd by 2002	Drying beds Package treatment plant sludge holding tank	6	--	N/A	Landfill – Liquid Assets Disposal (WV)	Part of O&M contract for operation of plant
Rochester Area Joint Sewer Authority	1.40	1.397	1.5	No expansion planned at this time	Aerobic Belt filter press	198	--	25 15%	Landfill – Brunner Landfill	\$40,000
Vanport Township Municipal Authority	1.56	1.12	Unknown	No expansion planned at this time	Aerobic Press Pug Mill	9.06	32,500 1.2%	1.8 24%	Land application – farm site – DEP permit #602218	\$2,470

mgd - million gallons per day; WWTP - wastewater treatment plant

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**TABLE 1-3
BEAVER COUNTY MUNICIPAL WASTE MANAGEMENT PLAN
WWTP SEPTAGE SURVEY SUMMARY**

Authority/WWTP	Facility Accept Septage/Holding Tank Waste				Septage Quantity Accepted (gal.)	Price to Accept/Process Septage (gal.)	Current Municipal Contracts	Accept Other Liquids/Semi-Solids	Comments/Problems with Accepting Septage/Holding Tank Wastes
	Yes	No	If yes, from Whom?	If No, Willing to Accept?					
Ambridge Municipal Authority		X		No				No	
Beaver Borough Municipal Authority		X		No				No	Disruption to daily process; no data on what is actually in the septage
Borough of Monaca	X							Yes	Increased cost across the board. Have implemented tighter controls – no oils, grease, grit or other contaminants harmful to process Only other material accepted is waste activated sludge from Economy Borough – will discontinue when their facility is completed
Center Township Sewer Authority		X						No	
Chestnut Ridge WWTP		X		No				No	
Chippewa Township Sanitary Authority			DID NOT RESPOND TO THIS SECTION						
City of Beaver Falls		X		Yes				No	Will begin receiving approx. 15,000gpd of

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Authority/WWTP	Facility Accept Septage/Holding Tank Waste				Septage Quantity Accepted (gal.)	Price to Accept/Process Septage (gal.)	Current Municipal Contracts	Accept Other Liquids/Semi-Solids	Comments/Problems with Accepting Septage/Holding Tank Wastes
	Yes	No	If yes, from Whom?	If No, Willing to Accept?					
									treated septage within two years; capacity available
Conway Borough Municipal Authority			NO RESPONSE						
Economy Borough Municipal Authority		X		No				No	
Hopewell Township	X				Controlled amounts			No	
Koppel Borough		X		No				No	
Municipal Authority of the Borough of Baden		X		No				No	Odor, overloading the existing facilities, increased manpower
Municipal Authority of the Borough of Midland		X		No				No	Plant not capable of processing
Municipal Water Authority of Aliquippa		X		No				No	
New Brighton Sanitary Authority		X		No				No	Suggests the County establish a package plant for septage
New Sewickley Township Municipal Authority		X		No				No	
Rochester Area Joint Sewer Authority		X		No				No	Control – costs, solids content, contamination, etc.
Vanport Township Municipal Authority		X		No				No	

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**TABLE 1-4
BEAVER COUNTY
SEPTAGE HAULERS SURVEY SUMMARY**

HAULER	HOUSEHOLDS SERVED	QUANTITY COLLECTED (1999 Gallons)	QUANTITY ANTICIPATED (2000 Gallons)	Additional Capacity Needed?	
				Yes	No
Approved Toilet Rentals, Inc.	None	26,000	50,000	X	
Brubaker & Sons Portable Toilet Rental*	None	3,500	3,500	No answer	
Dalton's Sanitary Service	NO RESPONSE				
Economy Septic Service	1,000	130,000	?	X	
E.L. Mayhue & Sons	NO RESPONSE				
Larry Mayhue	NO RESPONSE				
Mr. John	100	300,000-350,000	350,000-400,000	No answer	
R. Newbit Portable Toilets**					
Ohio Valley Septic	50	50,000	50,000	X	
R.D. Smith	NO RESPONSE				
Howard Stuber	NO RESPONSE				
Super Vac, Inc.	No answer	No answer	95,000	X	

*Portable toilets only

**Portable toilets only – telephone response

? – Unknown

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TABLE 1-5
BEAVER COUNTY

INFECTIOUS WASTE SUMMARY – HOSPITALS AND NURSING HOMES WITH 50 BEDS OR MORE; MEDICAL CENTERS; FUNERAL HOMES

Institution	Avg. Qty. Generated Tons/Yr.	Accept Affiliate ICW?	Amt. Generated On Site	How Managed	Process Disposal Method	Container - Municipal			Do You Recycle Act 101 Materials?
						Type	Frequency of Service	Size	
J.T. Anderson Funeral Home, Inc.	? lbs.	No	? lbs.	Outside Contractor	Incineration	Plastic cans-4	Weekly	50 gal. drums	Yes
Batchelor Brothers, Inc.	? lbs.	No	? lbs.	Outside Contractor	Incineration	Bags & cans-2	Weekly	30 gal. can	No
Beaver Internal Medicine Association	Not specified	No	Not specified	Outside Contractor	Incineration	Dumpster	2x/week	Not specified	Yes
Beaver Valley Geriatric Center	5 tons	Yes	5 tons	Outside Contractor	Incineration	Compactor	2x/week	37 yd.	Yes
Beaver Valley Nursing & Rehab	1 ton	No	1 ton	Outside Contractor	Not identified	Dumpsters-2	3x/week	1 3-yd. 1 2-yd.	No
Beaver Valley Orthopedic Associates	NO RESPONSE								
Beaver Valley Urology	NO RESPONSE								
Center Medical Associates	NO RESPONSE								
Franciscan Manor	150 lbs.	No	150 lbs.	Outside Contractor	Not identified	Dumpster	3x/week	No response	No response
Golfview Manor Nursing Home	NO RESPONSE								
Heritage Valley Health System (The Medical Center)	191 tons	No	191 tons	Outside Contractor	Incineration	Compactor	2x/week	30 yd.	Yes

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TABLE 1-5 – CONTINUED
BEAVER COUNTY

INFECTIOUS WASTE SUMMARY – HOSPITALS AND NURSING HOMES WITH 50 BEDS OR MORE; MEDICAL CENTERS; FUNERAL HOMES

Institution	Avg. Qty. Generated Tons/Yr.	Accept Affiliate ICW?	Amt. Generated On Site	How Managed	Process Disposal Method	Container - Municipal			Do You Recycle Act 101 Materials?
						Type	Frequency of Service	Size	
Huntsman, Inc.	10 lbs.	Yes	10 lbs.	On-site Incineration	Incineration	Dumpster	Weekly	1 yd.	No
Leavell Funeral Home	NO RESPONSE								
Providence Health Care	1,800 lbs.	No	1,800 lbs.	Outside Contractor	Not identified	Dumpsters-2	6x/week	8 yd.	Yes
Rochester Manor	>1,700 lbs.	No	>1,700 lbs.	Outside Contractor	Incineration	Compactor	3x/week	6 yd.	Yes
Sewickley Valley Pediatric & Adolescent Medicine	NO RESPONSE								
J&J Spratt Funeral Home, Inc.	120 lbs.	No	120 lbs.	Outside Contractor	Not identified	Bags, box	Monthly	17"x17"x36"	No
Surgical Associates of Bridgewater	336 lbs.	No	336 lbs.	Outside Contractor On-site Autoclave	Incineration Autoclave	Dumpster	Weekly	2 yd.	No
Tatalovich Funeral Home	300 lbs.	No	300 lbs.	Outside Contractor	Incineration	Plastic	Weekly		No
Tri-State Pulmonary Medicine	5 lbs.	No	5 lbs.	Outside Contractor	Not identified	Sharps only	Quarterly	3 1-gal.	No
UMPC Beaver Valley	29.75 tons	No	29.75 tons	Outside Contractor	Not identified	Compactor	On call	32 yd.	Yes
Valley Neurological Associates, PC	600 lbs.	No	600 lbs.	Outside Contractor	Incineration	Dumpster	Weekly	2-3 yd.	No

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Villa St. Joseph	600 lbs.	Yes	Not specified	Outside Contractor	Not identified	Cardboard box	On call	2 cu.ft.	No
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**TABLE 1-6
BEAVER COUNTY MUNICIPAL WASTE COLLECTION PRACTICES**

Municipality	Pop.	Collector (1)	Fee	Disposal Site
Aliquippa City	13,000	BFI	Flat Fee	BFI
Ambridge Boro	7,800	Waste Mgmt.	Flat Fee	WM Transfer Station
Baden Boro	5,000	Brunner	Not specified	Brunner
Beaver Boro (2)	5,028	Brunner	\$7.60/Month – 1 cont. \$11.45/Month – 2 cont. \$15.30/Month – 3 cont.	Brunner
Beaver Falls City	10,580	Aiken	\$9.00/Month	BFI
Big Beaver Boro	13,000	Ind. Sub.		
Bridgewater Boro	10,580	Young		
Brighton Twp (3)	8,000	Bixler, Young	\$5.00/Mon+\$0.75/Ba g	Brunner, BFI Imperial
Center Twp	11,200	Waste Mgmt.	Flat Fee	
Chippewa Twp	7,100	Valley	Flat Fee--\$8-9/Month	Not specified
Conway Boro	2,400	Contract--Name not provided	\$8.00/Month	BFI Imperial
Darlington Boro	311	Ind. Sub.	Flat Fee	Not specified
Darlington Twp	2,040	Ind. Sub.		
Daugherty Twp	3,626	Ind. Sub.		
East Rochester Boro	671	Ind. Sub.		
Eastvale Boro	340	Ind. Sub.		
Economy Boro (4)	9,500	E. Reid Powell	\$34.00/Quarter \$18.96/Quarter Disabled, Elderly	BFI Imperial
Fallston Boro	310	Ind. Sub. Brunner, Valley Refuse		Brunner Mahoning
Frankfort Springs Boro	176	Ind. Sub.		
Franklin Twp	3,821	Ind. Sub.		
Freedom Boro	2,225	Waste Mgmt.	Flat Fee	
Georgetown Boro	208	Ind. Sub.	\$24/Quarter	Brooke County
Glasgow Boro	74	Ind. Sub. Braddon		Mahoning Arden
Greene Twp	2,800	Ind. Sub.		Brooke County
Hanover Twp	3,500	Ind. Sub.		
Harmony Twp	3,702	Ind. Sub.	\$8.32/Month	
Homewood Boro	176	Ind. Sub.	Flat Fee	Seneca
Hookstown Boro		Ind.Sub.		
Hopewell Twp (5)	14,000	Waste Mgmt.	Flat Fee--\$24/Quarter	Arden
Independence Twp	3,000	Ind. Sub.		
Industry Boro		Waste Mgmt. Braddon	Pay-As-You-Throw	
Koppel Boro (6)	1,100	Aiken	\$8.00/Month	Ohio
Marion Twp	908	Ind. Sub.		

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Midland Boro	3,450	Braddon	Flat Fee	Mahoning
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**TABLE 1-6 – CONTINUED
BEAVER COUNTY MUNICIPAL WASTE COLLECTION PRACTICES**

Municipality	Pop.	Collector (1)	Fee	Disposal Site
Monaca Boro	7,000	BFI	\$25.25/Quarter	BFI
New Brighton Boro (7)	6,900	Aiken Refuse	\$9/Month + \$.25/bag	Carbon Limestone
New Galilee Boro (8)	510	Davis Refuse	Flat Fee	
New Sewickley Twp	8,000	Ind. Sub.		
North Sewickley Twp	6,222	Ind. Sub.		
Ohioville Boro	4,051	Valley Refuse	Flat Fee	Mahoning
Patterson Hgts Boro	600	Ind. Sub.		
Patterson Twp	3,200	Valley Refuse	\$34-\$40/Quarter	
Potter Twp	610	Braddon	Flat Fee	BFI Imperial
Pulaski Twp	1,424	Ind. Sub.		
Raccoon Twp	3,700	Ind. Sub.		
Rochester Boro (9)	4,164	BFI	Not specified	Not specified
Rochester Twp	3,247	Ind. Sub.		
Shippingport Boro	240	Young Refuse		BFI Imperial
South Beaver Twp	3,000	Ind. Sub.		
South Heights Boro		NO RESPONSE		
Vanport Twp	1,750	Ind. Sub.		Brunner
West Mayfield Boro	1,300	Ind. Sub.		
White Twp	1,654	Burgess	\$1.25/bag	BFI Poland, OH

- Notes: (1) Ind. Sub. indicates that residents make individual subscriptions with hauler of their choice
 (2) Beaver Borough - additional charge for bulky items
 (3) Brighton Township - bag weight limited to 40 lb.
 (4) Economy Borough - 2 cans or 4 bags + 1 large item/week. Additional bags @ \$.90/bag
 (5) Hopewell Township - no auto parts, yard waste, construction materials
 (6) Koppel Borough - limit of 2 cans or bags/week
 (7) New Brighton Borough - bulky items limited to 100 lb./week
 (8) New Galilee Borough - limit of 3 bags/week
 (9) Rochester Borough - No building supplies or auto parts

SECTION 2 DESCRIPTION OF FACILITIES

This section describes the facilities currently being used to manage the municipal solid waste (MSW) generated in Beaver County. While there is only one disposal facility—Joseph J. Brunner, Inc.—located in Beaver County, another facility, Arden Landfill in Washington County, receives more waste. The majority, or 95 percent of MSW (including residual waste) is being disposed of in three facilities: Arden Landfill, Joseph J. Brunner Landfill, and BFI's Imperial Landfill.

2.1 ARDEN LANDFILL

Waste Management's Arden Landfill is located in Washington (Washington County), PA, approximately 30 miles from the County seat of Beaver Borough. The facility currently accepts municipal waste, construction and demolition waste (C&D), sewage sludge, residual waste, and asbestos from Beaver County.

The current permitted site acreage is 168 acres, with 64 acres currently in use for disposal. The permitted daily average is 2,400 tons, for an expected annual tonnage of 686,400 tons. There are no tonnage limits on individual waste types, so any combination of waste types delivered will be accepted. Beaver County used approximately 13 percent of this capacity in 1999. Arden has committed capacity to a number of other southwestern Pennsylvania counties, including Allegheny, Fayette, Greene, Washington and Westmoreland.

Arden Landfill is double lined, with 60 mil HDPE primary and secondary liners. Leachate produced by this facility is sent to a local sewage treatment for management.

The permitted capacity is approximately 9,000,000 tons, with an expected life of over four years. An expansion plan is in progress, to begin in 2002. The expected total capacity upon completion is 30,000,000 tons, with over 40 years expected lifetime.

This facility is permitted by the Commonwealth of Pennsylvania (Permit #100172) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.2 BROOKE COUNTY LANDFILL

J.P. Mascaro & Sons' Brooke County Landfill is located in Colliers, West Virginia, approximately 15 miles from Beaver Borough. The permitted site acreage is 196 acres, with an active disposal area of 180 acres. This facility may accept up to 20,000 tons each month, or 240,000 tons per year. Cans, glass, paper and aluminum are accepted at an on-site drop-off area.

While included in the current Beaver County Plan, this facility has accepted only minimal amounts of waste from Beaver County over the last two years. Brooke County has also committed small amounts of capacity to Allegheny, Fayette, Greene and Washington Counties.

Currently used disposal cells at Brooke County Landfill are double lined. The primary liner consists of 80 mil HDPE, 3 feet of remolded clay with a permeability of 10^{-6}

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cm/sec, and 18" protective cover with geonet and fabric drainage. The secondary liner comprises a 60-mil HDPE liner, and 3 feet of remolded clay with a permeability of 10^{-7} . Leachate from this facility is collected and sent through an on-site treatment plant where it is aerated, treated with activated carbon and lime ferric chloride and discharged to the Weirton (WV) sewage treatment plant.

The current expected lifespan of this facility is about 30 years. This is greater than the ten-year planning period. The state of West Virginia issues permits in increments of three years, and routine renewal permits are anticipated. The facility has no expansion plans at this time, but does plan to expand to a lifespan of greater than 50 years once more of the current capacity has been used.

This facility is permitted by the State of West Virginia (Permit #SWF-1013-97/WV0109029) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.3 JOSEPH J. BRUNNER, INC.

The Joseph J. Brunner, Inc. Landfill is located in Zelienople (Beaver County), approximately 10 miles from Beaver Borough. Municipal waste, C&D waste, sewage sludge, asbestos and residual waste are currently accepted from Beaver County, though the facility may also accept carbon soils for disposal. Brunner provides for drop-off of recyclables at a facility in Ambridge.

There is 93.7 acres currently under permit, with approximately 39.5 acres in use as disposal area. The permitted daily maximum is 525 tons, and the permitted daily average is 425 tons, for an expected annual tonnage of approximately 110,000 tons. Beaver County used a little over 41 percent of this capacity in 1999. The estimated capacity remaining as of January 2000 is 3,400,000 tons, and the expected lifespan is 29 years, which is well beyond the ten-year planning period of this Plan. Only two other counties – Allegheny and Butler--have received capacity commitments from Brunner.

The facility is double lined, with primary and secondary liners of 60 mil HDPE and remolded clay with a permeability of 10^{-6} cm/sec.

This facility is permitted by the Commonwealth of Pennsylvania (Permit #101439) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.4 CARBON LIMESTONE LANDFILL

BFI's Carbon Limestone Landfill is located in Lowellville (Mahoning County), OH, approximately 31 miles from Beaver Borough. Beaver County wastes disposed at this facility include municipal waste, C&D waste, sewage sludge, and residual waste. No asbestos or treated infectious/chemotherapeutic waste (ICW) is accepted for disposal. In addition to waste disposal, this facility operates a recyclables material transfer facility that transfers the materials it receives to a materials recovery facility (MRF).

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The current permitted site acreage is 888 acres, of which 630 acres is currently in use as disposal area. The permitted daily maximum is 6,500 tons, with no average limit, and the expected annual tonnage is 1,300,000 tons. There are no tonnage limits on individual waste types, so any combination of waste types delivered will be accepted. Beaver County uses less than one percent of this capacity. Other Pennsylvania counties with capacity reservations at this facility include Armstrong, Lawrence and Mercer Counties.

The facility has a single liner system of 60 mil HDPE, three feet of remolded clay with a permeability of 10^{-7} cm/sec, and a geosynthetic clay liner. Leachate is collected through perforated HDPE piping, pretreated on site, and sent to the Village of Lowellville treatment plant for final treatment.

The remaining capacity after 1999 is approximately 31,000,000 tons, with an expected life of 15.3 to 22.7 years, which is greater than the ten-year planning period of this Plan. There are no plans for expansion at this time.

This facility is permitted by the State of Ohio (Permit #02-4365) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Ohio requirements.

2.5 IMPERIAL LANDFILL

BFI's Imperial Landfill is located in Imperial (Allegheny County), approximately 21.5 miles from Beaver Borough. The facility currently receives municipal waste, C&D waste, sewage sludge, asbestos and residual waste from Beaver County sources. No treated infectious/chemotherapeutic waste is accepted for disposal. There are recycling drop-off containers on site.

There are 190 acres under permit, with 164 being used for active disposal. The permitted daily maximum is 4,666 tons, and the permitted daily average is 3,100 tons, with an expected annual tonnage of 500,000 tons (886,600 allowed based on permitted daily average). Based on the higher figure, Beaver County used less than 3.5 percent of this capacity in 1999. Other Pennsylvania counties with capacity commitments at Imperial include Allegheny, Butler, Washington and Westmoreland Counties.

The Imperial Landfill is double lined. The primary liner includes 60 mil HDPE, two feet of recompacted clay with a permeability of 10^{-7} cm/sec (geosynthetic clay liner may be used in place of clay in some areas). The secondary liner consists of 60 mil HDPE plus a six-inch subbase of remolded clay with a permeability of 10^{-5} cm/sec. Leachate is collected by HDPE perforated pipe and discharged to the Moon Township Municipal Authority's Montour Run treatment facility.

The permitted capacity remaining as of the end of 1999 is over 20,500,000 tons, for an expected lifespan of nearly 30 years. This is well beyond the ten year planning period.

This facility is permitted by the Commonwealth of Pennsylvania (Permit #100620) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

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2.6 NORTHWEST SANITARY LANDFILL

Waste Management's Northwest Sanitary Landfill is located in West Sunbury (Butler County), PA, approximately 57 miles from the Beaver Borough. Materials being disposed at this facility include municipal waste, C&D waste, sewage sludge, asbestos and residual waste. No treated infectious/chemotherapeutic waste is accepted for disposal.

The current permitted site acreage is 72 acres, with 54 acres in seven of nine disposal cells in place. The permitted daily maximum is 2,500 tons, with a permitted daily average of 2,000 tons. The only known limitation on waste that can be accepted is that sewage sludge cannot comprise more than 25 percent of the daily tonnage. Beaver County uses approximately ten percent of the daily capacity. This facility currently has commitments to accept waste from Allegheny, Armstrong, Butler, Clarion, Crawford, Lawrence, Mercer and Venango Counties, and from Clay Township and the Borough of West Sunbury in Butler County.

The expected lifespan of this facility is 14 years, with a remaining capacity as of July 2000 of approximately 2,625,239 tons. This is greater than the ten-year planning period of this Plan. The facility plans to expand its capacity to 7,579,000 tons, which would boost its expected lifespan to 33 years. The expansion is expected to begin in 2001, and operations are to begin in 2004.

This facility is permitted by the Commonwealth of Pennsylvania (Permit #100585) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.7 SENECA LANDFILL

Seneca Landfill is located in Evans City (Butler County), PA, approximately 25 miles from Beaver Borough. Beaver County wastes disposed at this facility include municipal waste, C&D waste, and residual waste. In addition to waste disposal, this facility operates an on site public drop-off center for recyclables.

The current permitted site acreage is just less than 220 acres, of which approximately 24 acres is currently in use as disposal area. The permitted daily maximum is 3,000 tons, with a permitted daily average of 780 tons, for an estimated 223,080 tons maximum. There are no tonnage limits on individual waste types, so any combination of waste types delivered will be accepted. Beaver County uses less than three percent of this capacity. Other Pennsylvania counties with capacity reservations at this facility include Allegheny, Armstrong, Butler, Clarion, Crawford, Mercer and Venango Counties.

Seneca Landfill is double lined, with primary and secondary liners of 80 mil HDPE and composite liner with clay matting liner material. Leachate is collected via a perforated piping system and treated in an on site treatment plant.

The remaining capacity after 1999 is approximately 515,000 tons, with an expected life of three years. The facility is currently in an expansion phase to increase its capacity to 9,500,000 tons and its lifespan to 10 years.

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This facility is permitted by the Commonwealth of Pennsylvania (Permit #100403) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.8 MAHONING COUNTY LANDFILL

Mahoning County Landfill is located in Mahoning County, Ohio, on the border with Pennsylvania. It is approximately 20 to 25 miles from Beaver Borough. The landfill accepts all non-hazardous waste and does not accept any liquids or tires.

The facility is located on 60 acres, with 38 currently in use. It is authorized to accept 2,500 tons of waste daily and currently accepts an average of approximately 1,200 tons per day. The landfill's expected annual tonnage is 250,000 tons. There are currently no tonnage limits on individual waste types.

The Mahoning County Landfill is lined with a 3-foot compacted clay liner, GCL synthetic liner, and a geomembrane. Leachate is collected and either recirculated or hauled to PODW.

The permitted capacity of the Mahoning County Landfill is 10 million cubic yards. Last year approximately 450,000 cubic yards were filled. The landfill currently has 14 years of site life left.

The facility is permitted by the State of Ohio (PTI 02-5772) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

2.9 GREENRIDGE LANDFILL

Greenridge Reclamation is located in Westmoreland County, Pennsylvania. The facility accepts municipal solid waste (MSW), special wastes such as residual waste or contaminated soil, and asbestos. It does not accept any hazardous or infectious waste.

The site is comprised of 87 acres with an expected annual tonnage of 500,000 tons. Their daily permitted tonnage is 2,500 tons, however there are no tonnage limits on individual waste types. Currently, the facility has 7% of its capacity in use.

The landfill is lined with a dual composite liner system. Leachate is simply evaporated.

The permitted capacity of this facility stands at 3 and half million tons and has an expected life of anywhere from 10 to 14 years. As of yet there are no plans for expansion.

Greenridge Reclamation is permitted by the Commonwealth of Pennsylvania (Permit# 100281) and meets current Resource Conservation and Recovery Act (RCRA) Subtitle D and Pennsylvania requirements.

SECTION 3 ESTIMATED FUTURE CAPACITY

3.1 WASTE GENERATION PROJECTIONS

The data from Section 1 was used as a basis for projecting municipal and residual waste generation figures for the next ten years. Projecting waste generation and recycling rates is necessary to determine the waste processing/disposal capacity required by Beaver County. These projections make it possible to ensure proper management of all municipal and residual waste generated annually in the County.

Municipal waste generation is a function of a number of socio-economic factors including population. The forecast is for incremental annual increases in County's population over the next ten years. Table 3-1 shows the population projection for the County from 1990 to 2010.

TABLE 3-1
PROJECTED POPULATION FIGURES FOR BEAVER COUNTY

Year	Population
1990	186,093
1995	190,878
2000	195,663
2005	200,449
2010	205,234

The increase in population from 2000 to 2010 is expected to be 4.9 percent, based on population projections shown in Table 3-1.

Tables 3-2 and 3-3 at the end of this section show expected waste generation through 2010, with projections based on the County's population projections and actual MSW and recycling figures from 1996, 1997, 1998 and 1999. MSW generation is estimated by multiplying population by an annual generation rate of 4.47 pounds per person per day (.8158 tons per person per year), the per capita generation rate determined in Section 1. Construction and demolition (C&D) waste, sewage sludge, infectious waste, and asbestos are included in Total MSW Generated, but estimated tonnages are shown separately because: (1) there is some potential to divert a portion of the C&D and sewage sludge waste streams if appropriate markets become available; and (2) these wastes are subtracted from Total MSW prior to calculating the recycling rate¹. The projected tonnage of C&D waste is based on the average generation from 1996, 1998, and 1999², which is 0.207 pounds per person per day. Sewage sludge generation is estimated by using a per capita generation

¹ The reason for subtracting C&D waste, sewage sludge, incinerator ash and asbestos prior to calculating the recycling rate is because materials in these streams are not considered municipal waste under the EPA Standard. The EPA Standard is a method designed to be used by all states to promote more accurate comparisons of waste and recycling generation.

² 1997 C&D tonnage appeared exceptionally low and was considered an anomaly.

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factor of .23 pounds per person per day. Asbestos is estimated by using a per capita generation factor of .0234 pounds per person per day.

Recycling tonnages are estimated by multiplying the percent projected to be recycled by Total MSW Generated minus C&D waste, sewage sludge, asbestos, and infectious waste (see footnote 1). The projections in Table 3-2 assume a steady increase based on increased drop-off collection, increased collection of yard waste at the County's composting facility, improved data collection, and increased public education efforts, particularly among businesses, with the County reaching a 25 percent recycling rate by 2010. Table 3-3 projects a significantly greater increase, with the County reaching 35 percent diversion by 2010 by assuming more aggressive efforts, including acceptance of additional materials other than leaves and grass at the composting facility, enforcement of recycling requirements for businesses and recruitment of additional businesses to recycle and expand the materials diverted, and the addition of materials not currently being recycled.

The amount of waste requiring disposal/processing capacity in the system will include MSW Tons Remaining, C&D waste, sewage sludge and residual waste. It should be noted, however, that the County is not required to reserve capacity for residual waste. Beaver County has elected to reserve capacity for residual waste because it competes with municipal waste for space in area disposal facilities. It should be noted, however, that the County will not require residual waste to be delivered to these facilities. The capacity will simply be available if it is needed. Because the residual waste tonnage was very low in 1996 as compared to 1997, 1998 and 1999, projections for residual waste are based on the average generation for 1997 through 1999, which is 55,808 tons annually.

Counties with significant rural populations, like Beaver, will find meeting the 35 percent recycling goal significantly more difficult than more urban counties because of the relative lack of mandated municipalities and commercial establishments. Even an aggressive drop-off program would not likely match the diversion possible through curbside programs, and many businesses outside of the mandated municipalities may choose not to implement recycling because of cost. This is unlikely to change unless the County or individual municipalities make recycling mandatory for all or most County residents. Such a move would be politically difficult, and as a result, would probably not occur. The addition of materials not currently being recycled will be highly dependent on cost and the Department's ability to take on additional responsibility for managing these materials.

3.2 IMPACT OF RECYCLING ON FUTURE GENERATION PROJECTIONS

Table 3-3 assumes the County will increase the level of recycling and waste reduction to reach 35 percent waste diversion by 2010. As of 1999, the County had recycled 17.7 percent of its waste stream through public and privately initiated recycling and waste reduction efforts. This table illustrates that as the diversion rate increases, less capacity will be required for processing/disposal of the balance of the municipal waste stream.

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**TABLE 3-2
BEAVER COUNTY MUNICIPAL WASTE GENERATION PROJECTIONS
TONNAGE REQUIRED TO MEET 25 PERCENT RECYCLING GOAL**

Waste Type	YEAR														
	1996 Tons	1997 Tons	1998 Tons	1999 Tons	2000 Tons	2001 Tons	2002 Tons	2003 Tons	2004 Tons	2005 Tons	2006 Tons	2007 Tons	2008 Tons	2009 Tons	2010 Tons
Total MSW Generated	148,469	132,345	155,490	158,989	159,770	160,552	161,334	162,115	162,897	163,678	164,460	165,241	166,023	166,804	167,586
Recyclables															
- Newsprint/Magazines	2,249	1,836	2,123	2,054	2,451	2,525	2,599	2,673	2,749	2,825	2,901	2,979	3,056	3,135	3,214
- Office Paper	62	55	41	89	76	79	81	83	86	88	90	93	95	98	100
- Other Paper	765	338	375	273	380	392	403	415	427	438	450	462	474	486	499
- Corrugated Cardboard	5,746	4,440	3,832	3,448	4,272	4,400	4,529	4,659	4,791	4,923	5,056	5,191	5,326	5,463	5,601
- Clear Glass	848	730	716	735	852	877	903	929	955	982	1,008	1,035	1,062	1,089	1,117
- Mixed Glass	636	493	524	582	649	668	688	708	728	748	768	788	809	830	851
- Aluminum Cans	434	346	449	375	483	498	513	527	542	557	572	587	603	618	634
- Steel/Bimetal Cans	833	775	898	718	948	976	1,005	1,034	1,063	1,092	1,122	1,152	1,182	1,212	1,243
- Plastics	299	226	225	255	281	290	298	307	315	324	333	342	351	360	369
- Commingled Containers	310	996	552	763	772	795	818	842	865	889	913	938	962	987	1,012
- Yard Waste	2,363	1,901	2,029	2,199	2,481	2,556	2,631	2,707	2,783	2,860	2,937	3,016	3,094	3,174	3,254
- Other Materials	12,107	11,719	12,905	12,976	15,187	15,642	16,102	16,565	17,032	17,503	17,977	18,455	18,937	19,423	19,912
Subtotal Recyclables	26,652	23,853	24,668	24,467	28,832	29,697	30,570	31,449	32,336	33,229	34,130	35,038	35,952	36,874	37,803
C&D Waste	6,075	1,871	4,790	11,050	7,389	7,426	7,462	7,498	7,534	7,570	7,606	7,642	7,679	7,715	7,751
Sewage Sludge	7,237	8,620	7,828	8,797	8,221	8,261	8,301	8,341	8,382	8,422	8,462	8,502	8,542	8,583	8,623
Asbestos	615	1,232	561	890	835	839	843	847	851	855	859	863	868	872	876
Infectious	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0
MSW Tons Remaining³	121,818	108,491	130,821	134,522	130,938	130,855	130,764	130,666	130,561	130,449	130,330	130,204	130,070	129,930	129,783
Residual Waste	29,514	56,610	53,173	57,642	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808
County Population	191,835	192,792	193,749	194,706	195,663	196,620	197,577	198,535	199,492	200,449	201,406	202,363	203,320	204,277	205,234
Per Capita Per Day Generation Value (lbs.)	4.24	3.76	4.40	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47
Percent Recycling⁴	19.8%	19.8%	17.3%	17.7%	20.0%	20.5%	21.0%	21.5%	22.0%	22.5%	23.0%	23.5%	24.0%	24.5%	25.0%

³ Tonnages requiring disposal capacity; includes C&D waste, sewage sludge, asbestos, and infectious waste, but not residual waste

⁴ Based on Total MSW Generated minus C&D waste, sewage sludge, asbestos and infectious waste

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**TABLE 3-3
BEAVER COUNTY MUNICIPAL WASTE GENERATION PROJECTIONS
TONNAGE REQUIRED TO MEET 35 PERCENT RECYCLING GOAL**

Waste Type	YEAR														
	1996 Tons	1997 Tons	1998 Tons	1999 Tons	2000 Tons	2001 Tons	2002 Tons	2003 Tons	2004 Tons	2005 Tons	2006 Tons	2007 Tons	2008 Tons	2009 Tons	2010 Tons
Total MSW Generated	148,469	132,345	155,490	158,989	159,770	160,552	161,334	162,115	162,897	163,678	164,460	165,241	166,023	166,804	167,586
Recyclables															
- Newsprint/Magazines	2,249	1,836	2,123	2,054	2,451	2,648	2,846	3,047	3,249	3,453	3,658	3,866	4,075	4,286	4,499
- Office Paper	62	55	41	89	76	83	89	95	101	108	114	120	127	134	140
- Other Paper	765	338	375	273	380	411	442	473	504	536	568	600	632	665	698
- Corrugated Cardboard	5,746	4,440	3,832	3,448	4,272	4,614	4,960	5,309	5,662	6,017	6,376	6,737	7,102	7,470	7,841
- Clear Glass	848	730	716	735	852	920	989	1,059	1,129	1,200	1,271	1,343	1,416	1,490	1,564
- Mixed Glass	636	493	524	582	649	701	753	806	860	914	968	1,023	1,079	1,135	1,191
- Aluminum Cans	434	346	449	375	483	522	561	601	641	681	721	762	804	845	887
- Steel/Bimetal Cans	833	775	898	718	948	1,024	1,101	1,178	1,256	1,335	1,415	1,495	1,576	1,658	1,740
- Plastics	299	226	225	255	281	304	327	350	373	396	420	444	468	492	516
- Commingled Containers	310	996	552	763	772	834	896	959	1,023	1,087	1,152	1,217	1,283	1,349	1,416
- Yard Waste	2,363	1,901	2,029	2,199	2,481	2,681	2,882	3,084	3,289	3,495	3,704	3,914	4,126	4,339	4,555
- Other Materials	12,107	11,719	12,905	12,976	15,187	16,405	17,635	18,877	20,129	21,392	22,667	23,953	25,249	26,557	27,877
Subtotal Recyclables	26,652	23,853	24,668	24,467	28,832	31,146	33,481	35,838	38,215	40,614	43,034	45,474	47,937	50,420	52,924
C&D Waste	6,075	1,871	4,790	11,050	7,389	7,426	7,462	7,498	7,534	7,570	7,606	7,642	7,679	7,715	7,751
Sewage Sludge	7,237	8,620	7,828	8,797	8,221	8,261	8,301	8,341	8,382	8,422	8,462	8,502	8,542	8,583	8,623
Asbestos	615	1,232	561	890	835	839	843	847	851	855	859	863	868	872	876
Infectious	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0
MSW Tons Remaining⁵	121,818	108,491	130,821	134,522	130,938	129,406	127,852	126,278	124,682	123,065	121,426	119,767	118,086	116,384	114,661
Residual Waste	29,514	56,610	53,173	57,642	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808	55,808
County Population	191,835	192,792	193,749	194,706	195,663	196,620	197,577	198,535	199,492	200,449	201,406	202,363	203,320	204,277	205,234
Per Capita Per Day Generation Value (lbs.)	4.24	3.76	4.40	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47
Percent Recycling ⁶	19.8%	19.8%	17.3%	17.7%	20.0%	21.5%	23.0%	24.5%	26.0%	27.5%	29.0%	30.5%	32.0%	33.5%	35.0%

⁵ Tonnages requiring disposal capacity; includes C&D waste, sewage sludge, asbestos, and infectious waste, but not residual waste

⁶ Based on Total MSW Generated minus C&D waste, sewage sludge, asbestos and infectious waste

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SECTION 4 DESCRIPTION OF RECYCLABLE MATERIALS

This section describes the recycling activities taking place in Beaver County and the impact of recycling on the amount of municipal waste requiring disposal/processing capacity.

4.1 POTENTIAL RECYCLABLE MATERIALS IN THE MUNICIPAL WASTE STREAM

An examination of municipal waste generated in Beaver County indicates that approximately 60 percent is materials which could potentially be recycled. However, there are many factors that determine which materials are actually removed from the waste stream. These factors include but are not limited to: availability of markets for the materials; economics of a recovery system; competing options; and how easily the materials can be segregated for recovery. Table 4-1 shows the percent of the municipal waste stream by material and the potential number of tons available for recovery.

TABLE 4-1
RECYCLABLE MATERIALS AVAILABLE IN BEAVER COUNTY
MUNICIPAL WASTE STREAM IN 2000

Material	Percent of MSW ¹	Tons in MSW ²
Corrugated Paper	10	16,250
Newsprint	10	15,250
Glass(Clear and Colored)	9	14,625
Yard Waste	9	14,625
Office Paper	6	9,750
Appliances	4	6,500
Wood	4	6,500
Plastic (PET, HDPE only)	3	4,875
Steel and Bimetallic Cans	2	3,250
Tires	2	3,250
Aluminum Cans	1	1,625
TOTALS	60	97,500

4.2 EXISTING MATERIAL RECOVERY OPERATIONS

Over the past ten years, over 60 percent of the municipalities in Beaver County have initiated recycling programs. Twenty (Table 4-2) of the 54 municipalities have implemented curbside programs and eight of the 20 also have a drop-off program to collect some materials. Eleven other municipalities in addition to the County have initiated drop-off programs for the benefit of their residents and businesses. Several items of interest are to be noted:

¹ Based on a combination of sources including NSWMA and EPA

² Based on projected total MSW figure of 162,500 tons

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**TABLE 4-2
BEAVER COUNTY MUNICIPAL RECYCLING PROGRAM SUMMARY**

MUNICIPALITY	PROGRAM TYPE	GLASS	ALUMINUM	STEEL/ BI-METAL	CARD-BOARD	OFFICE PAPER	NEWSPRINT	MAGAZINES	PLASTIC	YARD WASTE
Aliquippa City	Curbside	X	X	X					X	X
Ambridge Boro	Curbside	X	X	X					X	X
Baden Boro	Curbside/Drop-off	X	X	X	X		X	X	X	X
Beaver Boro	Curbside/Drop-off	X	X	X				X	X	X
Beaver Falls City	Curbside	X	X	X			X	X	X	X
Bridgewater Boro	Drop-off		X				X			X
Brighton Twp	Curbside/Drop-off	X	X	X	X	X	X	X	X	X
Center Twp	Curbside	X	X	X					X	X
Chippewa Twp	Curbside	X	X	X			X		X	
Conway Boro**	Curbside/Drop-off	X	X	X	X		X	X	X	
Darlington Boro	Drop-off	X	X	X	X		X	X	X	X
Economy Boro	Curbside/Drop-off	X	X	X			X		X	
Franklin Twp**	Curbside	X	X	X			X		X	
Freedom Boro**	Curbside	X	X	X					X	
Greene Twp	Drop-off	X	X	X			X	X	X	
Hanover Twp	Drop-off	X	X	X			X	X	X	
Hopewell Twp	Curbside/Drop-off	X	X	X			X		X	X
Independence Twp	Drop-off	X	X	X			X	X	X	
Marion Twp	Drop-off	X	X	X			X	X	X	
Midland Boro	Drop-off	X	X	X			X		X	X
Monaca Boro	Curbside	X	X	X			X	X	X	X
New Brighton Boro	Curbside	X	X	X			X	X	X	X
New Sewickley Twp	Drop-off	X	X	X	X		X	X	X	
North Sewickley Twp**	Curbside	X	X	X		X	X	X	X	
Patterson Hghts Boro**	Curbside	X	X	X	X		X	X	X	
Patterson Twp**	Curbside	X	X	X			X	X	X	X
Raccoon Twp	Drop-off	X	X	X			X	X		
Rochester Twp**	Curbside/Drop-off	X	X	X	X				X	X
South Beaver Twp	Drop-off	X	X	X			X	X	X	
Vanport Twp	Drop-off				X		X	X		X
White Twp**	Curbside/Drop-off	X	X	X			X	X	X	X
BEAVER COUNTY*	Drop-off	X	X	X	X	X	X	X	X	

*Beaver County also accepts phone books, used motor oil, used antifreeze, and mixed paper

**Denotes non-mandated municipalities with mandatory curbside recycling programs

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- Eight (8) municipalities have instituted mandatory curbside collection programs even though their population is below 5,000 and thus are not required to do so by the Act.
- For curbside programs, three (3) municipalities use municipal forces for collection while the other 17 use the same private sector collector that provides refuse collection services.
- Of the municipalities with both curbside and drop-off collection, most provide a drop-off collection point for newspaper, magazines, corrugated cardboard, or yard waste.

Exhibit 3 (Appendix A) presents the amounts of each material recycled in Beaver County for the years 1996 through 1999 and Table 4-3 presents a summary of the amount of materials recycled by both the municipalities and the County. The County total includes the material recycled at the Brady's Run Park Recycling Center in Brighton Township and the material recycled from the various county facilities.

**TABLE 4-3
TOTAL TONNAGE RECYCLED IN BEAVER COUNTY**

Year	Municipal	County	Totals ³
1996	12,159	14,867	27,026
1997	9,048	14,829	23,877
1998	8,916	15,801	24,717
1999	9,508	14,959	24,467

The recycling percentage for Beaver County is based on the total amount of waste recycled divided by the total amount of waste generated (MSW generated minus C&D waste, sewage sludge, ICW and asbestos) as shown in Table 4-4.⁴

In addition to the County's recycling efforts at the Brady's Run facility, several commercial facilities are also available:

Metalife/Franklin Twp. in Franklin Township

All residential materials

J. J. Brunner, Inc. in Ambridge

All residential materials

Waste Management of PA in Ambridge

All residential materials

Skip's Recycling in Conway

Metals only

Philip Services Corporation in Beaver Falls

Metals only

³ Includes non-EPA Standard materials

⁴ The reason for subtracting C&D waste, sewage sludge, infectious and chemotherapeutic waste and asbestos prior to calculating the recycling rate is because materials in these streams are not considered municipal waste under the EPA Standard.

TABLE 4-4
PERCENTAGE OF MUNICIPAL WASTE RECYCLED

Generated	Year			
	1996	1997	1998	1999
Total MSW Generated	148,469	132,345	155,490	158,989
C&D Waste	6,075	1,871	4,790	11,050
Sewage Sludge	7,237	8,620	7,828	8,797
Infectious/Chemotherapeutic	0	74	0	0
Asbestos	615	1,232	561	890
Total minus C&D, Sewage Sludge, Incinerator Ash and Asbestos	134,542	120,548	142,311	138,252
Total Recycled	26,652	23,853	24,668	24,467
Percent Recycled	19.8%	19.8%	17.3%	17.7%

Specific information relating to the County's Brady's Run Recycling Center is shown in Exhibit 1 (Fact Sheet— Appendix B). This facility has proven to be a major success based on the amounts and types of materials recycled there.

In 1998, Beaver County implemented a yard waste composting and land application program. The details regarding this program are contained in Exhibit 2 (Appendix B). To date, over 6,000 tons of yard waste has been successfully removed from the disposal stream through the operation of this program.

In addition, 19 municipalities in Beaver County have implemented either curbside or drop-off collection of yard waste. A list of municipalities and how their programs are managed is contained in Table 4-5. Nine of the 19 municipalities are using the Beaver County composting facility to process some or all of their materials. Four are processing some or all of their materials on municipal property, and four are using farm sites for some or all of their materials. For another four municipalities, no processing site is provided.

The County also encourages residents to compost at home. It publishes a flyer on home composting, as well as a larger manual designed to help residents learn to compost at home and to troubleshoot problems encountered with composting at home.

The County has also instituted a program promoting the use of old newspaper as a bedding material. Exhibit 3 (Fact Sheet— Appendix B) contains a listing of the locations and times during which old newsprint can be deposited. It also lists those specific sites that will accept magazines.

Beaver County also accepts used oil at its Brady's Run Park recycling facility. Residents can recycle up to five gallons per day during specified collection times. The County produces a flyer that discusses the problems with improper disposal of used oil and that gives directions on how to recycle the oil. This flyer provides the hours and location of the County's used oil drop-off program.

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TABLE 4-5
MUNICIPAL COMPOSTING PROGRAMS IN BEAVER COUNTY

Municipality	Type	Materials	Collections		Site	End Use	
			Time	Frequency			
Aliquippa	Curb	l,g,b	S/F	Biweekly	m/c	Municipal property	County program
Beaver Falls	Curb, dropoff	l,g,b,s	As needed				
Bridgewater Bor.	Drop off	l,g,b	Ongoing		c		County Program
Brighton Twp.	Drop off	g,b,s			m	Municipal property	Residents
Center Twp.	Curb	l,g	Annual			Private farm	
Daugherty Twp.	Curbside	l	Fall	Weekly	c	County program	
Freedom Bor.	Curbside	g	Fall	Biweekly	m,c,f	County program	Farm land
Greene Twp	Tree Trim		Ongoing			Municipal property	Residents
Industry Bor.	Curbside Drop off	l g	Fall Spring, Fall	Weekly	m m	Municipal property	Residents
Koppel Bor.	Curbside	l	Fall	Biweekly	f	Farm land	
Midland Bor.	Curbside	g,b,s	Ongoing	Weekly	c	County program	
Monaca	Curbside	l	Fall	Weekly	c	County program	
New Galilee Bor.	Curbside	g	Fall	Biweekly	f	Farm land	
Patterson Heights Bor.	Curbside	l,g,b	Ongoing	Weekly	c	County program	
Petterson Township	Curbside	l	Fall	Weekly			
Potter Twp.	Curbside		Ongoing	Weekly			
Rochester Twp.	Curbside	l	Fall	Weekly	c	County program	
Vanport Twp.	Drop off	l,g,b	Ongoing		c	County program	
White Twp.	Drop off				m		

Materials - l=leaves, g=grass, b=brush, s=stumps

Site - c=county site, m=municipal site, f=farm

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The County also provides information to residents about how to manage and/or recycle materials that it does not manage. These materials include:

- **Household Hazardous Waste**—The County makes DEP’s brochure “Household Hazardous Waste: What Can You Do About It?” available to residents, and has produced a brochure entitled “Alternative Cleaning Materials for Use in the Home” to supply residents with information about non-hazardous and less hazardous alternatives for cleaning.
- **Paint**—The County distributes copies of a brochure entitled “Paint Recycling Program: Future Solutions Now!” that was prepared by the Pennsylvania Resources Council (PRC) and Wastebusters. This brochure provides information on managing old latex paint, and also provides information about ServiStar Hardware in Coraopolis (Allegheny County) which accepts old latex paint for recycling.
- **Construction Materials**—Beaver County makes available a flyer produced by Construction Junction, a warehouse for surplus and used building materials located in Pittsburgh. This facility accepts usable materials that can be used to renovate, build or remodel a home, except for out of code electrical products, appliances, items missing major parts, and asbestos siding and tiles. This facility also accepts latex paint for reblending, and unopened oil base paints.
- **Tires**—Beaver County publishes a list of tire dealers in the County that will accept old tires, including location, telephone number, and fee charged.

The Department of Waste Management also produces a model recycling ordinance to assist municipalities that wish to implement new recycling programs. This ordinance is provided in Appendix H.

4.3 MEASURES FOR INCREASING AMOUNT OF MATERIAL RECYCLED

Upon reaching the 25 percent recycling goal specified in Act 101, in late 1997 the Governor’s Office established a new goal of 35 percent recycling to be achieved by 2003. As indicated in Table 4-4, the recycling rate in Beaver County has averaged less than 20% over the last three years. Therefore, in order to reach the new goal, the County must focus on strategies designed to expand or supplement existing recycling programs and improve current data collection efforts. There are a number of strategies that fit this description and would help make it possible for the County to reach the 35 percent recycling goal within the specified time frame

Currently, 31 of the County's 54 municipalities have established either a curbside or a drop-off recycling program (Table 4-2). One strategy to boost diversion is to encourage the establishment of additional drop-off sites around the County to enhance the opportunity for citizens in the more rural areas of the County to participate in recycling activities. Information from the County Planning Commission regarding areas of potential population growth could be used to determine where such facilities could best be located to serve more than one municipality. Another strategy would be to encourage additional municipalities to implement curbside collection where it can be done efficiently and cost effectively. The

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County currently provides technical assistance to help any municipality that chooses to implement a curbside program.

During the past two years, over 12 tons of white goods have been recycled. The Department could consider instituting a drop-off program to increase this type of recycling effort. Also, efforts to increase the amount of both residential and commercial yard waste that is collected and delivered to the yard waste compost program can be investigated.

The greatest potential for increases in diversion exists with corrugated cardboard (OCC) and office paper, the primary materials generated in the commercial and institutional sector. According to Table 4-1, OCC and office paper alone are estimated at 16 percent of the municipal waste stream, or approximately 26,000 tons in Beaver County. Only 3,810 tons of these materials, plus other paper, were reported in 1999, or less than 15 percent of the estimated generation of these materials. Newsprint (ONP) also holds significant potential for expansion, and ONP and magazines/catalogs are also generated in significant volume by the commercial and institutional sectors. Businesses and institutions can be encouraged to reassess their efforts and expand recycling programs where it is economically feasible. Often, large businesses or business complexes exist in municipalities that are not mandated to recycle, so this effort should include promoting commercial recycling in these municipalities where it makes economic sense.

A new strategy would involve the collection and recycling of materials that are not a part of the ongoing recycling program. An area of interest appropriate for investigation involves the recycling of textiles where less than 20% of the amount being discarded is currently being recycled. Dumont Export Corporation, located in Philadelphia, Pennsylvania, recycles textiles that cannot be reused. It may prove to be beneficial to investigate the possibility of instituting such a program in Beaver County.

In a similar vein, the recycling of certain other types of materials not currently being recycled, possibly through a multi-county effort, would prove to be of benefit to Beaver County and the area surrounding it.

An expanded public education strategy could also help to reach school children. Both groups tend to strongly support recycling, and children are particularly good at taking the recycling message home. Educating these groups about recycling opportunities and encouraging them to reduce their waste and recycle more can help to contribute to improving the recycling rate. The County will look into working with the Council of Governments to reach these groups.

Finally, it is a certainty that there is more recycling in businesses and institutions than is currently being documented. Implementation of a pro-active attempt to obtain such information would probably result in an increase in the amount of commercial recycling being reported.

The County believes that concentrating on the types of strategies described above will increase the probability of meeting the 35 percent goal.

SECTION 5 SELECTION AND JUSTIFICATION

The purpose of this section is to describe the process used to select the overall waste management system for the County and provide justification for the selection. The County must ensure that the selected system provides the required capacity needed to properly process/dispose of all municipal waste generated within its boundaries for the next ten years.

Court decisions at the federal and state level, and a change in the state policy on flow-control, has put counties in a position where enforcement of municipal waste flow control requirements directing waste to a single facility is nearly impossible. This has not been a problem for Beaver County during the previous ten-year planning period because the 1990 Plan provided for flow control by directing that municipal waste be delivered to any of a number of qualified facilities. However, this 2000 Plan must continue to provide for a fair, open and competitive market for the management of municipal waste generated in the County.

To ensure a fair, open and competitive market for the management of the County's municipal waste stream, it is important to understand what this means. Below are definitions of these three terms:

- Fair - marked by impartiality and honesty, free from self-interest, prejudice or favoritism.
- Open - not restricted to a particular group or category of participants.
- Competitive - selling or buying goods or services in the same market as another.

The system defined in this Plan must ensure that the County meets its legislative mandate of securing disposal capacity for all municipal waste generated in the County and create the fair, open and competitive market place required by the state's new policy on the content of County Municipal Waste Management Plans.

5.1 OVERVIEW OF SELECTED MUNICIPAL WASTE MANAGEMENT SYSTEM

In the 1990 Plan, Beaver County implemented a municipal waste system that involves the use of a combination of private facilities. This Plan directs County licensed haulers and municipalities to deliver waste to any of these specified facilities, though the Plan does not guarantee specific amounts of waste to any of the facilities. It is the intent of this Plan update to maintain and expand on the concept of securing processing/disposal capacity with multiple facilities and continuing to direct licensed haulers and municipalities to the selected facilities for managing the municipal waste they collect.

The reasons for selecting to continue with the current system are as follows:

- **Fulfills Public Goals**— The system defined in this Plan was the preferred system selected by Beaver County communities and local officials when the 1990 Municipal Waste Management Plan was developed and approved. This fully integrated system was selected on its technical, economical, environmental and long-term merits that are discussed in detail in the earlier Plan.

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- **Efficiency**—Materials are currently flowing from points of generation to disposal or recycling sites with little or no difficulty. The locations of available facilities for processing and/or disposal of municipal waste (including C&D waste and sewage sludge) are convenient to County licensed haulers. Private processing facilities for recyclables are readily accessible to haulers. A public facility is available for the management of yard waste. Biosolids are processed by public sector WWTPs and disposed (with the exception of some land-application and reed bed processing) at private sector facilities.
- **Cost-Effectiveness**—Licensed haulers have the option of selecting the designated processing/disposal facility that offers the best opportunity to meet their individual needs to deliver MSW collected from County sources. Therefore, they are at liberty to use the facility offering the most competitive tipping fee, within the most reasonable driving distance from the areas serviced by the haulers, as long as they use facilities that are designated in this Plan. The locations of facilities are generally convenient and minimize transportation costs to the haulers.
- **Flexibility**—The County has not committed specific amounts of waste to any of the disposal facilities designated in this Plan. Therefore, if a County licensed hauler, municipality or business can secure a more competitive tipping fee at a facility other than those designated, additional facilities can be added as opportunities arise. This Plan defines a specific process and time-line for facilities to be added to the Plan in the future.

There are many options within a reasonable direct-haul driving distance from the County for managing recyclables, yard waste, and other special wastes. Having a number of facilities available results in competition that helps keep costs under control.

- **Sufficient Capacity**—The system has more than adequate capacity to manage all municipal waste and recyclables generated in Beaver County. There is no need to seek additional facilities or consider other management options unless a better business opportunity presents itself to a County licensed hauler, municipality or business, current designated facilities become unavailable, or changes occur in waste generation and composition or in costs associated with other management options.

5.1.a Recycling Systems

The County will depend on a combination of public and private sector efforts to provide for the processing and marketing of recyclables collected in Beaver County during this ten-year planning period. The existing facilities have sufficient capacity to manage the recyclables now being generated within the County, although the County will consider alternative management options when proposed.

The County continues to expand its drop-off recycling program and encourage new municipal programs to increase recycling in the County.

The County will encourage additional recycling whenever it is economically feasible. As noted in Section 4, this includes: 1) providing technical assistance to help non-mandated municipalities establish curbside or drop-off programs if the interest exists; 2) encouraging

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greater recycling of yard waste; 3) and encouraging businesses and institutions to reassess their efforts and develop and/or expand recycling programs when it is economically feasible.

Also as noted in Section 4, the County operates a County-wide composting facility to provide greater opportunity for the recycling of leaf and yard waste, and will promote use of this site and home composting as an alternative to disposal.

The County will look into opportunities to recycle additional materials as opportunities become available. With any potential new materials, the County will assess the efficiency and cost effectiveness of adding the material, its own ability to manage the material given the resources available, and whether or not the private sector could provide the service within the County.

The County will continue its public education efforts, particularly with school children, to encourage residents and municipalities to deliver more materials to its drop-off locations and to take materials not accepted in the drop-off program to other facilities that accept and recycle them.

5.1.b Existing Municipal Waste Disposal Systems

The County will have agreements with nine facilities to accept municipal solid waste from Beaver County. Table 5-1 provides a synopsis of the selected facilities. The total capacity that will be available to Beaver County through these agreements is 782,960 tons per year, over four times the projected capacity required for 2000 (130,938 tons, plus 55,808 tons of residual waste--the highest year projected over the ten year planning period). Three facilities--Brooke County Landfill and BFI's Carbon Limestone and Imperial Landfills, all facilities in the 1990 Plan--are each individually reserving around 80 percent of the capacity needed (145,000 tons, 150,000 tons, and 150,000 tons respectively) annually for Beaver County waste.

Even if there is a disruption in service for any reason at any of the facilities, there will be more than sufficient backup capacity for the foreseeable future.

The facility qualification process was conducted by collecting pertinent information on disposal/processing facilities desiring to be considered for inclusion in the Beaver County Plan through a process called "Facility Qualification Request" (FQR). The FQR packet that was provided to facilities is contained in Appendix C. The very basic requirements for a facility to be included in the Beaver County Plan were: (1) that the facility hold a valid permit issued by the state where the facility is located; (2) that it be operating in accordance with the provisions of its permit; (3) that it is currently accepting or can demonstrate that it will be accepting waste from Beaver County; and (4) that it agrees to comply with all the terms and conditions of the Beaver County Municipal Waste Disposal Capacity Agreement, including payment of the County's Administrative Fee on all Beaver County wastes disposed at the facility. Sixteen (16) responses were received, and nine were accepted. The

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TABLE 5-1
BEAVER COUNTY DESIGNATED DISPOSAL FACILITIES

Facility Name Contact Person Phone #	Average Daily Permitted Capacity	Daily Capacity Available to Beaver County	Current Capacity Obligation	Waste* Accepted	Tipping Fee	Escalator	Capacity Committed to County	Agreement Exceptions	Distance from Beaver Borough	Current Tipping Fee	Complete	Notes
Arden Landfill, Inc. Waste Management of PA, Inc. Jim Post (724) 222-3272 Washington, PA	2,400 tpd	600 tpd	Has committed capacity to Allegheny, Fayette, Greene, Washington & Westmore- land Counties	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$45.00 \$60.00 \$45.00 \$60.00	2% annually	100,000 tpy	None	30 miles	Not specified	X	Currently accepting waste from Beaver County
Brooke County Sanitary Landfill J.P. Mascaro & Sons Richard Kwiatkowski (304) 748-0014 Colliers, WV	769 tpd	560 tpd	Small amounts from Allegheny, Fayette, Greene & Washington Counties	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$36.00 \$36.00 \$38.00 \$36.00	3% annually	145,600 tpy	None	15 miles	Not specified	X	Currently accepting waste from Beaver County
Joseph J. Brunner, Inc. Joseph Brunner (724) 775-6665 Zelienople, PA	425 tpd	260 tpd	Has committed capacity to Allegheny & Butler Counties	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$43.25 \$43.25 \$43.25 \$43.25	2% annually	74,360 tpy	None	10 miles	\$43.25/ ton	X	Currently accepting waste from Beaver County
Carbon Limestone Landfill BFI of OH, Inc. Ted Dunchak (330) 536-8013 Lowellville, OH	6,500 tpd (max)	490 tpd	Has committed capacity to Armstrong, Lawrence & Mercer Counties	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$40.00 \$40.00 \$40.00 \$40.00	3% annually	150,000 tpy	None	31.1 miles	\$40.00/ ton	X	Currently accepting waste from Beaver County

TABLE 5-1 -- CONTINUED
BEAVER COUNTY DESIGNATED DISPOSAL FACILITIES

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Facility Name Contact Person Phone #	Average Daily Permitted Capacity	Daily Capacity Available to Beaver County	Current Capacity Obligation	Waste* Accepted	Tipping Fee	Escalator	Capacity Committed to County	Agreement Exceptions	Distance from Beaver Borough	Current Tipping Fee	Complete	Notes
Greenridge Reclamation Republic Services Group of PA IV, LLC Michael Yelinek (724) 887-1361 Scottdale, PA			Has other commit- ments, will not interfere with Beaver County	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$29.00 \$29.00 \$29.00	5% annually	78,000 tpy	None	81.5 miles	Not specified	X	Currently accepting waste from Beaver County
Imperial Landfill BFI Waste Systems of NA, Inc. Ted Dunchak (724) 695-0900 Imperial, PA	3,100 tpd	490 tpd	Has committed capacity to Allegheny, Butler, Washington & Westmore- land Counties	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$40.00 \$40.00 \$40.00 \$40.00	3% annually	150,000 tpy	None	21.5 miles	\$40.00/ ton	X	Currently accepting waste from Beaver County
Mahoning Landfill Waste Management, Inc. Dave Bower (330) 549-5357 New Springfield, OH	2,500 tpd	100 tpd	None specified	X MSW X C&D X Sldg. ICW Ash Asb. X Res.	\$26.00 \$22.00 \$26.00 \$26.00	3% annually	26,000 tpy	None	18 miles	Not specified	X	Currently accepting waste from Beaver County

TABLE 5-1 -- CONTINUED
BEAVER COUNTY DESIGNATED DISPOSAL FACILITIES

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Facility Name Contact Person Phone #	Average Daily Permitted Capacity	Daily Capacity Available to Beaver County	Current Capacity Obligation	Waste* Accepted	Tipping Fee	Escalator	Capacity Committed to County	Agreement Exceptions	Distance from Beaver Borough	Current Tipping Fee	Complete	Notes
Northwest Sanitary Landfill Waste Management of PA, Inc. Roy Ewing (724) 637-3552, ext. 126 West Sunbury, PA	2,000 tpd	200 tpd	Has committed capacity to Allegheny, Armstrong Butler, Clarion, Crawford & Mercer Counties, plus some out-of state	X MSW X C&D X Sldg. X ICW X Ash X Res.	\$45.00 \$60.00 \$45.00 \$60.00	2% annually	52,000 tpy	None	57 miles	\$40.00/ ton for specified wastes	X	Currently accepting waste from Beaver County
Seneca Landfill, Inc. Edward R. Vogel (724) 625-1511 Evans City, PA	780 tpd	22 tpd	Has committed capacity to Allegheny, Armstrong Butler, Clarion, Crawford, Mercer & Venango Counties	X MSW X C&D X Sldg. X ICW X Ash X Asb. X Res.	\$70.00 \$70.00 \$70.00 \$110.00 \$110.00 \$70.00	Based on CPI; 7% mini- mum	7,000 tpy	None	25 miles	\$60.00/ ton	X	Currently accepting waste from Beaver County

*MSW-Municipal Solid Waste; C&D-Construction & Demolition Waste; Sldg.-Sewage/Municipal Sludge; ICW-Infectious & Chemotherapeutic Waste; Ash-Incinerator Ash; Asb.-Asbestos; Res.-Residual Waste

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Laurel Highlands, Monroeville, South Hills, Valley, Tri-County and Wetzel County Landfills were not qualified for the Plan because they are not receiving, nor do they have commitments to receive, waste from Beaver County. All qualified facilities are sanitary landfills. In addition to the information presented in Table 5-1, all facilities have agreed that they will donate some tonnage for waste disposal from non-profit activities such as road adoptions and illegal dump clean-ups.

The Waste Management Transfer Station in Ambridge will be licensed as a waste hauler, rather than be qualified as a disposal facility, and as a licensed hauler will be required to deliver waste to one of the disposal facilities designated in this Plan.

Beaver County's Solid Waste Management Ordinance (Appendix D) requires that all municipal waste generated in Beaver County must be delivered to County Designated Facilities. It should also be noted that Beaver County operates a hauler licensing program. One condition of this program is a requirement that municipal waste haulers in Beaver County must deliver Beaver County municipal waste only to facilities designated in the Plan. This is how the County assures delivery of waste only to designated facilities.

Because the current hauler licensing program does not address transfer stations as haulers, the County will revise its hauler licensing program to include provisions for the licensing of the transfer station under this program. The Rules and Regulations that govern the hauler licensing program, along with hauler licensing materials, are also contained in Appendix D.

The planned disposal system appears to be efficient and cost-effective. Having multiple facilities available promotes competition that will help to keep the system cost-effective. Having several facilities should also promote efficiency by giving haulers the option of using the closest facility. As noted above, the disposal system is more than sufficient to meet the disposal needs of the County and the County is not exploring further options for this ten-year planning period.

5.1.c Procedure to Add Facilities

If a County licensed hauler, municipality or business desires to utilize a facility for processing or disposing of municipal waste other than those currently under Agreement with the County and duly designated in this Plan, the procedure described below must be followed to obtain County authorization to use another facility. The County is ultimately responsible for disposal of County generated municipal waste. When refuse is delivered to facilities in Pennsylvania, the facility operator is required to identify the origin of the waste by County if from in-state sources. Therefore, the County assumes certain liabilities for refuse delivered from County sources. The County must be certain that any facility used for the deposition of its waste minimizes the County's risks by operating a facility that is in full compliance with state and federal rules and regulations. The following procedure will enable the County to be reasonably assured that County generated waste is being properly managed.

The procedure is as follows:

- First, a County licensed hauler or municipality must petition the County using the one page form shown in Exhibit 5-1 to have a facility considered for addition to this Plan.

EXHIBIT 5-1
BEAVER COUNTY PROCESSING/DISPOSAL FACILITY
PETITION FORM TO ADD A FACILITY

Purpose of Petitioning Process - Beaver County has, through Disposal Capacity Agreements, secured a sufficient amount of disposal capacity for all municipal waste generated from County sources. However, business opportunities may arise for County licensed haulers or municipalities with processing/disposal facilities other than those designated in the County's Municipal Waste Management Plan (Plan) that attract the interest of these parties to use another facility. Therefore, the County's Plan has defined a process by which additional facilities can be added to the Plan. This form is used to notify the County of a party's interest in using another facility and provides the County with the necessary information to contact a facility representative to qualify the facility as a participant in the Plan. Please complete this form and forward to the:

Beaver County Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066

Petitioning Party's Name: _____

Address: _____

Phone Number: _____

Name of Requested Facility: _____

Facility Contact Person: _____

Facility Address: _____

Phone Number: _____

Fax Number: _____

E-Mail Address: _____

Explanation for requesting additional facility:

(Attach Additional Sheets if Necessary)

- After receiving the petition, the County will forward a copy of the FQR to the facility being requested for inclusion in the Plan.

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- Upon receipt of the completed FQR from the facility in question, the County will review and respond to the information in the FQR.
- If all information is in order, the County will request an executed Disposal Capacity Agreement from the facility.
- After fully executing the Agreement, the County will notify by letter all County municipalities, licensed haulers, and DEP that a facility has been added to the Plan.
- At that time any hauler, municipality or business will be at liberty to use the facility for disposal of Beaver County generated municipal and/or residual waste.

It is the intent of the County to make the process of adding a facility as simple and expeditious as possible. If the facility representative responds in a timely manner to the FQR, the entire process could take less than sixty days.

Appendix C (the Facility Qualification Request) is a complete packet with instructions to successfully complete the process of adding a facility to this Plan. Again, the process is set up to allow the County to monitor where County generated municipal waste is being handled to minimize risk of liability.

5.1.d Existing Alternatives

There are currently no known options in Beaver County, other than those described within this plan, for the processing and marketing of recyclables and yard waste, processing and disposal of municipal waste (including C&D waste and sewage sludge), and processing and/or disposal of biosolids/septage, and infectious and chemotherapeutic wastes.

Recycling

There are numerous alternatives available inside and outside the County for the processing and marketing of recyclables and yard waste. Haulers, businesses, institutions and individuals may choose to deliver materials to any facility that processes materials for recycling. Any of these entities may choose to haul their recyclables to any chosen processor and/or market if the economics of doing so are in their favor. A statewide list of recycling markets is available from the DEP, and county recycling coordinators keep lists of all processors and markets for their own counties. While the County believes that the current system is adequate and cost effective, there is no requirement that these materials be delivered to facilities within the system described in this plan.

Disposal

There are other MSW permitted landfills located within the region that have the potential for serving Beaver County. These facilities have the option of being designated in this Plan in the future if they meet the conditions cited above and qualify for inclusion through the process set forth in this Plan.

5.2 CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

Beaver County currently relies on the existing infrastructure for managing disposal of C&D waste. There is no known recycling of C&D waste generated in Beaver County at this time. Provision for the disposal of C&D waste is included in the County's disposal capacity

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agreements with the nine facilities presented in Table 5-1. As noted, there is more than sufficient capacity to manage this waste. The County does not anticipate managing C&D waste for recycling at this time.

However, the County would support the recycling of components of this waste stream if cost effective options become available. Table 5-2 provides estimates for the amounts of each component of this waste stream based on the anticipated generation of C&D waste over the ten-year planning period. The percentages of each material are based on the percentages determined as part of a 1998 study of the feasibility of C&D waste recycling in Lancaster County.

The largest categories by weight, each at more than 10 percent of the total C&D waste stream, are, in order of generation:

- Wood – 25.3 percent
- Roofing/Shingles – 18 percent
- Concrete/Brick/Dirt/Asphalt – 17.8 percent
- Drywall/Plaster – 13.2 percent

Assuming all of this material could be diverted, there is a potential to divert, on average, nearly 4,600 tons of material per year. Diversion of this material would be dependent, however, on availability of markets, and there are no major markets in the region for these materials. Cost effectiveness is dependent on the proximity of markets. If materials must be shipped great distances to be recycled, recycling of these materials becomes cost prohibitive.

Another barrier to recycling has to do with how materials are collected. The Lancaster County study found that C&D waste was being delivered to the Lancaster County Solid Waste Management Authority's facilities in predominantly mixed loads. While it is possible to sort C&D components for recycling, sorting would add significantly to the cost of operating a program. If markets were to become available for any of the major components of the C&D waste stream, generators would need to be trained to segregate the marketable materials and deliver them based on market requirements.

There are, however, some low to reasonable cost options that the County could investigate for encouraging diversion of some materials from C&D waste. Some of the materials and potential outlets include:

- **Metals:** It is assumed that metals separation is already taking place, based on the low percentage of metals found in C&D waste. Exactly which metals and how much is removed are probably determined by market value. In the Lancaster study, most of the higher value metals such as copper, brass and aluminum were not observed, or observed in very small amounts and mixed with other materials.

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TABLE 5-2
BEAVER COUNTY CONSTRUCTION & DEMOLITION WASTE GENERATION PROJECTIONS BY MATERIAL

C&D Waste Categories	YEAR														
	1996 Tons	1997 Tons	1998 Tons	1999 Tons	2000 Tons	2001 Tons	2002 Tons	2003 Tons	2004 Tons	2005 Tons	2006 Tons	2007 Tons	2008 Tons	2009 Tons	2010 Tons
--Wood (25.3%)	1,537	473	1,212	2,796	1,523	1,531	1,538	1,545	1,553	1,560	1,568	1,575	1,583	1,590	1,598
--Roofing/Shingles (18.0%)	1,094	337	862	1,989	1,084	1,089	1,094	1,100	1,105	1,110	1,115	1,121	1,126	1,131	1,137
--Concrete/Brick/Dirt/ Asphalt (17.8%)	1,081	333	853	1,967	1,072	1,077	1,082	1,087	1,093	1,098	1,103	1,108	1,114	1,119	1,124
--Drywall/Plaster (13.2%)	802	247	632	1,459	795	799	802	806	810	814	818	822	826	830	834
--Ferrous (1.9%)	115	36	91	210	114	115	116	116	117	117	118	118	119	119	120
--Corrugated (1.6%)	97	30	77	177	96	97	97	98	98	99	99	100	100	101	101
--Aluminum (0.7%)	43	13	34	77	42	42	43	43	43	43	43	44	44	44	44
--Other Waste Components (21.5%)	1,306	402	1,030	2,376	1,294	1,301	1,307	1,313	1,320	1,326	1,332	1,339	1,345	1,351	1,358
Total C&D Waste	6,075	1,871	4,790	11,050	6,020	6,050	6,079	6,109	6,138	6,167	6,197	6,226	6,256	6,285	6,315

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- **Wood:** Some wood could be diverted for composting or manufacturing of mulch. Using wood for either of these purposes would require processing to separate contaminated or otherwise treated wood from “clean” wood. The uncontaminated wood could be chipped and incorporated into composting operations as a bulking agent, or chipped or shredded and used as mulch. The material could be used on County properties, provided at little or no cost to residents, or marketed to businesses.
- **Concrete, Brick, Dirt and Asphalt:** Some of this material could be crushed and marketed as aggregate substitutes, though the ability to do this is highly dependent on economics and the availability of what are considered to be better aggregates. Asphalt can be reclaimed and used in road building and maintenance. In the absence of specific markets, these materials can be diverted from sanitary landfills to be used as clean fill.

The preferred method for managing C&D wastes for recycling, where markets exist, is source separation. Educating contractors and others who generate this waste may be difficult, however, and some type of sorting and processing would probably be required to generate material that would be acceptable to the markets. The Lancaster study considered the cost to build and operate a C&D waste recycling facility. The capital cost was estimated at approximately \$6,900,000, though it should be noted that this is for a facility that would manage C&D waste from Lancaster County, which generates very high volumes of this waste. More important for long term consideration is the cost of operation. The Lancaster County study estimated that the fee required to offset expenses was \$31.55 per ton. The processing expenses for Beaver County, with significantly lower generation of material (historically, Lancaster County has generated in the 60,000-65,000 tons per year range) and lack of markets, would almost certainly be greater. There would also be additional expense for residue disposal at whatever the negotiated tipping fee might be.

While the County would like to consider C&D waste recycling over the next ten years, it should be noted that it is unlikely that it will be found to be an economically feasible option. However, the County will encourage recycling of materials from C&D waste when it is economically feasible.

5.2.a Home Demolition Waste

Home C&D waste generated during remodeling, roof or shingle/siding replacement, home additions, flooring replacement, etc. often ends up in illegal dumps in an effort to avoid the cost of disposal. Some haulers will not accept this material when placed at the curb, even though all facilities in this Plan are permitted to accept C&D waste. Some homeowners in municipalities with individual subscription services may have chosen not to have waste collection service. When it is a burden for homeowners to haul this material to a disposal facility, or when a contractor who has agreed to dispose of the material decides to avoid the cost of disposal, some of this waste may be dumped illegally.

The County will consider investigating options for the safe disposal of small volumes of C&D waste such as those described above, including, but not limited to: requiring haulers to pick up these materials and deliver them to a County designated disposal facility as a condition of licensing; educating citizens about the availability of safe and legal opportunities to dispose of these materials; educating residents about the option to rent

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dumpsters or rolloff containers for collection and disposal of wastes created during remodeling projects; arranging for acceptance of this material at one or more of the County designated disposal facilities; providing a drop-off site for these materials; enforcing the County's municipal waste ordinance as it applies to illegal dumping.

5.3 BIOSOLIDS AND SEPTAGE MANAGEMENT SYSTEM

Beaver County will continue to rely on the current system for managing biosolids generated by wastewater treatment plants. Biosolids management involves processing of wastewater at 18 publicly operated facilities into biosolids that are primarily landfilled. Of the 16 facilities that responded to a County survey, 11 facilities use landfilling, one facility uses a reed bed system, one uses land application and another is applying for a permit for land application, two transport material to Monaca, which landfills its sludge, and two did not report how sludge is disposed. All disposal facilities contained in this Plan accept biosolids for disposal and this material is included as part of the disposal capacity reserved for Beaver County.

There are two in-County wastewater treatment plants (WWTPs) that currently accept septage for processing and/or disposal. Four of six septage haulers that responded to a County survey indicated that they believe additional capacity is needed. It should be noted that two potential options for managing septage are described in Section 1: 1) McCutcheon Enterprises, Inc., based in Apollo, Westmoreland County; and 2) Dalton's Services, Inc., based in the City of Beaver Falls, Beaver County. The County will work with the County Conservation District to look into these and other options for managing septage to ensure that sufficient capacity is available to septage haulers for the disposal of septage. This will require that the County apply for additional funds under a Section 901 Planning Grant to conduct the work.

5.3.a Sludge Processing and Disposal Alternatives

5.3.a.1 *Land Application*

Sewage sludge can be disposed by spreading it on or injecting it into farmland (or abandoned mining lands for purposes of reclamation). Land application is typically the simplest and least costly method of disposing of sludge. Land application provides a means to dispose of sludge as well as a source of nutrients for the receiving soil. As with other disposal methods, a DER permit is required to operate a land application site. The permit is issued for a particular sludge source, and states the maximum allowable rate of application of sludge, (the rate is based on characteristics of the sludge, the uptake rate of nitrogen by the crop grown on this site, and the site's soil on the site characteristics).

Environmental concerns associated with land application include possible nitrate contamination of underground drinking water sources, accumulation of heavy metals in the receiving soils, and high nutrient loadings to surface waters that receive runoff from the site.

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There are several limitations to the use of land application for sludge disposal. Increasingly stringent regulation by DER has been restricting the availability of sites as well as the maximum allowable annual and lifetime loadings of sludge on sites.

The EPA has also proposed sludge disposal rules (DFR Section 503) that would greatly curtail the use of land application. The final rules, however are widely expected to be less restrictive than the version that has been proposed. The major limiting conditions in the proposed Section 503 rules would be copper and zinc loading rates, but errors in assumptions have been found which should result in these metals limitations being relaxed in the final regulations.

The availability of sites has been reduced by the conversion of farmland into housing and commercial areas. A further limitation of land application is that having a permitted site does not insure a sludge generator of a constant disposal outlet. Weather conditions periodically limit the ability to apply sludge such as when the ground is snow-covered or saturated. Also, unless the wastewater authority that generates the sludge owns the site or has suitable provisions in its agreement with the landowner, the owner might choose to make a parcel unavailable for sludge application.

Representatives of most Beaver County wastewater treatment plants indicated serious concern over long-term viability of land application. As existing permitted sites are permitted under state regulations, the majority of sites may be lost, due to either more restrictive DER requirements or the concern of site owners over permit certifications they must approve.

Untreated septic tank and holding tank pumpings are also land applied and accepted at some wastewater treatment plants. AS with treatment plant sludge, the site must be permitted by DER.

5.3.a.2 Drying and Pelletization

In a sludge pelletization process, stabilized sludge is dewatered and heat-dried to a 5-10% moisture content, and is then formed into pellets or granules for use as a fuel or as a fertilizer. Advantages of pelletization include the reduced storage requirement for the pellets compared to unprocessed sludge and the elimination of the offensive odor, provided the pellets remain dry.

The environmental concerns associated with pelletization are similar to those of land application, with the additional possibility of the emission of odors or contaminants with the moist gas stream during drying.

The palletized sludge can be used through land application following the procedures above, or can be marketed as a product. Distribution and marketing of palletized sludge depends upon specific markets. The marketing is often done by a system vendor operating the drying an pelletizing facility under a service agreement.

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5.3.a.3 *Landfilling*

Sewage sludge can be disposed in a landfill. The sludge must be dewatered to a minimum solids content of 20% and must meet quality characteristics similar to those required for land application. As a special handling waste, sewage sludge cannot be landfilled without a landfill permit modification. Each sludge source must obtain a separate modification approval. The application for a permit modification must include an analysis of alternatives to landfilling and an explanation of why disposal at a landfill is being proposed.

Acceptance of sewage sludge imposes additional costs upon the landfill, including the costs of administering the permit modifications and the extra handling effort on the part of the equipment operators. Many Pennsylvania landfills are quoting sludge tip fees that are 10 to 25 dollars (per wet ton) higher than fees for conventional municipal solid waste. For most Beaver County wastewater authorities, landfilling would involve the added costs of installing and operating dewatering systems. Recent proposals from existing landfills listed prices for disposal of sludge ranging from \$53-\$75 per wet ton plus the cost of transportation which is estimated at \$8-\$15 per wet ton.

5.3.a.4 *Incineration*

Incineration of sludge is a two-step process consisting of drying followed by combustion. Incineration of sludge with refuse has not proven to be viable. Sludge incineration is an expensive process that requires a net energy input. There are few sludge incinerators in Pennsylvania. A benefit of incinerating sludge is that the ash residual is organically stable and free of pathogens. Incinerator ash has been applied to agricultural land for use as a soil conditioner. Environmental concerns related to incineration and the associated ash landfilling include air emissions from the incinerator and contamination of groundwater with leachate produced by the ash residue in the landfill. The ash can contain high concentrations of heavy metals.

5.3.a.5 *Composting*

Wastewater sludge can be composted, alone or with other wastes, into an organically stable humus material that is useful as a soil amendment. Some essential factors for successful composting are moisture content, material structure, energy (carbon) content, nutrient content, and aeration. The moisture content can be modified, in part, by dewatering the sludge prior to composting. A "bulking agent" such as sawdust, woodchips, leaves, shredded paper, shredded tires, mixed municipal refuse, and finished compost, is added to provide porosity for aeration. Most of the bulking agents identified above reduce the moisture content, and some may be added for their energy content as well as for their moisture-reducing and bulking properties.

Aeration is provided by one or both of the following: (1) agitation of the material by mixing and turning the pile and (2) forced aeration by blowers connected to a network of perforated pipes.

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The four general types of composting methods are agitated bed (agitated trough) in-vessel systems, non-agitated in-vessel systems, aerated static pile systems, and windrow systems. In the windrow method, the mixture is formed into long piles having a triangular cross section. The windrows are maintained in an aerobic condition by mixing and turning the piles. The bulking agent for this method must be chosen carefully. Woodchips or shredded tires would be acceptable but the other types of bulking agents don't provide enough porosity. This method of composting is not appropriate for this part of the country. Contaminated rainwater would have to be collected and treated, or the entire process would need to be enclosed.

The aerated static pile method involves placing the mixture over perforated piping. The piping system is connected to an air blower which draws air through the pile and maintains aerobic conditions. This system also requires the more rigid bulking agents to provide the necessary porosity. Odors are controlled by treating the exhaust air.

The in-vessel systems use horizontal or vertical enclosed reactors through which the sludge/bulking agent mixture travels as it decomposes. Aeration is provided by blower systems. This method also requires use of the more rigid bulking agents and often has difficulty in maintaining proper moisture levels throughout the system.

The agitated in-vessel system involves turning the compost mixture daily using a rotomixer or other mechanical device. This option allows for the use of any of the bulking agents including leaf waste, shredded paper and shredded refuse. This method also results in a more homogeneous compost product.

Based on the above discussions, the agitated in-vessel system was selected as the most effective composting method for this area. It allows for good process control, odor control, and use of a variety of bulking agents. Based on a study done in June 1989 by Gannett Fleming, Inc. for the Municipal Authority of the Town of Bloomsburg, PA under a grant from the Department of Environmental Resources, the agitated in-vessel system was also found to be the most economical composting method studied.

There are few environmental concerns associated with sludge composting, particularly if the composting facility is enclosed. An enclosed facility can control odor and eliminate the concerns with leachate and with dispersal of pathogens. In general, composting improves the environmental characteristics of the sludge by stabilizing its organic content and killing pathogens. AS with any other process, composting cannot eliminate any heavy metals that originally were present in the sludge.

DER composting regulations require proper testing and management of heavy metals and certain other potentially harmful contaminants. Specifically, the facility must provide a chemical analysis of the sludge every four months. Also, the facility must provide a chemical analysis of the compost prior to its sale, utilization, or disposal.

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The proposed EPA sludge use rules, described previously, also address the use of composted sewage sludge. As with land application, the rules, as proposed, could greatly curtail the usability of sewage sludge compost. However, the final rules are expected to be less restrictive.

Markets for the sludge compost cannot be completely assured before samples of the product have been produced and tested. As noted previously, the material must be approved as sufficiently low in potentially harmful contaminants before it can be distributed. Sludge compost of sufficient and consistent quality can compete successfully against other soil conditioners, topsoil substitutes, and potting media. In fact, some sludge composts have experienced a demand exceeding their supply. The composting facility can market the compost directly or can contract with a compost marketing firm that then assumes marketing responsibility.

5.3.b Evaluation for Sludge Disposal

Criteria used for evaluation included economics, risk environmental benefits, recycling, in-county status and compatibility.

5.3.b.1 Economics

Land application is the least costly of the options under consideration. Incineration and pelletization are the most costly due to the energy required for the processes. Landfilling is the easiest waste disposal method for many sewage treatment plant operators.

5.3.b.2 Risk

Composting and incineration reduce environmental risks by neutralizing pathogens. However, the residue from incineration must be disposed of at a landfill licensed to accept ash, and this increases the risk of groundwater contamination which is such an important concern for land application and pelletization. There are also other project risks. Marketing the compost may be difficult if not handled properly. Land application sites may be further reduced due to regulations requiring land owners to modify their land deeds to include any sludge disposal permits. This modification could affect future sale of the land. The regulations will also require access to the land by inspectors working for Division of Environmental Regulations. This access is resented by many owners of potential land application sites and this resentment affects their decisions. Response to questionnaires from area waste water treatment plant managers reflect this concern for fewer sites and increased costs.

5.3.b.3 Environmental Benefits

Land application, composting, and pelletization return the nutrients in the sludge to the soil; incineration and landfilling do not.

5.3.b.4 Recycling

If the sludge is co-composted with solid waste or leaf and yard waste, the beneficial impact on recycling can be significant.

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5.3.b.5 In-County Status

Currently, most sewage sludge in Beaver County is land applied or landfilled, a majority is disposed within the County, the remaining sludge is disposed out-of-county or state. By constructing a sludge composting facility in Beaver County, the sludge can be handled in an environmentally efficient manner.

5.3.b.6 Compatibility

Composting is the only option that is compatible with other aspects of the Solid Waste Management Plan. The ability to accept various bulking agents allows for the combined disposal of leaves/sludge, paper/sludge, leaves/paper/sludge, or solid waste/sludge.

In the evaluation of the sludge composting option, several scenarios were considered. The sludge generating facilities were polled and quantities of sludge were identified, common bulking agents for sludge, was compared to a combination of leaves and shredded paper.

5.3.c Long-Term Processing and Disposal Alternatives

Based on the above evaluation of various sludge disposal options available to Beaver County, the following action is recommended:

- Determine through additional analysis if a sludge composting facility capable of servicing the entire County is economically feasible. This facility could utilize leaves and shredded paper as bulking agents.
- Set forth a time frame that a composting facility can be constructed, possibly prior to the end of 1992 or early 1993 to coincide with the stat-mandated repermitting of agricultural land for the direct application of sludge.

5.4 INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

The current system for managing infectious and chemotherapeutic waste generated in hospitals, nursing homes and other medical facilities, which is managed solely by the private sector, is adequate for handling this material. The County will continue to rely on this system and is not considering other options for this ten year planning period.

5.4.a Home Medical Waste

Small amounts of medical wastes are generated in the home, mostly related to the administration of drugs and changing dressings. When generated in the home, this waste, which is a special handling waste when generated in medical and nursing facilities, may be disposed of with other residential wastes.

However, because of the danger to haulers, primarily from "sharps" used for activities such as blood testing and drug injections, mostly by diabetics, Beaver County will consider producing a brochure to provide information to residents about the safe disposal of these wastes. Over the past few years, this type of information has been more readily available through individual doctors and clinics and pharmacies. Some doctors and pharmacies provide sharps containers to patients who use syringes, lancets, and similar instruments and permit patients to return them for disposal.

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Options for helping to educate the public could include: (1) working with doctors and pharmacies to provide sharps containers; (2) encouraging patients to request sharps containers from their doctor or pharmacy; (3) providing instructions on how to dispose of sharps safely if dedicated containers are not available; and (4) providing information on the safe disposal of other medical wastes. Information related to all of these options could be included in a brochure as mentioned above.

5.5 HOUSEHOLD HAZARDOUS WASTE

DEP reports that Pennsylvania's four million households generate around 25,000 tons of waste that is hazardous in nature. Household hazardous waste, or HHW, includes such items as paints, pesticides and herbicides, drain cleaners, pool chemicals, solvents, and cleaning products. While these products are exempted from regulation as hazardous wastes and may be disposed with other municipal waste generated in the home, they can present hazards for homeowners and waste collectors, particularly if the materials leak from their packaging.

Pennsylvania encourages counties and municipalities to establish collection programs to manage this waste for recycling and/or disposal. Beaver County will consider establishing an HHW collection program if it can find an efficient and cost effective method that will not result in large expenditures by the County or its residents.

While grant funding is available for HHW collection programs, it covers only 50 percent of eligible costs. HHW collection programs can be quite expensive, and unless there are strict limits on materials accepted, they can easily incur extensive cost overruns. Before implementing a program, the County will ensure that sufficient funding is available to match any funds provided by the state, preferably through assistance from the private sector and/or the municipalities that would benefit from a program. Also, the County would ensure that high quantity materials such as used oil and paint are diverted as much as possible by other means.

In the past, the County has participated in the Pennsylvania Department of Agriculture's Chemsweep program. This program is designed to provide all citizens of the state with an opportunity to dispose of old, unusable or unwanted pesticides. The program is managed by the Department of Agriculture and the Penn State Cooperative Extension, with funding from the federal government. Because of the high cost to dispose of these materials, particularly for farmers or commercial establishments left with large quantities of pesticides that have been phased out or discontinued, these materials are often stored or disposed improperly, creating safety hazards or environmental liabilities. Through the Chemsweep program, pesticide users can legally dispose of pesticides at no cost. Approximately 90 percent of the pesticides collected are burned in EPA approved incinerators, with the remainder offered for recycling or treated and placed in a hazardous waste landfill. Unfortunately, this program is not available to every county every year, but it is expected that Beaver County will have another opportunity to participate sometime over the ten-year planning period.

Regardless of whether or not a program is implemented, Beaver County will engage in educational efforts to ensure safe disposal when disposal is required, and use of less

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hazardous or non-hazardous materials when possible. At a minimum, the County will make information available to residents through a Household Hazardous Waste brochure produced by DEP. For further information, County residents can call DEP's HHW Hotline at (800) 346-4242.

5.6 INAPPROPRIATE METHODS OF DISPOSAL

Every county in Pennsylvania has had to address problems that result if its residents do not dispose of the wastes they generate in a legal, responsible manner. This section addresses the most common illegal disposal practices.

5.6.a Illegal Dumping

Like most counties in Pennsylvania, illegal dumping is prevalent in rural areas of Beaver County. While most would view illegal dumps as eyesores, they also create significant concerns for public health and safety, property values, and the general quality of life. When they are ignored, these sites often become chronic dumping areas. Preventing illegal dumping will require the County to address factors that contribute to this problem. Cleaning up existing dumps will require cooperation from residents, businesses, haulers, and disposal facilities in the area.

Pennsylvania, and counties like Beaver in particular, have a problem because of the large number of municipalities that manage residential waste through individual subscription systems. In these municipalities, some residents choose to dump their waste illegally rather than pay for a hauler to collect their waste and dispose of it properly. However, there are other factors that contribute to the problem. Some haulers will not collect what might be considered construction and demolition waste generated at the residential level as a result of remodeling and similar activities—materials such as drywall, roofing shingles, siding, lumber, bricks, and concrete. Other difficult to dispose of items such as tires, auto parts, appliances, and furniture also end up in illegal dumps. Proper disposal of these materials may require hauling them to a disposal facility during operating hours and paying to dispose of them, an inconvenience or expense that dumpers may wish to avoid.

The County will provide language that municipalities could adopt to help address illegal dumping in their communities, including language for building permits and some type of uniform building code that addresses the disposition of construction and demolition waste.

Beaver County's Solid Waste Management Ordinance does not address illegal dumping specifically, but it does contain the following language that could be used for enforcement against illegal dumping:

- Section 7B—It shall be unlawful for any Person to process, treat, transfer or dispose of, or cause to be processed, treated, transferred or disposed of, Municipal Waste, or any constituent thereof, which is collected within the County and which is subject to the provisions of this Ordinance, at any facility other than a processing or disposal facility which is consistent with, and is reflected in, the Plan as the designated processing, transfer, treatment or disposal facility for such Municipal Waste, or constituent thereof.

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Violations of the ordinance are summary offenses and punishable by fines of not less than \$25 and not more than \$1,000, by imprisonment of not more than ten days, or both, and each day of violation is considered a separate offense.

Even if the referenced section of the ordinance can be used to prohibit illegal dumping and provide for punishment for the activity, the effectiveness of this prohibition requires the cooperation of (1) law enforcement personnel in responding to calls and tracking down illegal dumpers, and (2) the court system in prosecuting these offenders. Individuals and haulers will continue to dump if it is clear that they will not be punished for the activity. The Beaver County Department of Waste Management will look into ways to work with local law enforcement officials to enforce against illegal dumping.

Additional action is needed, however, to address the clean-up and safe disposal of materials in existing dumps and to prevent further dumping. Other counties in western Pennsylvania are looking to manage these activities through local chapters of PA CleanWays, a non-profit organization dedicated to cleaning up dumps and ending illegal dumping. This organization, through a network of local volunteers, works with municipalities, businesses, law enforcement personnel and disposal facilities to clean up existing dumps, identify and punish those who dump illegally, and monitor problem areas to help prevent future dumping.

The County plans to look into the need to address illegal dumping further, and will pursue further Act 101 planning funds to study this issue within the County.

5.6.b Waste Burning

Beaver County did not prohibit the burning of waste in its 1991 Plan. It has been considered to be the responsibility of municipalities to determine rules for the burning of waste within their borders. However, in light of DEP's new statement entitled "Act 101 Section 902 Recycling Grant Applications and Open Burning," Beaver County will revise its Solid Waste Management Ordinance and Rules and Regulations to address DEP's concerns.

The statement outlines the following with regard to counties:

- Counties requesting funds for recycling education only do not need to comply with the above requirements¹, but DEP will recommend that the educational materials urge residents not to burn recyclables or leaf waste.
- If the county is requesting funds for recycling equipment it must ensure there is a prohibition of the burning of the materials that are part of the recycling program in the area being served by the program.
- A county-run MRF may receive funding for the expansion of its facility provided the host municipality does not allow the burning of the recyclable materials that are part of the county's recycling program.

¹ A mandated municipality or non-mandated municipality with a curbside recycling program must ensure that there is nothing in its books to allow for the burning of recyclable materials identified in the recycling ordinance or leaf waste. A non-mandated municipality with a drop-off program must provide a mechanism to prohibit the burning of recyclable materials that are part of the program for areas serviced by the program.

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Because Beaver County operates a County drop-off recycling program and a leaf composting site, the County will need to revise its ordinance and rules and regulations to include language that prohibits the burning of all recyclables materials in its program, including leaf waste. In addition, it will need to include a statement in any future Section 902 grant applications that says the County does not allow the burning of the materials that are part of its recycling program, including leaf waste.

Other than DEP's new guidelines, there are some very good reasons why open burning should be prohibited. Burning waste at home in a barrel or pile results in an incomplete burning because of low temperatures. It causes heavy concentrations of smoke at ground level, with high concentrations of toxic materials that are easily inhaled. This smoke can affect the health of people by causing eye irritation, asthma, restricted breathing, or worse, chronic diseases such as emphysema. Children are more at risk than adults, because they breathe more quickly than adults and absorb up to six times the contamination that adults do breathing the same air. And according to the EPA, other health risks occur when particles deposited on soil and crops are ingested.

No type of home burning is entirely safe. While many are concerned about plastics, even "clean" materials such as paper, wood and yard waste can cause problems. Bleached papers, such as bakery/pizza boxes and lightweight cardboard, release carbon compounds with chlorine and fluorine, compounds that have been associated with blood abnormalities, low white cells and leukemia. Papers with synthetic inks release heavy metals when burned, and these are associated with birth defects, interference with red blood cell production, liver and kidney deterioration, and loss of coordination. Absorbing heavy metals though the lungs has a more pronounced effect than absorption through the stomach.

Aside from the health problems, however, are safety concerns. Pennsylvania has had severe drought conditions in previous years. If not properly contained, flames may spread and cause wildfires that damage crops, grazing land, livestock, and buildings.

Even though the County's solid waste ordinance will prohibit the burning of recyclable materials included in the County program, including leaf waste, it urges all municipalities to prohibit the open burning of these materials as well, and requests that municipalities assist the County in enforcing the prohibition. The County will also provide suggested language to municipalities concerning open burning to assist them in complying with DEP's requirements. Finally, the County encourages all residents to store and dispose of waste safely, preferably through collection by a County licensed hauler and disposal at a facility designated by the County.

SECTION 6 LOCATION

The purpose of this section is to identify the physical location of disposal facilities used by and programs operating in Beaver County.

6.1 LOCATION OF FACILITIES AND PROGRAMS THAT ARE PART OF OVERALL SYSTEM

One of the disposal facilities described in this Plan is located in Beaver County. The remainder are located in surrounding counties and in adjacent states. Figure 6-1 shows the geographic location of the facilities listed below.

MSW Landfills

Arden Landfill (Washington County)

P.O. Box BC

Arden Station Road

Washington, PA 15301

(724) 222-3272

Contact: Jim Post

Brooke County Sanitary Landfill (West Virginia)

R.D. 2, Box 410

Colliers, WV 26035

(304) 748-0014

Contact: Dennis McVeigh (215-256-1900)

Joseph J. Brunner, Inc. (Beaver County)

211 Brunner Road

Zelienople, PA 16063

(724) 775-6665

Contact: Joseph Brunner

Carbon Limestone Landfill (Ohio)

Browning-Ferris Industries of Ohio, Inc.

8100 South Stateline Road

Lowellville, OH 44436

(330) 536-8013

Contact: Ted Dunchak

Greenridge Reclamation (Westmoreland County)

Republic Services Group of PA IV, LLC

R.D. 1, Box 716, Landfill Road

Scottdale, PA 15683

(724) 887-1361

Contact: Michael Yelinek

Imperial Landfill (Allegheny County)

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BFI Waste Systems of North America, Inc.
P.O. Box 47, 11 Boggs Road
Imperial, PA 15126
(724) 695-0900
Contact: Ted Dunchak

Mahoning Landfill (Ohio)
3510 Garfield Road
New Springfield, OH 44443
(330) 549-5357
Contact: Dave Bower

Northwest Sanitary Landfill (Butler County)
1436 West Sunbury Road
West Sunbury, PA 16061
(724) 637-3552, Ext. 126
Contact: Roy "Speedy" Ewing

Seneca Landfill (Butler County)
121 Brickyard Road
P.O. Box 1080
Mars, PA 16046
(724) 625-1511
Contact: Edward R. Vogel

Biosolids and Septage Processing/Disposal

Eighteen wastewater treatment plants are managing the County's biosolids. Sufficient capacity is available for disposal of biosolids in any of the County Designated Facilities. However, the County supports management options that eliminate the need for disposal at these facilities, such as land application and other methods of beneficial reuse or processing (such as land application or the reed bed method), as long as these options meet all state and federal requirements.

Recycling Programs

Municipal recycling programs are located within the municipalities identified in Table 4-2 in Section 4 of this Plan.

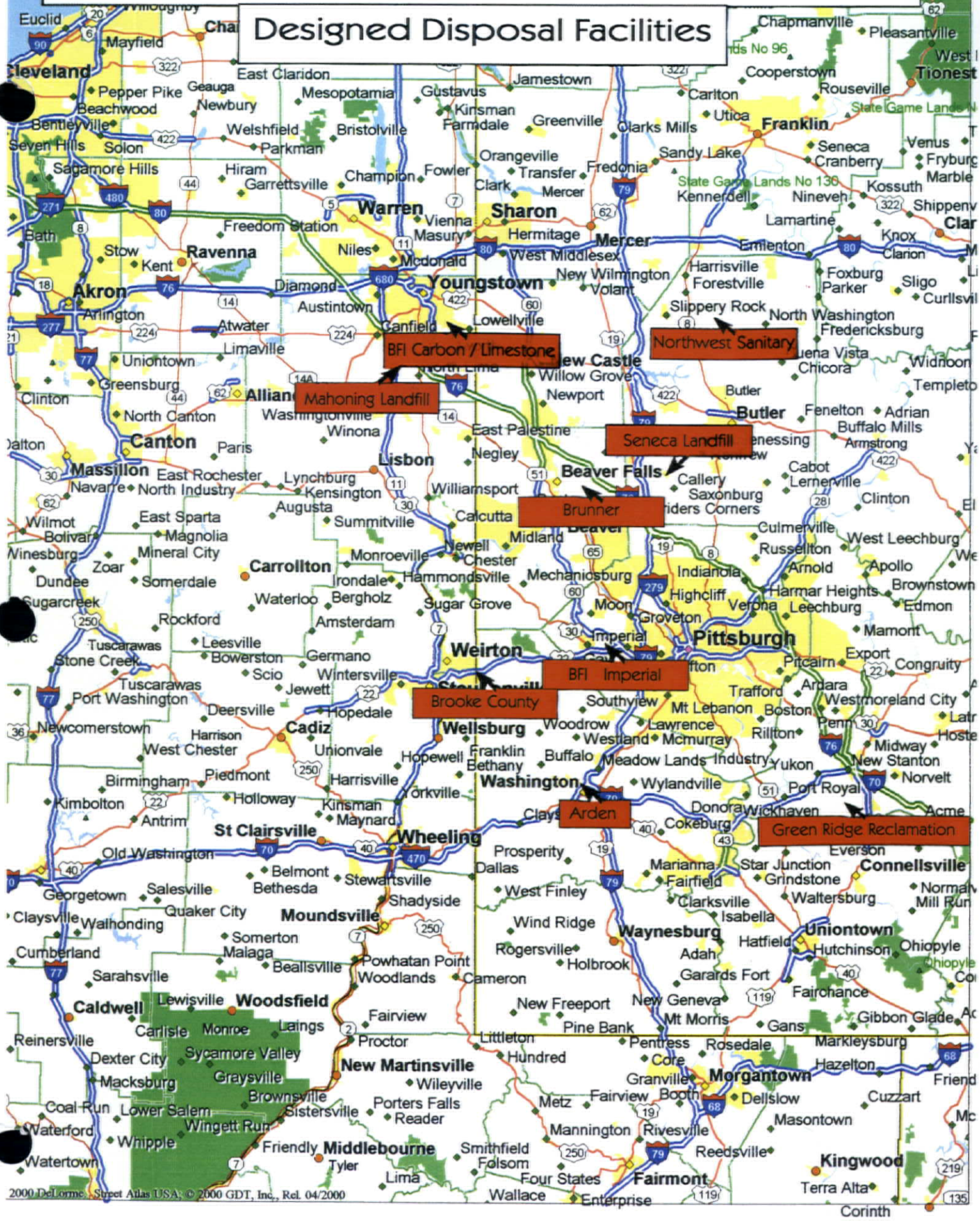
Yard Waste

The only municipal yard waste and leaf management facility in Beaver County is operated by the Beaver County Department of Waste Management and is located Brighton Township, Beaver County, Pennsylvania 15009.

FIGURE 6-1
DESIGNATED MUNICIPAL WASTE PROCESSING AND DISPOSAL FACILITIES

Beaver County Municipal Solid Waste Management Plan (2003)

Designed Disposal Facilities



SECTION 7 IMPLEMENTING ENTITY IDENTIFICATION

7.1 DEFINE ENTITY RESPONSIBLE FOR IMPLEMENTING THE MUNICIPAL WASTE MANAGEMENT PLAN

The Beaver County Department of Waste Management is responsible for implementing the County's Municipal Waste Management Plan.

Beaver County's 1991 Plan considered two options for an implementing entity: (1) a County Solid Waste Department; and (2) a County Solid Waste Authority. The recommended option was a Department, which according to the 1991 Plan, "...gives the public, through its elected county officials, more direct control over the solid waste management system." The Commissioners authorized organization of the Department, and designated the Department as the implementing entity in its Solid Waste Management Ordinance No. 082092-SWM effective August 1, 1992. A copy of this ordinance is contained in Appendix D.

The Beaver County Department of Waste Management, with five full-time employees and one part-time employee, is responsible for:

- Overseeing municipal solid waste collection, storage, transportation and disposal services.
- Regulating the establishment, maintenance and operation of private solid waste collection, storage, transportation and disposal services, including operation of the County's hauler licensing program.
- Aiding and assisting the Commonwealth in the application and enforcement of rules and regulations pertaining to solid waste management.
- Assisting communities in adopting, issuing and enforcing local rules and regulations.
- Enforcing solid waste ordinances by issuing warning notices, and initiating proceedings against violators of the approved ordinance and its rules and regulations.
- Assisting in informing the County and municipalities about changes in federal and state laws, rules and regulations that may affect or would affect solid waste management in the County or municipalities.
- Operating the County facility office paper recycling program.
- Providing technical assistance to municipalities in implementing municipal recycling and composting programs.
- Providing technical assistance to commercial establishments and institutions in implementing recycling programs.
- Operating any special projects sponsored by the County.

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- Planning and implementing County-wide programs to provide general education to the public about recycling and composting, and to provide information about the range of recycling opportunities throughout the County.
- Collecting and evaluating data on recycling and waste generation by municipality and County.
- Collecting and evaluating data on recycling and waste generation by commercial, institutional and industrial establishments in the County.
- Preparing required reports to the DEP.
- Applying for grants to carry out Countywide recycling and composting programs, administering grants received, and reporting on results.
- Daily management and operation of the Countywide yard waste composting program and Beaver County Yard Waste Compost Site.
- Coordination and support of the Countywide Old Newsprint Animal Bedding Program.

SECTION 8 PUBLIC FUNCTION

8.1 DESCRIPTION OF SYSTEM MANAGEMENT

Beaver County does not intend to purchase or operate its own disposal or recycling processing facility. Consequently, this Plan does not contain any information relative to the costs or development of such facilities. The County does operate a County-wide drop-off recycling program and a composting facility that accepts yard waste from County residents, municipalities and businesses for a fee.

Beaver County supports using the private sector to manage most aspects of the municipal waste system. With the exception of the County's drop-off recycling program and its composting facility, the County intends to continue to rely on the private sector to provide municipal waste and recyclables collection, recyclables processing and waste disposal services. The private sector will also remain responsible for managing recyclable materials generated by commercial and institutional entities in Beaver County, including collection, processing and marketing. While Beaver County provides public drop-off locations for recyclables throughout the County, materials delivered to these sites are processed and marketed by the private sector. The private sector will also continue to be responsible for the collection of liquid sludge and septage, though the County will study options to ensure that there is sufficient capacity for the management of this waste. The public sector will continue to process sewage to generate sludges that will be managed by the private sector for disposal. The private sector will remain responsible for the processing and disposal of infectious and chemotherapeutic waste.

SECTION 9 IMPLEMENTING DOCUMENTS

9.1 DOCUMENTS REQUIRED TO IMPLEMENT THE MUNICIPAL WASTE MANAGEMENT PLAN

The documents necessary for implementation of this Plan are:

- Municipal Waste Disposal Capacity Agreement (standard agreement--Appendix C)
- Beaver County Solid Waste Management Ordinance, Rules and Regulations, and Application for Municipal Waste Hauling License (Appendix D)
- Beaver County Resolution (Appendix E)

The Municipal Waste Disposal Capacity Agreement is the mechanism by which the County assures capacity for County-generated municipal wastes at County Designated Facilities as defined in this Plan. Any facility that wishes to qualify as a County Designated Facility must agree to the provisions of this Agreement, which ensures consistent treatment among all facilities that are to be used for Beaver County waste. This Agreement would also apply to any facilities that are added to the Plan in the future.

The Beaver County Solid Waste Management Ordinance specifies that any person collecting and/or transporting municipal waste generated in Beaver County must deliver such waste to County-designated disposal or processing facilities. The Rules and Regulations describe requirements for the County's municipal waste hauler licensing program, and the Application for Municipal Waste Hauling License is the vehicle by which the County implements and operates its hauler licensing program.

Upon completion of this Plan revision, the Beaver County Board of Commissioners will adopt the revised Plan in the form of a resolution contained in Appendix E.

The completed Plan and resolution will be submitted to DEP for approval. Upon approval by DEP, each municipality within the County will receive a copy of the completed Plan revision advising them of the County's adoption and DEP's approval.

Should additional implementing documents become necessary for full implementation of this Plan, the Beaver County Commissioners, assisted by the Department of Waste Management, will exercise its authority for the adoption and execution of any and all documents deemed necessary to carry forth its obligations and to implement this Plan.

SECTION 10 ORDERLY EXTENSION

10.1 DEMONSTRATION THAT PLAN IS CONSISTENT WITH STATE, REGIONAL AND LOCAL PLANS

This Plan has been updated to provide for the orderly extension of municipal waste management programs in a manner that is consistent with the needs of Beaver County. The Plan update has been developed with consideration of best available estimates of population and economics, use of best available technologies and good engineering practice, and in accordance with current federal, state and local laws and regulations. It is also substantially in accordance with the management concepts presented in the 1990 Plan.

This Plan does not conflict with any state, regional, or local plans.

SECTION 11 METHODS OF DISPOSAL OTHER THAN BY CONTRACTS

11.1 VEHICLES FOR MANAGING PROCESSING/DISPOSAL OTHER THAN CONTRACTS

As described in Section 5, the current municipal waste system in Beaver County is operated by the private sector. Residential and commercial municipal wastes are designated to be processed and/or disposed of in County Designated Facilities with which Beaver County has executed agreements for waste disposal capacity, with the exception of materials that may be reclaimed through beneficial reuse (some biosolids, for example, may potentially be land applied). These agreements are for five years with five one-year renewal periods, effectively giving the County ten years of disposal capacity for its municipal waste. Sufficient capacity is available to dispose of sewage sludge, C&D waste and residual waste at these facilities as well, although the County supports management options that eliminate the need for disposal, such as land application and other methods of beneficial reuse or processing (such as the reed bed method or land application used by some waste water treatment plants to manage some sewage sludge), as long as these options meet all state and federal requirements.

Management of recyclables is carried out by a combination of public and private sector efforts, with Beaver County providing for drop-off collection of recyclables, a combination of public and private entities collecting and processing materials generated through the existing curbside recycling programs and drop-off sites (some private collection is managed under contract with individual municipalities), and the private sector managing materials generated by the commercial and institutional sectors through individual arrangements. Management of ICW is carried out by the private sector through individual arrangements with facilities that generate this waste. The County is not required by this planning process to arrange for processing or disposal capacity for these materials and has elected not to do so. The current system has been efficient and cost-effective. There is sufficient capacity for handling these materials, and they are being managed responsibly at this time.

Collection of all types of waste and recyclables (with the exception of some drop-off efforts) is managed by the private sector, sometimes under contract, sometimes through open subscription systems (where individual households arrange for collection by any of a number of haulers). However, the County licenses haulers, and the County's Solid Waste Management Ordinance and Rules and Regulations contain requirements that licensed haulers must observe to operate in Beaver County.

SECTION 12 NON-INTERFERENCE

12.1 DEMONSTRATION THAT PLAN DOES NOT INTERFERE WITH OTHER PLANS OR FACILITIES

The Beaver County Municipal Waste Management Plan does not interfere with the design, construction, operation, financing or contractual obligations of any municipal waste processing or disposal facility.

This Plan also does not interfere with any local solid waste ordinances, zoning regulations or currently established municipal waste management plans.

SECTION 13 PUBLIC PARTICIPATION

13.1 PUBLIC PARTICIPATION IN PLAN UPDATE PROCESS

Beaver County established a Solid Waste Advisory Committee (SWAC) in 1989, pursuant to Act 101, to advise the County in the preparation of its Municipal Waste Management Plan. The SWAC met once in late 1989, six times from January through July 1990, and once in early 1991 during the preparation of the 1991 Plan. The SWAC did not meet on a regular basis between completion of the 1991 Plan and the start of work on this Plan update.

Several of the original members serve on the current SWAC, though replacements have been named for many of the original members who were no longer able to serve for various reasons. There are currently 18 positions. A list of members is included in Appendix F. The SWAC continues to provide for public participation in the Plan development process. This group functions under the direction of the Beaver County Department of Waste Management.

The SWAC met on an as-needed basis during the time of the County's involvement in this Plan update process. The group has been involved in every phase of the plan revision process, and the group's input was very important to the process and was taken into consideration in preparing this revised plan. The Committee reviewed and commented on each section of this plan during its preparation.

Below is a list of meetings and significant actions taken at each:

- April 19, 2000 Reviewed Pennsylvania and Beaver County municipal waste planning history; reviewed and discussed proposed Scope of Work for Plan update; reviewed and discussed purpose of SWAC; discussed Facility Qualification Request process; discussed potential changes to County Administrative Fee.
- August 21, 2000 Reviewed and discussed drafts of Sections 1, 3, 4 and 7 of the Plan update; recommended including a recommendation to work with the Conservation District to look further into ensuring sufficient capacity for septage; recommended including education of students and seniors as a means of boosting recycling; reviewed and discussed the results of the Facility Qualification Request process; voted to accept facilities that qualified; voted to revise hauler licensing requirements to include transfer stations under the hauler licensing program.
- November 20, 2000 Reviewed and discussed drafts of Sections 2, 5, 8, 9, 10, 11, 12 and 14; participated in a discussion concerning the management of septage, including a presentation by McCutcheon Enterprises, which operates a septage processing facility in Westmoreland County; recommended that the County include a Plan recommendation to review options for managing septage to ensure

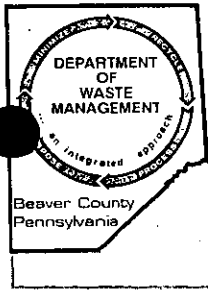
Section 13

that sufficient capacity is available; recommended a Plan provision to give municipalities information to include requirements in zoning and building ordinances to address illegal dumping problems; recommended developing an executive summary to outline Plan highlights and recommendations.

- February 7, 2001 Discussed specific revisions incorporated within the completed draft Plan based on recommendations from previous meetings; recommended that the County apply for Act 101 funding to study disposal options for septage to ensure adequate capacity; recommended that the rules and regulations and Solid Waste Management Ordinance be amended as they apply to hauler licensing to include transfer stations as haulers and to ensure accurate reporting of disposal tonnages from the County; recommended that a glossary be added to define acronyms that appear in the Plan; received an update on the status of capacity agreements executed.
- August 26, 2004 A brief overview presentation of the proposed MSW Plan Revision was conducted, and a motion was made to accept the MSW Plan.

Appendix F also contains minutes of the SWAC meetings listed above.

On August 26, 2004 this Plan Update was approved by the SWAC, with a recommendation that the Beaver County Board of Commissioners grant approval. The County Commissioners voted to approve the 2004 Beaver County Municipal Waste Management Plan at its September 9, 2004 meeting. A copy of the Resolution approving the Plan is included in Appendix E.



**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office **724.843.9450**

Recycling Center **724.843.2868**

Fax **724.847.1058**

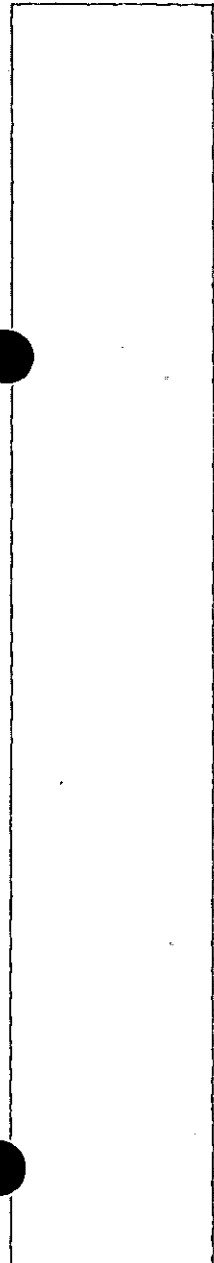
Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
CHAIRMAN
JOE SPANIK
CHARLES A. CAMP



DATE: June 22, 2004
TO: All Beaver County Municipalities
FROM: Charles J. Raabe, Director
REF: Revised Beaver County Municipal Solid Waste Management Plan

Enclosed is a draft copy of the revised Beaver County Solid Waste Management Plan (Plan) for your review and comment. This Plan reflects an up-dated version of the original 1991 Beaver County Municipal Solid Waste Management Plan which was adopted by your Municipality at that time. Revisions have been incorporated to address new state regulatory requirements, new program implementation, and state of the art industry developments. The Plan was developed through the cooperative efforts of R.W.Beck, Inc., the Solid Waste Advisory Committee and the County; with input from Municipalities.

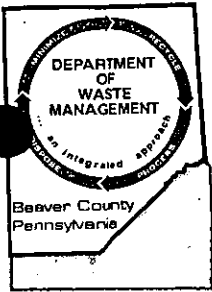
This Plan was developed in accordance with Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act. It allows Beaver County Municipalities to have flexibility in the implementation of waste management activities, while providing guaranteed disposal capacity, a sound waste management program and compliance with pertinent Pennsylvania regulatory criteria. The Plan, after incorporation of applicable comments, will be submitted to the Board of County Commissioners for adoption as the 2004 Beaver County Municipal Solid Waste Management Plan.

If further information is required, please contact this Department at (724) 843-9450. Any comments, you may have, must be submitted in writing with specific reference to applicable Plan Section. Comments must be received by this Department within thirty (30) days of the date of this letter.

Enclosure

cc: Board of Commissioners
S.Svitek / S.Sales - PA-DEP Regional
MSW Advisory Committee Members
K.Luken - R.W.Beck, Inc.





**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450

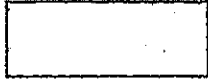
Recycling Center 724.843.2868

Fax 724.847.1058

Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066


DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: October 6, 2004

TO: PA-Department of Environmental Protection
Sharon Svitek / Steven Sales

FROM: Charles J. Raabe, Director 

REF: Beaver County Municipal Solid Waste Management Plan
- 2004 FINAL PLAN

Attached herewith are three (3) amendments to the 2004 Final Draft submitted to you for review and approval.

With the attachments incorporated into the **APPENDIX F - SOLID WASTE ADVISORY COMMITTEE MEMBERSHIP, MINUTES**, of the Final Draft, the Plan is now complete and approved by both the Advisory Committee and the Board of Commissioners.

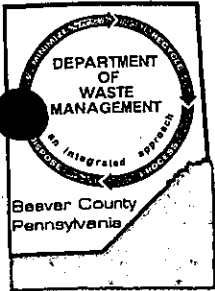
Once you have had the opportunity to review the Plan in it's entirety, please forward an approval letter to this Department, accepting the MSW Plan and we will forward all necessary amendments to all Municipalities.

Thank you for your cooperation in this Plan Revision effort. If further action is required, please do not hesitate to contact this office.

Attachments

CJR/ds





**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450
Recycling Center 724.843.2868
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469 Constitution Blvd.
New Brighton, PA 15066

January 30, 2005

DIRECTOR
CHARLES J. RAABE

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

PA-Department of Environmental Protection
Bureau of Land Recycling and Waste Management
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222-4745

ATT: Ms. Sharon Svitek

REF: Beaver County Municipal Solid Waste Management Plan
- 2004 FINAL PLAN

Dear Ms. Svitek:

Enclosed find a hard copy of the referenced 2004- Final Plan for Departmental use. The following sequence of actions was completed, and a copy of the associated documentation is attached:

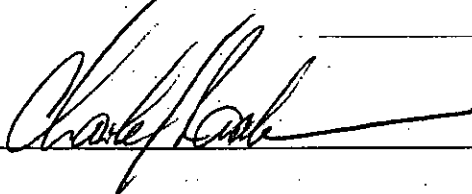
- A MSW Advisory Committee was selected and convened numerous times during the plan development to provide review and input. (Refer to Appendix F - Solid Waste Advisory Committee for meeting minutes and dates.)
- After working closely with RWBeck and the Solid Waste Advisory Committee for some time, the Final Draft Plan was completed.
- The Final Draft Plan was then submitted to all County municipalities, and the Board of Commissioners for review and comment. (Refer to transmittal letter of June 22, 2004 attached.
- At the end of the 30-day Municipal review period, having no comments, the Plan was submitted to the MSW Advisory Committee for final acceptance via our July 14, 2004 transmittal letter.
- Upon the MSW Advisory Committee's August 26, 2004 acceptance of the Final Draft, the Plan was submitted to the Board of Commissioners for adoption. The Plan was adopted by the Board of Commissioners via Resolution Number 090904-21, on September 9, 2004. (Refer to Resolution Number 090904-21 and Meeting Minutes attached herewith.)



The final supplements and revisions are herewith submitted for your inclusion into the Final Draft already in your possession. This method of finalization is being utilized to meet the intent of the Plan's 3-ring binder design, in order to minimize hard copy regeneration for the Final 2004 Plan. An electronic version of the Plan and all final executed Plan documents will be submitted to the department within one year.

I would like to take this opportunity to thank the Department for their cooperation and assistance in this effort and advise that this office is available at your convenience to provide further information or clarification as may be required.

Respectfully submitted,



Charles J. Raabe, Director

Attachments

cc: Board of Commissioners
Mr. Stephen Sales
Karen Luken - R.W.Beck
Frank Mancini - Planning Commission

SECTION 14 OTHER INFORMATION

There is no additional information related to municipal waste and this planning process to be included in this section.

APPENDIX A

BEAVER COUNTY WASTE AND RECYCLING DATA

Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Land Recycling and Waste Management
Division of Reporting and Fee Collection

County Waste Destinations
in Tons (2000 lbs.) of Waste

Note: This reports does not show waste shipped from Pennsylvania counties to out-of-state disposal facilities, nor does it show waste collected for recycling.

For Year: 1996

County : ARMSTRONG

Permit #	Disposal Facility Receiving Waste	Waste Type:	Municipal	Residual	Sewage Sludge	Infectious	Construction	Ash Residue	Asbestos	Total
100277	SANITARY LANDFILL		39.4	0	0	0	0	0	0	39.4
100280	VALLEY LANDFILL		31364.5	1118.4	0	0	1426.6	0	4.4	33913.9
100281	GREENRIDGE RECLAMATION (Q 4/95) FMYL		17.5	9.1	0	0	0.7	0	11.5	38.8
100403	SENECA LANDFILL (Q 1/95) FMYL VOGEL DIS		777.6	291.7	0	0	26.9	0	0	1096.2
100434	PELLEGRENE LANDFILL		10362.8	0	392.5	0	343.6	0	0.3	11099.2
100585	NORTHWEST SANITARY LANDFILL		957.2	782.8	131.7	0	15.1	0	0	1886.8
100592	M.C. ARNONI COMPANY		0	174.3	0	0	0	0	3.9	178.2
100594	MONROEVILLE LANDFILL		48.9	886.2	726.1	0	68.5	7.1	0	1736.8
100663	KELLY RUN SANITATION LANDFILL		0	14.8	8.6	0	74.9	0	68.3	166.6
101187	COUNTY LANDFILL		305.8	0	0	0	0	0	0	305.8
101397	GREENTREE LANDFILL		9.1	0	0	0	0	0	0	9.1
400592	LANCASTER COUNTY RESOURCE RECOVER		0	61	0	0	0	0	0	61
Waste Totals:			43882.8	3338.3	1258.9	0	1956.3	7.1	88.4	50531.8

County : BEAVER

Permit #	Disposal Facility Receiving Waste	Waste Type:	Municipal	Residual	Sewage Sludge	Infectious	Construction	Ash Residue	Asbestos	Total
100172	ARDEN LANDFILL		26312.7	8857.9	1542.4	0	1419.7	0	21.5	38154.2
100280	VALLEY LANDFILL		0	0	0	0	70	0	0	70
100403	SENECA LANDFILL (Q 1/95) FMYL VOGEL DIS		13008.4	569.8	0	0	46	0	0	13624.2
100585	NORTHWEST SANITARY LANDFILL		6302.6	6233.9	1766.4	0	25.6	0	0	14328.5
100592	M.C. ARNONI COMPANY		0	2429.2	0	0	2.5	0	94.6	2526.3
100620	IMPERIAL LANDFILL		10986	1135.8	0	0	4350.9	0	162.9	16635.6
100663	KELLY RUN SANITATION LANDFILL		0	0	0	0	19.4	0	222.6	242
101187	COUNTY LANDFILL		0	85.7	0	0	0	0	0	85.7
101439	JOSEPH J BRUNNER INC		27301.8	10201.2	3927.7	0	141	0	103.1	41674.8
101534	CHAMBERS LAUREL HIGHLANDS LANDFILL		0	0	0	0	0	0	10.4	10.4
Waste Totals:			83911.5	29513.5	7236.5	0	6075.1	0	615.1	127351.7



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Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Land Recycling and Waste Management
Division of Reporting and Fee Collection

County Waste Destinations
in Tons (2000 lbs.) of Waste

Note: This reports does not show waste shipped from Pennsylvania counties to out-of-state disposal facilities, nor does it show waste collected for recycling.

For Year: 1997

County : ARMSTRONG

Permit #	Disposal Facility Receiving Waste	Waste Type:	Municipal	Residual	Sewage Sludge	Infectious	Construction	Asb Residue	Asbestos	Total
100280	VALLEY LANDFILL		11165	1525	0	0	1356	0	0	14046
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY		6.7	34.1	0	0	2.5	0	0	43.3
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS		510.7	1712.3	0	0	60.1	0	0	2283.1
100434	PELLEGRENE LANDFILL		29076.4	945.5	530.5	45.4	434.7	0	2.6	31035.1
100585	NORTHWEST SANITARY LANDFILL		604.6	470.9	155.7	0	16.8	0	0	1248
100592	M.C. ARNONI COMPANY		0	0	0	0	6.6	0	0	6.6
100594	MONROEVILLE LANDFILL		55.6	2162.3	969.5	0	176.3	49.1	0	3412.8
100620	IMPERIAL LANDFILL		0	1.5	0	0	5.8	0	0	7.3
100663	KELLY RUN SANITATION LANDFILL		0	0	0	0	9.3	0	10.3	19.6
101187	COUNTY LANDFILL		261.9	0	0	0	0	0	0	261.9
101397	GREENTREE LANDFILL		10	149.4	0	0	0.1	0	0	159.5
101534	CHAMBERS LAUREL HIGHLANDS LANDFILL		1861.5	0	0	0	0	0	0	1861.5
400592	LANCASTER COUNTY RESOURCE RECOVER		0	65.5	0	0	0	0	0	65.5
Waste Totals:			43552.4	7066.5	1655.7	45.4	2068.2	49.1	12.9	54450.2

County : BEAVER

Permit #	Disposal Facility Receiving Waste	Waste Type:	Municipal	Residual	Sewage Sludge	Infectious	Construction	Asb Residue	Asbestos	Total
100172	ARDEN LANDFILL		6965.3	16447.8	2599.2	0	483.9	0	132	26628.2
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY		0	0	0	0	0	0	42.2	42.2
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS		15115.8	3252.4	0	0	121.3	0	0	18489.5
100585	NORTHWEST SANITARY LANDFILL		11045.1	6555	1121	0	3.3	0	0	18724.4
100592	M.C. ARNONI COMPANY		4.8	219	0	0	0	0	19.5	243.4
100620	IMPERIAL LANDFILL		29027.1	18332.6	1722.5	0	1249	0	104.2	50435.4
100663	KELLY RUN SANITATION LANDFILL		1.9	5.2	60.5	73.8	5.3	0	35.1	181.8
101187	COUNTY LANDFILL		0	158.2	0	0	0	0	0	158.2
101439	JOSEPH J BRUNNER INC		25309.4	11639.4	3116.5	0	8	0	898.9	40972.2
Waste Totals:			87469.4	56609.6	8619.7	73.8	1870.8	0	1231.9	155875.3



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Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Land Recycling and Waste Management
Division of Reporting and Fee Collection

County Waste Destinations
in Tons (2000 lbs.) of Waste

Note: This reports does not show waste shipped from Pennsylvania counties to out-of-state disposal facilities, nor does it show waste collected for recycling.

For Year: 1998

County : ARMSTRONG

Permit #	Disposal Facility Receiving Waste	Waste Type: Municipal	Residual	Sewage Sludge	Infectious	Construction	Ash Residue	Asbestos	Total
100172	ARDEN LANDFILL	0	0	0	0	0	0	1.8	1.8
100280	VALLEY LANDFILL	27013.5	399.2	0	0	1113.9	0	0	28526.6
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY	2131.5	28.5	0	0	0	0	0	2160
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS	1082.2	3010.9	0	0	319.5	0	0	4412.6
100434	PELLEGRENE LANDFILL	9538.7	700.3	839.8	0	1488.5	0	15.4	12582.7
100585	NORTHWEST SANITARY LANDFILL	1169.9	801.7	45	0	5.5	0	0	2022.1
100594	MONROEVILLE LANDFILL	36.5	441.5	2950.6	0	83.9	0	0	3512.5
100620	IMPERIAL LANDFILL	0.9	0	0	2.3	1.7	0	0.1	5
101187	COUNTY LANDFILL	262.3	0	0	0	0	0	0	262.3
101397	GREENTREE LANDFILL	4.7	0	0	0	0	0	0	4.7
400592	LANCASTER COUNTY RESOURCE RECOVER	0	113.7	0	0	0	0	0	113.7
Waste Totals:		41240.2	5495.8	3835.4	2.3	3013	0	17.3	53684

County : BEAVER

Permit #	Disposal Facility Receiving Waste	Waste Type: Municipal	Residual	Sewage Sludge	Infections	Construction	Ash Residue	Asbestos	Total
100172	ARDEN LANDFILL	40943.6	5186.1	1826.9	0	963.8	0	98.3	49018.7
100277	SANITARY LANDFILL	0	0	0	0	9.4	0	0	9.4
100280	VALLEY LANDFILL	0	0	0	0	1.4	0	0	1.4
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY	0	1.6	0	0	0	0	45.2	46.8
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS	7025	2582.4	0	0	601.9	0	0	10209.3
100585	NORTHWEST SANITARY LANDFILL	16933.2	2820.2	114.1	0	4.2	0	0	19871.9
100592	M.C. ARNONI COMPANY	0	0	0	0	16.5	0	2.3	18.8
100594	MONROEVILLE LANDFILL	0	357.2	0	0	0	0	0	357.2
100620	IMPERIAL LANDFILL	19680.9	29910.8	1026.4	0	3114.3	0	89.8	53822.2
100663	KELLY RUN SANITATION LANDFILL	0	14.4	907	0	78.5	0	37.2	1037.1
101187	COUNTY LANDFILL	0	117	0	0	0	0	0	117
101439	JOSEPH J BRUNNER INC	26207.8	12183.1	3953.4	0	0	0	288.6	42632.9
Waste Totals:		110790.5	53172.8	7827.8	0	4790	0	561.4	177142.7



Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Land Recycling and Waste Management
Division of Reporting and Fee Collection

County Waste Destinations
in Tons (2000 lbs.) of Waste

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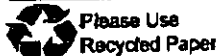
For Year: 1999

County : ARMSTRONG

Permit #	Disposal Facility Receiving Waste	Waste Type: Municipal	Residual	Sewage Sludge	Infectious	Construction	Ash Residue	Asbestos	Total
100280	VALLEY LANDFILL	2527.6	2983.6	0	0	2904.3	0	0	8415.5
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY	38.3	142	12.3	0	0	0	0	192.6
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS	968.3	3765.8	0	0	771	0	0	5505.1
100434	PELLEGRENE LANDFILL	21421.5	2253.8	530.3	0	2213	0	114.1	26532.7
100585	NORTHWEST SANITARY LANDFILL	2373.6	524.9	0	0	214.2	0	0	3112.6
100592	M.C. ARNONI COMPANY	0	13.7	0	0	0	0	0	13.7
100594	MONROEVILLE LANDFILL	35.5	214	2540.2	0	48.7	0	0	2838.4
100620	IMPERIAL LANDFILL	30	0	0	0	24.8	0	17.8	72.6
100663	KELLY RUN SANITATION LANDFILL	0	0	0	0	0	0	0	0
101187	COUNTY LANDFILL	288.4	4.6	0	0	0	0	0	293
101397	GREENTREE LANDFILL	3.4	14.9	0	0	0	0	0	18.3
400592	LANCASTER COUNTY RESOURCE RECOVERY	0	164.3	0	0	0	0	0	164.3
Waste Totals:		27686.6	10081.6	3082.8	0	6176	0	131.9	47158.8

County : BEAVER

Permit #	Disposal Facility Receiving Waste	Waste Type: Municipal	Residual	Sewage Sludge	Infectious	Construction	Ash Residue	Asbestos	Total
100172	ARDEN LANDFILL	44578.6	40739.4	1662.9	0	1378.2	0	384.2	88743.3
100281	GREENRIDGE RECLAMATION (Q 4/95) FMLY	85.1	11.8	0	0	0	0	6.7	103.6
100403	SENECA LANDFILL (Q 1/95) FMLY VOGEL DIS	3108.3	1526	0	0	1673.2	0	0	6307.5
100585	NORTHWEST SANITARY LANDFILL	181.8	834.7	17.4	0	5.8	0	0	1039.6
100620	IMPERIAL LANDFILL	18358.3	2344.1	1548.8	0	7985.2	0	286.1	30522.5
100663	KELLY RUN SANITATION LANDFILL	0	0	537.6	0	0.8	0	0	538.4
100963	LYCOMING COUNTY SOLID WASTE DEPT.	9.5	0	0	0	0	0	0	9.5
101187	COUNTY LANDFILL	0	105.6	0	0	0	0	0	105.6
101439	JOSEPH J BRUNNER INC	28176.8	12075.5	5030.1	0	7.1	0	213.3	45502.8
Waste Totals:		94498.4	57637.1	8796.8	0	11050.3	0	890.3	172872.8



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BEAVER COUNTY
Department of Waste Management
Landfill Waste Tonnages Reported for Years 1996-1997-1998-1999
f:\landfills\yearly.tns

YEAR	LANDFILL	RESIDENTIAL	COMMERCIAL	SEWAGE	C&D	RESIDUAL	TOTAL
1996	BFI of Ohio	23,979.58					23,979.58
	Brooke						0.00
1997	BFI of Ohio	9,225.83					9,225.83
	Brooke						.00
1998	BFI of Ohio	6,783.66					6,783.66
	Brooke	29.00	39.00				68.00
1999	BFI of Ohio	8,522.48					8,522.48
	Brooke	9.00	1.00			5.00	15.00
	Mahoning	10,753.42					10,753.42

1996 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

Tons of Municipal Solid Waste Generated per Person: .8000
Tons of Municipal Solid Waste Recycled per Person : .1462

Tons of Municipal Solid Waste Generated: 147,909.60
Tons of Municipal Solid Waste Recycled: 27,026.68

Percent of Total Wastestream Recycled: 18.27%

Tons Recycled Curbside: 5,685.04
Tons Recycled Drop-Off: 1,570.47
Tons Recycled Commercial: 4,903.95
Beaver County Recycling Center 14,867.22

The Total Percentage and Tons of Each Material Recycled:

1.61%	434.02	AA1	Aluminum Cans
0.99%	267.70	AA2	Aluminum Scrap
0.56%	151.13	BO1	Lead Acid Batteries
21.26%	5,745.59	CO1	Paper: Cardboard
34.77%	9,397.68	F03	White Goods
2.72%	735.48	FO1	Ferrous
3.08%	832.89	FO2	Steel & Bi-Metallic (Tin) Can
3.14%	847.89	GL1	Glass: Clear
0.15%	41.66	GL2	Glass: Mixed
0.98%	264.70	GL3	Glass: Green
1.02%	274.96	GL4	Glass: Brown
0.20%	54.89	GL6	Glass: Other
0.87%	235.12	MM1	Mixed Metals
1.05%	283.36	MO1	Rubber (Tires)
1.49%	403.48	MO3	Clothing/Textiles
0.11%	30.70	NO1	Non Ferrous
0.80%	215.85	NO2	Copper
0.37%	99.43	NO3	Brass
0.07%	17.68	NO4	Lead
0.63%	171.28	NO5	Stainless Steel
1.39%	375.06	OL2	Used Oil
0.94%	253.38	PA1	Paper: Magazine
7.38%	1,995.32	PA2	Paper: Newsprint
2.75%	742.57	PA3	Paper: Mix
0.23%	62.46	PA4	Paper: Office Paper
0.07%	18.14	PA5	Paper: Computer

1996 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

0.01%	4.00	PA6	Paper: Phone Books
0.43%	116.80	PL1	Plastic: PET
0.48%	128.88	PL2	Plastic: HDPE
0.14%	37.17	PL7	Plastic: Mixed
0.06%	15.68	PL9	Plastic: Other
0.00%	0.00	WO1	Wire/Cable
0.36%	98.50	WW1	Wood Waste
1.15%	310.35	XXX	Commingled Materials
8.74%	2,362.88	YO3	Yard Waste

1997 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

Tons of Municipal Solid Waste Generated per Person:	.8000
Tons of Municipal Solid Waste Recycled per Person :	.1289
Tons of Municipal Solid Waste Generated:	148,194.40
Tons of Municipal Solid Waste Recycled:	23,875.83
Percent of Total Wastestream Recycled:	16.11%
Tons Recycled Curbside:	6,030.53
Tons Recycled Drop-Off:	758.47
Tons Recycled Commercial:	2,257.79
Beaver County Recycling Center	14,829.04

The Total Percentage and Tons of Each Material Recycled:

1.45%	345.99	AA1	Aluminum Cans
0.85%	203.80	AA2	Aluminum Scrap
0.08%	18.47	BO1	Lead Acid Batteries
18.59%	4,439.59	CO1	Paper: Cardboard
15.79%	3,771.00	F03	White Goods
29.12%	6,953.83	FO1	Ferrous
3.25%	775.23	FO2	Steel & Bi-Metallic (Tin) Can
3.06%	730.36	GL1	Glass: Clear
0.14%	33.83	GL2	Glass: Mixed
0.96%	228.32	GL3	Glass: Green
0.97%	230.53	GL4	Glass: Brown
0.00%	0.80	HHW	Household Haz. Waste
0.46%	110.95	MM1	Mixed Metals
0.50%	120.38	MO1	Rubber (Tires)
0.13%	30.54	NO1	Non Ferrous
0.26%	61.69	NO2	Copper
0.68%	163.46	NO3	Brass
0.11%	25.15	NO4	Lead
0.17%	40.06	NO5	Stainless Steel
0.00%	1.02	NR	no report
0.00%	0.43	OL2	Antifreeze
0.09%	22.08	OL2	Used Oil
0.88%	210.41	PA1	Paper: Magazine
6.81%	1,625.37	PA2	Paper: Newsprint
1.36%	323.77	PA3	Paper: Mix
0.23%	54.57	PA4	Paper: Office Paper

1997 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

0.06%	14.12	PA6	Paper: Phone Books
0.26%	61.57	PL1	Plastic: PET
0.21%	50.54	PL2	Plastic: HDPE
0.04%	8.60	PL4	Plastic: LPDE (Low Density)
0.36%	85.08	PL7	Plastic: Mixed
0.08%	19.80	PL9	Plastic: Other
0.91%	218.20	WW1	Wood Waste
4.17%	995.68	XXX	Commingled Materials
7.96%	1,900.61	YO3	Yard Waste

1998 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

Tons of Municipal Solid Waste Generated per Person:	.8000
Tons of Municipal Solid Waste Recycled per Person :	.1334
Tons of Municipal Solid Waste Generated:	148,194.40
Tons of Municipal Solid Waste Recycled:	24,717.34
Percent of Total Wastestream Recycled:	16.68%
Tons Recycled Curbside:	5,299.58
Tons Recycled Drop-Off:	1,335.64
Tons Recycled Commercial:	2,480.65
Beaver County Recycling Center	15,601.47

The Total Percentage and Tons of Each Material Recycled:

1.81%	448.56	AA1	Aluminum Cans
0.40%	99.33	AA2	Aluminum Scrap
4.55%	1,124.82	BO1	Lead Acid Batteries
15.50%	3,831.77	CO1	Paper: Cardboard
36.81%	9,097.53	F03	White Goods
7.62%	1,883.51	FO1	Ferrous
3.63%	897.81	FO2	Steel & Bi-Metallic (Tin) Can
2.90%	716.36	GL1	Glass: Clear
0.14%	33.42	GL2	Glass: Mixed
0.87%	216.10	GL3	Glass: Green
0.92%	228.40	GL4	Glass: Brown
0.18%	45.58	GL6	Glass: Other
0.03%	6.31	MM1	Mixed Metals
0.00%	0.50	MO1	Rubber (Tires)
1.49%	369.18	MO3	Clothing/Textiles
0.09%	22.10	NO1	Non Ferrous
0.19%	45.94	NO2	Copper
0.75%	184.51	NO3	Brass
0.16%	40.11	NO4	Lead
0.09%	21.30	NO5	Stainless Steel
0.00%	0.21	NR	no report
0.00%	0.57	OL2	Antifreeze
0.20%	48.56	OL2	Used Oil
0.81%	199.84	PA1	Paper: Magazine
7.78%	1,922.71	PA2	Paper: Newsprint
1.48%	364.94	PA3	Paper: Mix

1998 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

0.17%	41.35	PA4	Paper: Office Paper
0.04%	9.84	PA6	Paper: Phone Books
0.30%	72.97	PL1	Plastic: PET
0.24%	58.66	PL2	Plastic: HDPE
0.06%	14.02	PL4	Plastic: LPDE (Low Density)
0.27%	66.90	PL7	Plastic: Mixed
0.05%	12.15	PL9	Plastic: Other
0.04%	9.90	WW1	Wood Waste
2.23%	552.14	XXX	Commingled Materials
8.21%	2,029.44	YO3	Yard Waste

1999 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

Tons of Municipal Solid Waste Generated per Person: .8000
Tons of Municipal Solid Waste Recycled per Person : .1335

Tons of Municipal Solid Waste Generated: 148,194.40
Tons of Municipal Solid Waste Recycled: 24,722.12

Percent of Total Wastestream Recycled: 16.68%

Tons Recycled Curbside: 5,921.99
Tons Recycled Drop-Off: 1,266.99
Tons Recycled Commercial: 2,574.08
Beaver County Recycling Center 14,959.06

The Total Percentage and Tons of Each Material Recycled:

0.00%	0.03		Toner Cartridges
1.52%	375.24	AA1	Aluminum Cans
0.36%	88.41	AA2	Aluminum Scrap
0.00%	0.07	BO1	Lead Acid Batteries
13.95%	3,447.80	CO1	Paper: Cardboard
0.00%	0.50	CO2	Paper: Brown Bags & Sacks
0.40%	100.00	DR2	Drum Steel
42.53%	10,514.09	F03	White Goods
0.00%	0.07	FL1	Fluorescent Tubes
5.83%	1,441.20	FO1	Ferrous
2.90%	717.55	FO2	Steel & Bi-Metallic (Tin) Can
0.22%	54.57	FW1	Food Waste
2.97%	735.26	GL1	Glass: Clear
0.18%	43.99	GL2	Glass: Mixed
1.00%	246.26	GL3	Glass: Green
0.94%	231.91	GL4	Glass: Brown
0.24%	59.99	GL6	Glass: Other
0.33%	81.33	MM1	Mixed Metals
0.04%	10.73	MO1	Rubber (Tires)
1.76%	434.24	MO3	Clothing/Textiles
0.08%	18.68	NO1	Non Ferrous
0.16%	38.51	NO2	Copper
0.64%	158.02	NO3	Brass
0.05%	12.38	NO4	Lead
0.05%	13.12	NO5	Stainless Steel
0.00%	0.20	NR	no report

1999 Municipal Wastestream Analysis - County Summary

BWM Region: 5

County Name: 04 Beaver

Population:

0.01%	3.12	OL2	Antifreeze
1.02%	251.78	OL2	Used Oil
0.93%	228.88	PA1	Paper: Magazine
7.38%	1,825.51	PA2	Paper: Newsprint
1.10%	271.31	PA3	Paper: Mix
0.36%	88.83	PA4	Paper: Office Paper
0.01%	1.59	PA6	Paper: Phone Books
0.37%	92.51	PL1	Plastic: PET
0.30%	75.15	PL2	Plastic: HDPE
0.07%	17.31	PL4	Plastic: LPDE (Low Density)
0.00%	0.74	PL5	Plastic: PP (Polyproplene)
0.21%	52.91	PL7	Plastic: Mixed
0.06%	16.00	PL9	Plastic: Other
0.04%	10.00	WW1	Wood Waste
3.09%	762.89	XXX	Commingled Materials
8.90%	2,199.44	YO3	Yard Waste

APPENDIX B

BEAVER COUNTY PROGRAM INFORMATION AND FACT SHEETS



Fact Sheet



BEAVER COUNTY DEPARTMENT OF WASTE MANAGEMENT

Brady's Run Park Recycling Center • Brighton Township, PA

(724) 843-2868

E-Mail: recycle@co.beaver.pa.us • Web Site Address: <http://co.beaver.pa.us/recycle>

OPEN — Tuesday/Wednesday/Thursday 9:00 A.M. - 4:00 P.M.

First & Third Saturday of every month 9:00 A.M. - 1:00 P.M.

(On Saturdays unloading assistance is provided) • (Call for holiday schedule)

MATERIAL	HOW TO PREPARE	DO NOT INCLUDE
NEWSPAPER Dry newsprint	<ul style="list-style-type: none"> • Keep clean and dry • Place in paper bag • Separate from magazines 	Catalogs, phone books, unwanted mail, plastic wrappers or glossy inserts
GLOSSY MAGAZINES Magazines with glossy covers and pages	<ul style="list-style-type: none"> • Keep clean and dry • Separate from newsprint and other paper • Put loose in container 	Phone books, Readers Digest, TV Guide, other non-shiny magazines
METALS Aluminum, steel and bimetal food and beverage containers	<ul style="list-style-type: none"> • Labels and lids okay • Empty & rinse 	Plastic lids, scrap metal, food residue
GLASS Clear, green and brown glass food and beverage containers	<ul style="list-style-type: none"> • Rinse • Remove and dispose of lids • DO NOT BREAK 	Ceramics, mirrors, crystal, milk glass, dishes, light bulbs, TV tubes, window & auto glass
PLASTIC BOTTLES ONLY Only plastic bottles with a narrow neck and a #1 or # 2 in the recycling symbol on the bottom	<ul style="list-style-type: none"> • Rinse • Remove and dispose of lids • Flatten if possible 	Ice cream buckets, yogurt containers, plastic lids, pesticide & chemical containers; plastics with code numbers 3-7
OLD PHONE BOOKS Realtor-Multi List Book	<ul style="list-style-type: none"> • Loose in container • Pages same quality as newspaper 	No plastic wrap, hard back books or staples
CORRUGATED CARDBOARD (ONLY)	<ul style="list-style-type: none"> • Flatten 	NO PASTEBOARD BOXES Example: Cereal Boxes
WHITE PAPER	<ul style="list-style-type: none"> • Drop off in garage (See attendant) 	Colored paper, envelopes or junk mail
SCRAP METAL ONLY Cast iron, aluminum, tin, steel and copper	<ul style="list-style-type: none"> • Call attendant for information 	No Freon-example, refrigerators, air conditioners, dehumidifiers or porcelain
USED MOTOR OIL, HYDRAULIC OIL & TRANSMISSION FLUID (From residential sources)	<ul style="list-style-type: none"> • Place used motor oil in a sealable container (limit-five gallon maximum per day) 	No other liquid
USED ANTIFREEZE \$1.25 per gallon or less	<ul style="list-style-type: none"> • Place antifreeze in a sealable container 	No other liquid
YARD WASTE Tree & Brush Grass & Leaves	<ul style="list-style-type: none"> • Fee charged per cubic yard – Contact Recycling Center 	No commercial material NO STUMPS

DROPPING OFF MATERIAL WHEN CENTER IS CLOSED IS SUBJECT TO LITTERING FINE

BEAVER COUNTY

YARD WASTE

AND

LAND APPLICATION

PROGRAM

**Beaver County
Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066
(724) 843-9450**

September 13, 2002

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INTRODUCTION

The Beaver County Department of Waste Management, in cooperation with the Board of Commissioners, and in conjunction with the County Municipal Solid Waste Management Plan; have established and implemented a Composting and Land Application Program to serve the residents and municipalities of Beaver County. The need for this program was identified during the development of the County Municipal Solid Waste Management Plan and is addressed in Chapter 4, Section 4.8.

Financial justification for the program is based on the following factors:

1. Continued increases in disposal fees at municipal waste landfills.
2. Lack of construction/demolition waste landfills in this region, keeping yard waste disposal fees high.
3. Act 101 - Municipal Waste Planning, Recycling and Waste Reduction Act legislation mandates as addressed in the referenced sections of Chapter 15:

- a) Section 1501 - requires Phase I and II mandated municipalities to: "adopt an ordinance or regulation requiring the development and implementation of a separate collection and processing program for leaf and yard waste; which meets all the criteria of this section."

This section applies to the cities of Aliquippa and Beaver Falls, townships of Center, Hopewell, Brighton, Chippewa and boroughs of Ambridge, Beaver, Monaca, Baden, Economy, and New Brighton.

- b) Section 1502 - Prohibits municipal waste landfills from accepting truckloads composed primarily of leaf waste for disposal.

This section effects all Beaver County municipalities, by eliminating a disposal outlet for leaf and yard waste material.

4. Various local burning ordinances, Pennsylvania Department of Environmental Protection Municipal Waste and Air Quality Regulations, and United States Environmental Protection Agency Air Quality Regulations prohibit open burning of leaf and yard waste material in many Beaver County municipalities.

Based on the above justification, this program has been developed and implemented to provide the residents of Beaver County with a cost effective program for disposal of organic materials, by taking advantage of the potential value of this material and avoiding a constantly escalating disposal cost, while affording compliance with state and federal regulations.

PROGRAM SCOPE

This program provides for the processing and marketing of leaf and yard waste organics through two uniquely separate sub-programs; specifically, the Leaf Waste Land Application Program and the Yard Waste Composting Program. Participation in either sub-program by a municipality is completely voluntary, participation in both sub-program phases is encouraged to take advantage of redundant activities necessary for either sub-program.

This program has been designed for participation at the municipal level, not individual residential participation. Through participation in this program, municipalities are provided an outlet for organic waste. In order to participate, the municipality must provide collection or drop-off service to their residents, and the County, in turn, will provide grinding and composting services for delivered municipal material. Municipalities are encouraged to offer this service utilizing municipal forces or contractor services as determined most appropriate by the municipality.

Basically, the Land Application Program provides a beneficial use outlet for municipally generated leaf waste through the agricultural sector in our County. Leaves are collected by the municipality and delivered to a local county farm where they are incorporated as a soil supplement by the property owner. The Yard Waste Composting Program provides for composting of shredded yard waste material at the Beaver County Yard Waste Composting site. To utilize this program, municipalities are required to provide a collection site or collection service to residents for yard waste and deliver this material to the county site. The overall program provides a cost effective, environmentally sound program through avoided landfill fees and beneficial use of organic waste in our county. Specific program details are provided in the program section of this report.

LEAF WASTE LAND APPLICATION PROGRAM

Municipalities participating in this program are required to collect leaves from residents at curb-side or a municipal drop-off site and select one of two options as follows:

- OPTION 1.** Provide a municipal processing site, which meets the requirements of the Pennsylvania Department of Environmental Protection Composting Site Guidelines; for storage of yard waste. Yard waste must be collected or dropped-off at the site for Beaver County Department of Waste Management processing. After completion of grinding, the municipality is responsible to haul, or pay a contractor to haul, the material to the closest available site for composting or incorporation as a soil supplement.
- OPTION 2.** Municipalities collect leaf waste and deliver directly to a farm site. The farm must be pre-approved under the Beaver County Composting Program. The municipality is responsible to coordinate delivery time and location directly with the farm owner.

Refer to Appendix "A" for a list of participating farm sites, site location map, and municipal compliance requirements.

YARD WASTE COMPOSTING PROGRAM

The Yard Waste Composting Program provides municipalities brush, general yard waste, and Christmas tree processing capabilities through one of the two options listed below:

OPTION 1. Municipalities set up a yard waste collection site, where general brush, yard waste and Christmas trees are collected and deposited by municipal forces or residents. This site must meet guidelines established by the Pennsylvania Department of Environmental Protection in order to be eligible for program participation. (*Copies of these guidelines are available by contacting our office*). The Beaver County Department of Waste Management will then provide material grinding services, as necessary, at each municipal site, to reduce large material volumes prior to transporting to the county site.

Each participating municipality must determine whether yard waste will be accepted from municipal/residential sources only, or whether material will be accepted from commercial sources also.

The municipality is responsible to transport processed mulch to the Beaver County Yard Waste Compost Site for final processing and end use marketing.

OPTION 2. Participating municipality elects to collect brush, Christmas trees, yard waste and deliver directly to the Beaver County Yard Waste Composting Site for processing, in lieu of establishing their own municipal drop-off processing site.

Municipalities planning to either use processed mulch materials on public property, or make mulch available to residents, should consider implementing an Option 1 type program. This type program will offer the most cost effective means of accomplishing their goals.

BEAVER COUNTY YARD WASTE COMPOSTING SITE

The Beaver County Yard Waste Composting Site is located in Brighton Township, Beaver County, off Doyle Drive. This facility is operated by the Beaver County Department of Waste Management and funded by Act 101, Section 902 Grants from the Pennsylvania Department of Environmental Protection, County funding provided through the Board of County commissioners, and municipal fees.

Refer to Appendix "C" for location map.

This site is not open to individual residential drop-off. Deliveries to the site must be made by municipalities, or contractors acting as agents of municipalities, or private contractors paying yardage fees.

Refer to Appendix "B" for fee structure and yardage calculation method.

The site will be managed by a professional composting/organics management firm on a pilot basis until complete privatization is feasible. This firm will be responsible for composting and marketing the mulch materials.

FEE SCHEDULE

Refer to Appendix B for a complete schedule of fees and yardage calculation methodology.

Public sector participants will be invoiced on a quarterly basis, as necessary, and private sector participants will be invoiced monthly. All deliveries or site visits will be reflected on a "Yardage Calculation" form (*Refer to Appendix B*) for tracking purposes.

SUMMARY

This program has been developed in accordance with Chapter 4, Section 4.8 of the Beaver County Municipal Solid Waste Management Plan in order to provide an efficient, cost effective, program for handling organic yard waste in Beaver County. As indicated in the Introduction and Program Scope Section of this report certain leaf and yard waste collection activities are mandated by state law, while participation in this program is not. This program is offered to the municipalities and residents of Beaver County by the Board of Commissioners and the Department of Waste Management; as a cooperative effort to provide efficient, cost effective yard waste processing capacity; while complying with Pennsylvania regulations. Anyone needing further information on, or wishing to participate in this program, is encouraged to contact the Beaver County Department of Waste Management at (724) 843-9450.

APPENDIX "A"

**Municipal Compliance Requirements
Participating Farm Sites
Site Location Map**



BEAVER COUNTY DEPARTMENT OF WASTE MANAGEMENT

COURTHOUSE, BEAVER, PENNSYLVANIA 15009
(412) 843-9450

DIRECTOR
CHARLES J. RAABE

COUNTY COMMISSIONERS
JAMES ALBERT, Chairman
JOHN ANTOLINE
ROGER JAVENS

October 4, 1994

TO: All Beaver County Municipalities

FROM: Charles J. Raabe, Director
Beaver County Dept. of Waste Management

RE: BEAVER COUNTY REGIONAL
LEAF COMPOSTING/LAND APPLICATION PROGRAM

As identified in previous letters, Act 101, Section 1502 (a) states that effective September 1990, disposal and resource recovery facilities shall not accept for disposal/processing, truckloads composed primarily of leaf waste. Additionally, Section 1501 (c,ii) requires residents and businesses located in Act 101 mandated municipalities to separate leaf waste from other municipal waste, until collection.

In order to comply with Act 101 and provide sufficient, cost effective processing capacity for leaf waste, the County has initiated the Beaver County Regional Leaf Composting and Land Application Program. The program currently provides approximately ten (10) sites, located throughout the County, which will accept leaves from municipalities for composting in accordance with the Pennsylvania Department of Environmental Resources guidelines. Facilities currently participating in the program are located in Marion, Potter, New Sewickley, Center, and Brighton Townships, the City of Beaver Falls, and the Boroughs of Beaver, Ohioville and Economy. Refer to the attached map and contact listing for further detail. Additional sites will be added, as needed.



Recycled Paper

All Beaver County Municipalities
Regional Leaf Composting/Land Application Program
October 4, 1994
Page 2

To participate in the program, municipalities must comply with the following requirements.

1. Leaves must be delivered to a composting/land application site by municipalities or their contracted designee.
2. Leaves must be deposited in bulk at the site. Plastic bags or other containers must be emptied and removed from the site. (Paper bags may be left with leaf waste if processing is scheduled.)
3. Leaves must be free of paper, glass, metal, or other contaminants.
4. Leaves must be single-piled or chain-gate spread on fields. (Will be determined by specific site owner)
5. Leaf delivery schedules must be coordinated with the site owner.
6. Site landowners reserve the right to refuse leaf waste at any time from any municipality which is not complying with the conditions of the program.

Municipalities interested in participating in this program, should contact the Beaver County Department of Waste Management at (412) 843-9450, for site location and scheduling information.

CJR/jc#10

BEAVER COUNTY
LEAF COMPOSTING AND LAND APPLICATION PROJECT FACILITIES

REV. 05-06-99f:/program/leafsite.fac

Facility #1

Mr. Alan Dambach
Lake Forest Gardens
R.D. #2, Box 875
Fombell, PA 16123
Phone: (724) 758-5706

Facility #2

Facility #3

Mr. Philip Floyd
405 Pleasant Drive
Aliquippa, PA 15001
Phone: (724) 773-3890

Facility #4

Facility #5

Facility #6

Mr. Andrew Samchuck
R.D. #2, Box 226
Reno Street Extension
Rochester, PA 15074
Phone: (724) 774-7043

Facility #7

Facility #8

Beaver County Yard Waste Composting Site
Brighton Twp.
Beaver, PA 15009
Phone: (724) 843-9450

Facility #9

Nicol Dairy
c/o Randy Nicol
1745 Dutch Ridge Road
Beaver, PA 15009
Phone: (724) 728-4920

Facility #10

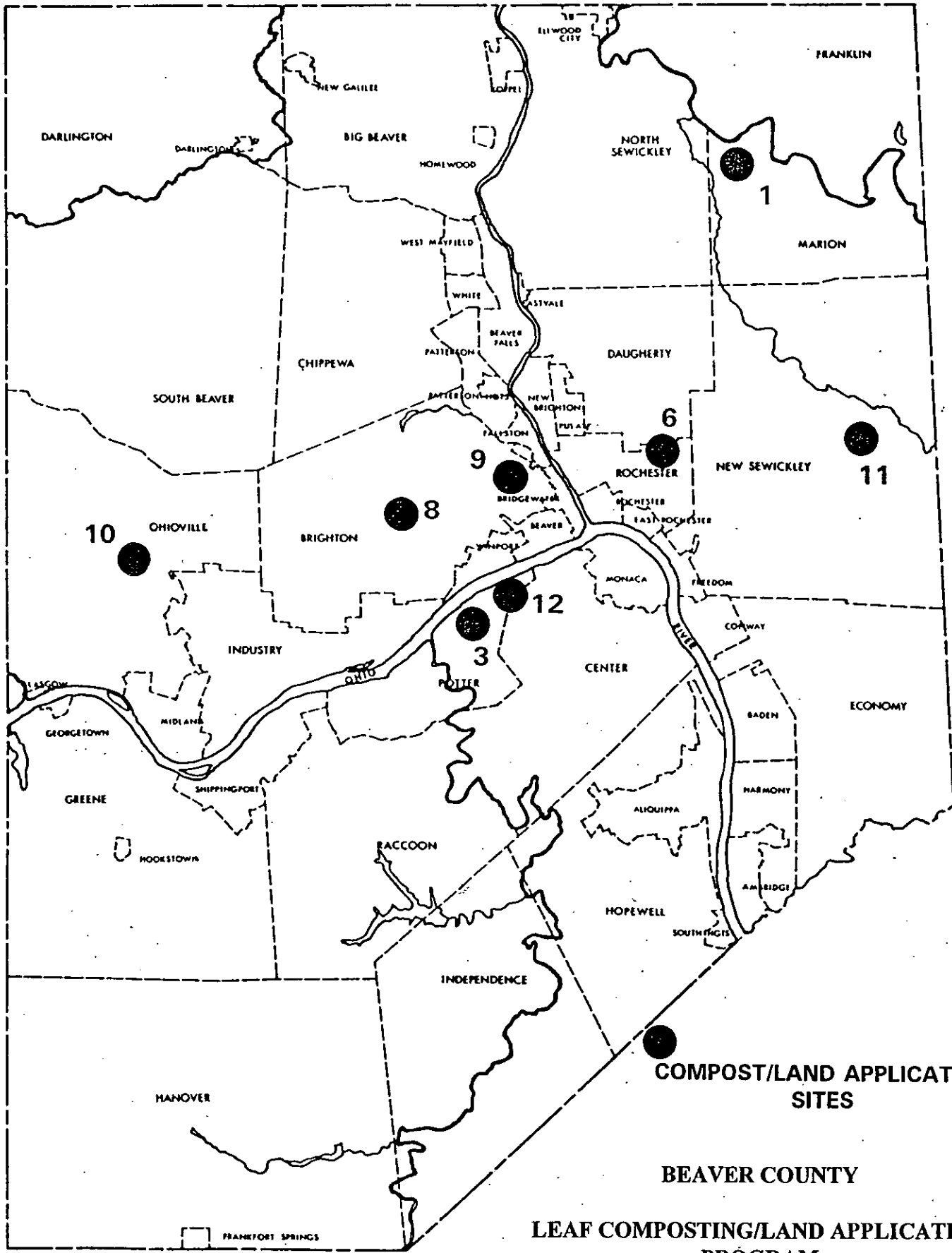
Hornick Farm
%Mr. Ernie Dostalick
287 Ridgemont Drive
Industry, PA 15052
Phone: (724) 643-4137

Facility #11

Kretschmann Farm
R.D. 1, Box 50
Ziegler Road
Rochester, PA 15074
Phone: (724) 452-7189

Facility #12

Zinc Corporation of America
Attn: Mr. Joe Uriah
300 Frankfort Road
Monaca, PA 15061
Phone: (724) 774-1020 Ext. 546



COMPOST/LAND APPLICATION SITES

BEAVER COUNTY

LEAF COMPOSTING/LAND APPLICATION PROGRAM

01/98

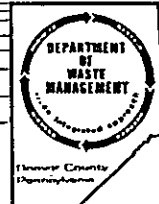
BEAVER COUNTY PENNSYLVANIA

APPENDIX "B"

**Fee Schedule
Method of Calculation
Invoice Form**



Fact Sheet



YARD WASTE COMPOSTING AND LAND APPLICATION PROGRAM

FEE SCHEDULE

YARD WASTE MATERIAL	FEE PER CUBIC YARD * ¹		
	(≥ 500 c.y.) Municipal Large Volume	(< 500 c.y.) Municipal Small Volume* ₄	Private/ Commercial* ²
Yard Waste Requiring Initial Shredding* ³ (i.e.: brush, trees, etc.)	\$3.75	\$4.50	\$7.00
Yard Waste Not Requiring Initial Shredding (i.e.: grass, leaves, sawdust, wood chips)	\$1.50	\$1.50	\$4.00
Yard Waste Requiring Special Shredding (i.e.: stumps, logs over 7" in diameter, etc.)	\$15.00		\$15.00

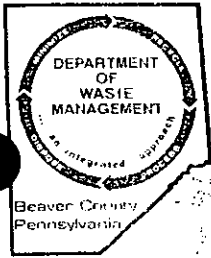
Notes:

*₁ Yardage based on delivery vehicle configuration as per attached chart.

*₂ Recommend municipalities charge \$2.00/c.y. in addition to this fee to cover transportation to county site for composting.

*₃ A mobilization fee of \$200.00 per day will be billed if material shredded at a satellite site is not delivered to the Beaver County Yard Waste Compost Site within three months after shredding.

*₄ Rate applies only to material processed at satellite sites.



**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

469 Constitution Blvd.
New Brighton, PA 15066

Department Office
(724) 843-9450

Recycling Center
(724) 843-2868

FAX (724) 847-1058

**DIRECTOR
CHARLES J. RAABE**

**COUNTY
COMMISSIONERS
BEA SCHULTE,
Chairman
DAN DONATELLA
NANCY LOXLEY**

**YARD WASTE COMPOSTING AND LAND APPLICATION
PROGRAM**

YARDAGE CALCULATION

1. Measure delivery vehicle cargo body configuration (*in feet*)
2. Calculate capacity of delivery vehicle cargo body in cubic feet (Ft³) as follows:
Length (L) X Width (W) X Height (H) = _____ ft³
3. Calculate volume of delivery vehicle cargo body in cubic yards (yd³) as follows:
Divide Item 2 ft³ by 27 ft³/yd³ = _____ yd³
4. Adjust Item 3 volume calculation based on percentage of cargo capacity filled as follows: (*if truck is only half full*)
Multiply Item 3 yd³ X 50% (½) Full = _____ yd³
5. Calculate fee as follows:
Multiply Item 4 _____ yd³ X (appropriate fee per yd³ from page 1) = \$ _____
_____ *TO BE BILLED*
6. ENTER FEE \$ _____
_____ *PAYMENT RECEIVED*

Material Received By: _____ Date: _____

Name of Contractor/Municipality Delivering Material

Contact Person

Signature

Address

Phone



BRUSH SITE - MODEL CALCULATIONS CHART

MID-SIZE PICK-UP

$$\begin{aligned} 7' \times 4' \times 2' &= 56 \text{ Ft}^3 \\ 56 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 2.1 &= \underline{2 \text{ Yd}^3} \end{aligned}$$

FULL-SIZE PICK-UP

$$\begin{aligned} 8' \times 5' \times 2' &= 80 \text{ Ft}^3 \\ 80 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 3.0 &= \underline{3 \text{ Yd}^3} \end{aligned}$$

SMALL SINGLE AXLE DUMP BODY WITH 2 FT. SIDES

$$\begin{aligned} 7' \text{W} \times 8' \text{L} \times 2' \text{H} &= 112 \text{ Ft}^3 \\ 112 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 4.2 &= \underline{4 \text{ Yd}^3} \end{aligned}$$

LARGE SINGLE AXLE DUMP BODY WITH 3 FT. SIDES

$$\begin{aligned} 7' \text{W} \times 10' \text{L} \times 3' \text{H} &= 210 \text{ Ft}^3 \\ 210 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 7.8 &= \underline{8 \text{ Yd}^3} \end{aligned}$$

STANDARD TANDEM AXLE DUMP BODY

$$\begin{aligned} 8' \text{W} \times 14' \text{L} \times 4' \text{H} &= 448 \text{ Ft}^3 \\ 448 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 16.6 &= \underline{17 \text{ Yd}^3} \end{aligned}$$

STANDARD TRI-AXLE DUMP BODY

$$\begin{aligned} 8' \text{W} \times 15' \text{L} \times 5' \text{H} &= 600 \text{ Ft}^3 \\ 600 \text{ Ft}^3 \div 27 \text{ Ft}^3/\text{Yd}^3 &= 22.2 &= \underline{22 \text{ Yd}^3} \end{aligned}$$

STATEMENT
DATE

F BEAVER COUNTY
R DEPARTMENT OF WASTE MANAGEMENT
O 469 Constitution Blvd.
M New Brighton, PA 15066

AS OF:

T
O

INVOICE NO.

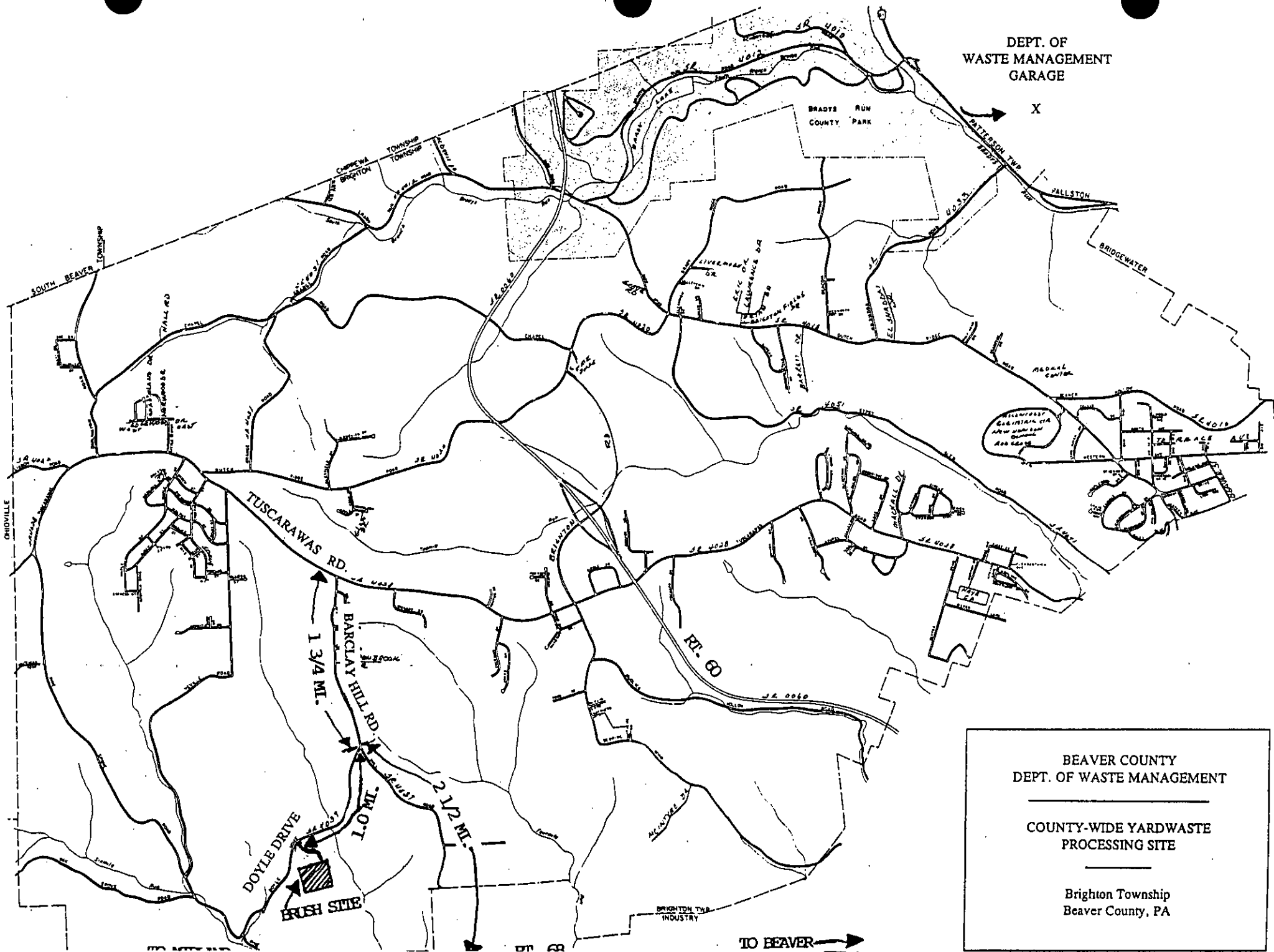
DATE	REF #	QUANTITY	DESCRIPTION	PROCESSING FEE PER CY	AMOUNT
PAY THIS AMOUNT →					

REMIT TO: BEAVER COUNTY
DEPARTMENT OF WASTE MANAGEMENT
469 CONSTITUTION BLVD.
NEW BRIGHTON, PA 15066

PHONE: (724) 843-9450

APPENDIX "C"

Location Map



DEPT. OF
WASTE MANAGEMENT
GARAGE

X

BEAVER COUNTY
DEPT. OF WASTE MANAGEMENT

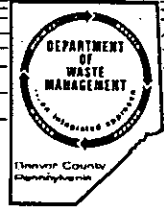
COUNTY-WIDE YARDWASTE
PROCESSING SITE

Brighton Township
Beaver County, PA

TO BEAVER →



Fact Sheet



BEAVER COUNTY RECYCLED NEWSPAPER BEDDING PROGRAM

DROP-OFF LOCATIONS

Economy Borough

Economy Borough Building Lot
Conway-Walrose Road
2nd Saturday of every month ▶ 9am to 12 noon
Phone: 869-4779

Borough of Bridgewater

Bridgewater Fire Department
735 Market Street (rear)
4th Saturday of every month ▶ 8am to 12 noon
Phone: 774-7615

Beaver County Recycling Center

(Beaver County Residents)
Brady's Run Park
Tuesday, Wednesday, Thursday ▶ 9 am to 4 pm
1st & 3rd Saturday of every month ▶ 9am to 1 pm
Phone: 843-2868

New Sewickley Township

Miller Road
Rochester, PA 15074
2nd & 4th Sat. of every month ▶ 9am to 12 noon
Phone: 774-7822

Baden Borough

Baden Municipal Building
149 State Street
Baden, PA 15005
Every other Saturday (same week as recycling)
9am to 12 noon
Phone: 869-3700

Metalife Resources, Inc.

(Beaver County Residents)
136 Sara Drive
Monday - Friday ▶ 8:30 am to 4pm
Phone: 758-2755

Conway Borough

Conway Borough Building (rear lot)
Conway-Walrose Road
Last Saturday of every month ▶ 9am to 12 noon
Phone: 869-9530

Vanport Township

Vanport Fire Department Lot
435 Jefferson Street
3rd Saturday of every month ▶ 9am to 12 noon
Phone: 774-6420

Midland Borough

936 Midland Avenue
Midland, PA 15059
3rd Saturday of every month ▶ 9am to 12 noon

Hopewell Township

Township Depository on Longvue Ave/Sohn Rd.
Summer hours: Tues. & Thurs. Noon to 8pm
Saturday 9am to 5 pm
September: Tues. & Thurs. Noon to 7 pm
October: Noon to 6pm
Nov. & Dec. Noon to 5pm
Phone: 378-1460

PREPARATION GUIDELINES

REGULAR MONTHLY COLLECTIONS

NEWSPAPER (ALL LOCATIONS)

Follow these simple rules to prepare your old newspaper for recycling:

- Place in a paper grocery bag.
- Keep newspaper clean and dry
- Separate from other recyclables
- Remove glossy advertisements and discard

MAGAZINES (Brady's Run and Metalife Resources, Inc.)

Follow these simple rules to prepare your magazines for recycling:

- Glossy magazines only (Covers and Pages)
- NO TV Guide or Reader's Digest
- Place in cardboard box
- Keep dry
- Separate from newsprint & other recyclables

SPECIAL COLLECTIONS

Telephone directories will be accepted for recycling at all above locations during the month of March **ONLY**.

● PLEASE SUPPORT YOUR MUNICIPALITY IN THIS COMMUNITY EFFORT ●



APPENDIX C

**FACILITY QUALIFICATION REQUEST
AND
DISPOSAL CAPACITY AGREEMENT**

**Beaver County
Facility Qualification Request
for
Municipal Waste
Disposal/Processing Capacity**

June 2000

**Beaver County Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066
(724) 843-9450**

A. INTRODUCTION

1. PURPOSE OF FACILITY QUALIFICATION REQUEST (FQR)

This FQR is being issued by Beaver County, Pennsylvania to solicit responses from interested parties to negotiate an agreement for providing disposal capacity for municipal and residual waste generated in Beaver County for up to ten years. Respondents are requested to provide all or part of the capacity required to assure the safe disposal of all municipal and residual waste generated in the County.

This FQR process is in accordance with the Beaver County Municipal Waste Management Plan update process that is currently under way. The Plan update process will be completed to coincide with the commencement of waste disposal services secured through this process. Through this FQR, Beaver County will ensure that the facility selection process is fair, open, competitive and flexible. The County intends to qualify and execute agreements with any facilities that currently receive municipal and/or residual waste from County municipalities or businesses or who can demonstrate commitments to accept municipal and/or residual waste from County sources.

The process is flexible in that a County licensed hauler, municipality, business or the facility itself may petition the County to be included in the Plan anytime in the future when there is a commitment to receive municipal and/or residual waste from a County source. It is simple in that the facility need only complete the Submittal Form for Municipal Solid Waste Disposal Services, meet the qualifications, and agree to the terms of the standard agreement executed with all facilities that are included in the Plan. Finally, it is quick in that there is a set schedule that ensures the process will move quickly and that a facility can be qualified and added to the Plan in a reasonably expeditious timeframe.

All Respondents must guarantee all or part of the disposal capacity needed by the County for the next ten years. If only a part of the capacity required is being offered, the Respondent must be very specific about the portion of the capacity being provided by the facility they are proposing. All facilities being proposed to accept part or all of the municipal and/or residual waste generated in Beaver County must meet the minimum federal, state and local rules and regulations.

The purpose of this FQR and agreement process is to allow municipal and/or residual waste to be transported and disposed of at one or more licensed/permitted solid waste disposal/processing sites throughout the ten-year period. Therefore, the County **will not** guarantee municipal and/or residual waste quantities to any one facility. The County intends to develop capacity agreements with all qualified, permitted solid waste disposal facilities that apply. The County will require County licensed haulers to dispose of their municipal waste only at facilities approved by and under agreement with the County to accept County generated municipal waste, which includes sewage sludge and construction/demolition (C/D) waste. The County is requesting separate price information within the FQR questionnaire forms for sewage sludge and C/D waste disposal capacity. While capacity is being reserved for residual waste because it comprises a significant portion of the County's waste stream, County licensed haulers will not be required to deliver this waste to designated facilities.

During the ten-year timeframe of the capacity agreement(s), the County will enable licensed haulers or municipalities to request the qualification of additional facilities for disposal of County generated municipal and/or residual waste. All additional facilities under consideration must complete this FQR process and agree to comply with the terms and conditions of the County's Municipal Waste Disposal Capacity Agreement. The updated Plan will clearly define the process for adding disposal facilities in the future.

2. DISPOSAL TONNAGES

Beaver County will require up to 150,000 tons of capacity per year for municipal waste and up to 60,000 tons for residual waste for the next ten years. This tonnage is based on historical weight data from State Waste Destination Reports, and hauler and landfill reports furnished directly to the County. The reported tonnage has been projected for the next ten years and has been adjusted for recycling.

3. EVALUATION PROCEDURE

The information provided in response to this FQR will be used to qualify the facility or facilities to provide the required disposal capacity needs for County generated municipal and/or residual waste. **A primary factor in qualifying facilities is the willingness of the facility representative(s) to comply with all the terms and conditions of the attached Municipal Waste Disposal Capacity Agreement.** In particular, the County will require the cooperation of the qualified facilities to collect the Administrative Fee from Beaver County licensed haulers delivering Beaver County generated municipal waste. These fees are the primary source of revenue for operation of the Beaver County Department of Waste Management, which is responsible for the implementation of the County's Municipal Waste Management Plan.

This FQR solicitation represents the first in a two-step process leading to the qualification of disposal facilities to enter into an agreement with the County. The County will qualify facilities for the second-step negotiation process solely on the basis of their submissions to this FQR.

All evaluation data shall be confidential information retained by the County. The County will honor no requests for information on the evaluation data and procedures. Any interviews required as part of this process will be held with the express understanding that there will be no claims whatsoever for reimbursement from the County for the associated costs or expenses of the Respondents.

If a Respondent is qualified under this process, and ultimately executes the attached agreement as a result of negotiations completed under this process, the Respondent shall agree and acknowledge that any existing agreement or contract for the purpose of reserving disposal capacity between the Respondent and the County are thereby rendered null and void. Any other agreements shall remain in full force and effect.

4. PROJECT SCHEDULE

- The FQR will be advertised on June 24, 2000, and made available to interested parties.
- Responses to this request will be due to the County by 3:00 P. M. Eastern Daylight Time on July 31, 2000.

- The County will review responses from August 1, 2000 through August 31, 2000, and qualify facilities to provide ten years of disposal capacity for County generated municipal waste.
- The County's Solid Waste Advisory Committee will meet in late August 2000 to review the decisions of the County.
- Qualified facilities will be contacted between September 1 and September 30, 2000.
- The County anticipates having fully executed Disposal Capacity Agreements with each qualifying facility by October 1, 2000, which will serve as the effective date of the new agreements.

The County anticipates following this schedule. It may be subject to change.

B. INSTRUCTIONS TO RESPONDENTS

1. SCOPE OF SERVICES

The work to be performed under this agreement shall consist of providing municipal and/or residual waste disposal services for the County in accordance with the provisions of this FQR. The Respondent(s) shall be responsible for providing and maintaining a permitted processing and/or disposal facility and all labor, equipment, materials, tools, insurance, permits, supervision and all other items necessary to process and dispose of municipal and/or residual waste in accordance with all applicable Pennsylvania Department of Environmental Protection (PADEP) and United States Environmental Protection Agency (USEPA) rules, regulations and guidelines, or other applicable state regulations if Respondent(s) is located outside of Pennsylvania. The specific types and quantities of materials to be accepted by the Respondent(s) will include only those quantities of acceptable waste generated within the jurisdiction of the County of Beaver.

2. TERMS OF AGREEMENT

The initial term of the contract shall be for a period of no less than five (5) years with five (5) one year renewal periods for a total of ten (10) years of disposal capacity. The County shall have the option to renew the agreement under the terms and conditions specified in the initial agreement. The initial term of the agreement shall begin on the date that the Respondent(s) starts providing disposal service for the County and shall be automatically renewed on the fifth year anniversary of that date, and annually thereafter, unless the County has exercised its right to end the agreement with ninety (90) days notice. The agreement will be renewed annually thereafter, for up to five (5) additional years.

3. PREPARATION AND SUBMISSION OF RESPONSES

- a) All responses must be prepared and submitted on the Submittal Forms included in this FQR. The completed Submittal Forms and the other documents shall be submitted as a package.
- b) All responses must be legibly typewritten. All Submittal Forms must be completed in their entirety or the response may be subject to rejection by the County.
- c) Except where specifically allowed in the Submittal Forms, no response will be considered which is not based on the attached Municipal Waste Disposal Capacity Agreement contained herein, or exceptions other than those allowed by the response document, or which contains any letter or written memorandum qualifying the response, or which is not properly completed and signed in writing by an authorized official or representative of the Respondent(s).
- d) Any and all questions concerning the response shall be submitted in writing and delivered to the County no later than July 14, 2000. Any questions so submitted will be responded to on or before July 21, 2000.

- e) All sealed responses must include an executed Non-Collusion Affidavit as provided in this request package.
- f) Sealed responses shall include four (4) copies, including the original, and shall be delivered to the Beaver County Department of Waste Management, 469 Constitution Boulevard, New Brighton, PA 15066, by 3:00 p.m. Eastern Daylight Time on July 31, 2000. The original copy must include original signatures of the authorized representative of the facility.

4. QUALIFICATIONS AND COMPETENCY OF THE PROPOSERS

- a) The County shall have the right to make such investigations as deemed necessary to determine the ability of the Respondent(s) to perform the services required under the agreement. Upon request by the County, the Respondent(s) shall furnish and certify all such supporting data and information that the County may request to demonstrate the Respondent's qualifications and capabilities to perform the required services over the full term of the agreement.
- b) Respondent(s) may be required to submit sworn statements of their financial responsibility, technical qualifications and performance record prior to the award of any agreement.

5. RIGHT TO REJECT

The County reserves the right to reject any or all responses and to waive any informalities in the solicitation process.

6. BASIS OF PROPOSAL EVALUATION AND AGREEMENT AWARD

The County will conduct a thorough evaluation of all responses received. The evaluation will take into consideration but not be limited to the capabilities and performance history of the Respondent(s), the length of any proposed disposal commitment, the relationship between the submittal and the County's long-term municipal and residual waste disposal needs and goals, and the initial and life cycle costs of waste disposal, to determine which Respondent(s) or response(s), if any, are deemed to be in the best interest of the County and its residents. A primary consideration will be the willingness of the Respondent(s) to comply with the terms and conditions of the Municipal Waste Disposal Capacity Agreement attached herein.

7. ANTICIPATED DATE OF AGREEMENT AWARD

The anticipated date of awarding the contract is October, 2000. The County anticipates that each Respondent(s) selected for agreement will have executed agreements no later than October 1, 2000. The County reserves the right to exclude from further consideration any designated disposal facility to receive waste generated in Beaver County.

8. REQUIREMENTS FOR SIGNING SUBMITTALS

- a) Any response that is not signed by the individual submitting the response must have attached thereto a power-of-attorney evidencing authority to sign the submittal in the name of the person for whom it is signed.

- b) Any response submitted on behalf of a partnership must be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, a power-of-attorney evidencing authority to sign the response executed by the partners shall be attached.
- c) Any response submitted for a corporation must include the following:
- Designate the correct corporate name;
 - Bear the corporate seal;
 - Be signed by the president or other authorized officer of the corporation; and
 - Be attested to by the secretary or other authorized officer of the corporation.

SUBMITTAL FORM
FOR MUNICIPAL SOLID WASTE DISPOSAL SERVICES
BEAVER COUNTY

Date: June 2000

To: Beaver County Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066
ATTN: Charles J. Raabe, Director

Respondent: Company Name _____
Address _____

City _____ State _____ Zip _____
Contact _____ Telephone (_____) _____

The undersigned has examined the **Introduction, Instructions to Respondents, and Municipal Waste Disposal Capacity Agreement**, and has completed fully this **Submittal Form for Municipal Solid Waste Disposal Services (including the Non-Collusion Affidavit and the Landfill Qualification Form)** contained in this FQR dated June 2000.

This Response is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation. This Response is not submitted in conformity with any agreement or understanding with any other Respondents. Respondent has not directly or indirectly induced or solicited any other Respondent to submit a false submittal. Respondent has not sought by collusion to obtain for itself or to provide to any other Respondent any advantage over any other Respondent or over Beaver County.

If selected by Beaver County to be included as an approved facility in its Municipal Waste Management Plan, the undersigned Respondent agrees to execute and deliver the **Municipal Waste Disposal Capacity Agreement**, including the required Certificate of Insurance, to the County in accordance with all of the terms of this request.

1. TYPES AND ESTIMATED QUANTITIES OF WASTE TO BE ACCEPTED

a. Does this facility currently accept or intend to accept municipal and/or residual waste from Beaver County sources?

- Currently accepts Beaver County municipal and/or residual waste
Reported quantity received in 1999 _____ tons municipal waste
_____ tons residual waste
- Has commitment to accept Beaver County municipal and/or residual waste

If the facility does not currently receive municipal and/or residual waste from Beaver County, please specify when the facility expects to begin accepting municipal and/or residual waste from Beaver County sources and whether or not there are agreements in place for this waste, and provide documentation (letter of intent, contract, or similar document) to demonstrate that Beaver County municipal and/or residual wastes will be delivered to this facility.

Date facility expects to begin accepting Beaver County municipal and/or residual waste _____
Agreement to accept Beaver County municipal and/or residual waste Yes No
Type of documentation attached _____

b. Please check type of facility.

- Landfill Resource recovery facility
- Transfer station Municipal waste composting facility

If this is a transfer station, specify where ultimate disposal of wastes received will take place.

- Landfill Municipal waste composting facility
- Resource recovery facility

Facility Name _____

Facility Location:

State _____ County _____

Does this facility meet all applicable federal, state and local rules, regulations and guidelines?

- Yes No

c. Specify the types and quantities of municipal waste and residual generated in Beaver County that will be accepted for processing or disposal during the term of the agreement specified herein.

Waste Type	Will Accept (Y/N)	Permitted Daily Avg. Tonnage	Capacity Reserved/ Operating Day	Capacity Reserved/ Operating Week	Capacity Reserved/ Operating Year
Municipal Waste					
Construction/Demolition					
Municipal Waste Sludge					
Residual Waste					

d. Specify other types of waste not identified above and list the maximum quantities that would be accepted from Beaver County municipalities.

Waste Type	Maximum Daily Tons Accepted	Maximum Weekly Tons Accepted	Maximum Annual Tons Accepted

e. Minimum sludge characteristics required: % Solids _____

f. Will bulky wastes be accepted? Yes No

If yes, specify tonnage: _____ tons

g. Amount of Municipal Waste tonnage donated by the Respondent per year for non-profit activities, including, but not limited to, road adoptions and open dump clean-ups:

_____ tons

2. PROPOSED FEE SCHEDULE FOR WASTE DISPOSAL SERVICES

- a. The proposed tipping fee shall include all state and local fees as part of the Respondent's maximum, not to exceed, per ton disposal fee provided in the following section. The Respondent shall include the following fees as part of its maximum tipping fee in this Price Response: (i) Act 101 host municipality fee plus any additional fee negotiated by the host county or municipality; (ii) Act 101 recycling fee; (iii) Act 101 postclosure fee; and (iv) the County Administrative Fee.

Contract Year	Municipal Waste		Construction/ Demolition		Municipal Waste Sludge		Residual Waste	
	Price/ Ton	Escalation Rate	Price/ Ton	Escalation Rate	Price/ Ton	Escalation Rate	Price/ Ton	Escalation Rate
2000								
2001								
2002								
2003								
2004								
2005								
2006								
2007								
2008								
2009								
2010								

- b. Please specify the adjustment in unit cost for variations in sludge characteristics (if applicable):

- c. For disposal of other types of wastes listed in Section 1.b, identify the tipping fee rate structure that would be used (first year cost, escalation rates or future year fixed costs).

Waste Type						
Contract Year	Price/Ton	Escalation Rate	Price/Ton	Escalation Rate	Price/Ton	Escalation Rate
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						

NOTE: Respondent acknowledges that the costs presented above reflect an anticipated first year of operation under the contract starting October 1, 2000.

3. COMPANY EXPERIENCE AND OPERATING HISTORY

- a. A general landfill and resource recovery facility questionnaire is included at the end of this section. For each Respondent, this questionnaire should be completely filled out and returned as part of the Submittal package.
- b. **Pending Legal/Regulatory Actions** - Present information on past or pending lawsuits and regulatory actions against the Respondent which may have a material impact on Respondent's ability to perform under this contract, and list any fines and/or penalties that have been imposed on Respondent by the PADEP, Federal or other State agencies on any solid waste facility that Respondent has had permitted over the past five years (attach separate sheets, if necessary).

d. **Company Obligations** - List any obligations the Respondent has made which will commit processing and/or disposal capacity at the proposed site to parties other than Beaver County. Include host community disposal obligations which may be required under 25PA Code § 272, or other State and Federal regulations (attach additional sheets, if necessary).

e. **Strength of Commitments and Contingency Plans** - Provide descriptive information on the following matters (attach separate sheets or include additional documents for response).

- (1) Confirmation of available disposal capacity at a disposal facility, which currently has and will maintain, through the contract period, proper processing and/or disposal permits.
- (2) Confirmation of transfer trailer accessibility to the proposed disposal facility.
- (3) Information on financial strength of the Responder to support the operation of the disposal facility and back the obligations and commitments to Beaver County as specified above.
- (4) Position of the Responder regarding specific reservation of air space or capacity at disposal facility for duration of the contract term.
- (5) Contingency plans for continued disposal of waste in the event of a reduction in waste disposal capacity at the proposed disposal facility.
- (6) Ability and willingness of the Responder to accept variations in rates of waste delivery from Beaver County.

f. **Deviations or Exceptions to Contract Specifications** - Beaver County will provide a standard agreement to each Responder selected for negotiations. This standard agreement is intended to reduce the time period for negotiations. The County does not intend to deviate from this standard agreement. If this submittal is premised upon any deviation, qualification and/or exception to the standard terms and conditions of the Agreement Specifications section of this Facility Qualification Request, the Respondent must cite such deviations and/or exceptions in the following section (attach separate sheets, if necessary).

g. **Please state distance from County seat – Beaver Borough – to your facility.** _____ Miles

h. **Days and Hours of Operation** _____

4.

4. CONSIDERATION OF TERMS AND CONDITIONS OF FQR

To: Beaver County Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066
Attention: Charles J. Raabe, Director

From: _____ (Name of Firm)
_____ (Mailing Address)

_____ (Contact Person)
_____ (Telephone Number)

- a. The undersigned having carefully read and considered the terms and conditions of the Agreement Specifications and other documents contained in the FQR package, and being familiar with the local conditions affecting the cost of the work, does hereby propose to furnish all labor, equipment, materials, tools, insurance, permits supervision and all other items necessary to provide municipal waste disposal services in accordance with the Beaver County Disposal Capacity Agreement under the conditions and rates hereinafter set forth.
- b. In submitting this response, it is understood that the County reserves the right to reject any or all submittals, to waive any informalities in any submittal or the solicitation process, and to negotiate any final contract provisions based on the responses submitted.
- c. In submitting this response, undersigned agrees that no Price Proposal may be withdrawn for a period of four (4) months after the date for receipt of responses and that all Price Respondents shall be valid for this entire period, subject to cost adjustment as identified, unless advance written consent for such withdrawal is granted by the County.

Date: _____ (Name of Firm)

By: _____

Title: _____

ATTEST:

AFFIX
CORPORATE
SEAL

BEAVER COUNTY, PENNSYLVANIA
MUNICIPAL WASTE MANAGEMENT PLAN
FACILITY QUALIFICATION FORM

A. BACKGROUND INFORMATION

1. Date: _____
2. Name of Landfill: _____
3. Owner of Landfill: _____
4. Address and Phone Number of Owner: _____

5. Address of Landfill (if different from above): _____

6. Contact Person: _____ Title: _____
 Phone: _____
7. Person Supplying Information: _____ Title: _____
 Phone: _____
8. State where Corporation is registered _____

B. PERMIT INFORMATION

Please complete the following for the portion of the site for which an approved PADEP municipal waste disposal permit or permit from state(s) outside of Pennsylvania has been obtained. Questions regarding proposed expansions are asked in a separate section of the questionnaire.

1. Permit Number _____
2. Permit Site Acreage _____ acres. Disposal Area _____ acres.
3. Permitted Capacity _____ tons/cubic yards.
4. Permitted Capacity _____ years.
5. Waste Types and Quantities (1999)
Please Identify:
 - a. the maximum and average daily permitted quantities (in tons) of each of the listed types of waste,
 - b. the expected annual tonnage of each type of waste, and
 - c. current tipping fees charged for waste deliveries

	Permitted	Permitted	Expected	Current Tipping Fee
--	------------------	------------------	-----------------	----------------------------

Waste Type	Maximum Daily Tons	Average Daily Tons	Annual Tons	(specify ton or cubic yard)
Municipal Waste (except for types listed below)				
Residual Waste				
Infectious & Chemotherapeutic Waste				
Incinerator Ash				
Asbestos				
Construction/Demolition Waste				
Sewage Sludge				
Other (please specify)				

Minimum % Solids of Sewage Sludge _____ %

6. Of the area subject to the permit, what is the estimated total available disposal capacity between January 1, 2003 and final closure?

Approximately _____ tons over _____ years.

C. DESCRIPTION OF FACILITY (add additional pages, if needed)

1. Please describe the sub based linear design of your landfill (please include thickness of synthetic liners) of your facility's permitted operations.

a. Primary Liner: (check those that apply)

- Synthetic membrane Thickness = _____ mils Material _____
- Remolded clay Thickness = _____ Permeability _____
_____ cm/sec
- Other _____

Secondary Liner:

- Synthetic membrane Thickness = _____ mils Material _____
- Remolded clay Thickness = _____ Permeability _____
_____ cm/sec
- Other _____

c. What portions of this system are currently in place? _____

2. Leachate Collection and Treatment Method currently permitted and in operation.

3. Please list any current or expected site access restrictions to transfer trailers or other vehicles (bridges, road limitations, grade, etc.)

4. Do you provide any processing or other handling of recyclables at your facility?
If yes, please explain.

If no, what plans do you have to add recyclables handling and processing at your facility?

D. EXPANSION PLANS

Please summarize your expansion plans in narrative form. Indicate status of design and permit requirements, and expected date of initial operation of expansion.

1. Expected Waste Types

Expected Waste Types	Estimated Annual Quantity to be Processed or Disposed (tons/cubic yards)	Percent of Total Quantity
Municipal Waste (except for types listed below)		
Residual Waste		
Infectious & Chemotherapeutic Waste		
Incinerator Ash		
Asbestos		
Construction/Demolition Waste		
Sewage Sludge		
Other (please specify)		

2. Additional Capacity

Expected Total Capacity (tons or cubic yards) _____

Expected Lifetime (yrs.) _____

Expected Start of Expansion Development _____

Start of Operations Date _____

NON-COLLUSION AFFIDAVIT

STATE OF _____:
COUNTY OF _____:

I state that I am _____ of _____
(Name of firm) and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for providing the pricing information and the reserved tonnages included in this response.

I state that:

1. The price(s) and tonnages contained in this response have been arrived at independently and without consultation, communication or agreement with any other contractor, Respondent or potential Respondent.
2. Neither the price(s) nor the tonnages contained in this response, and neither the approximate price(s) nor approximate tonnages in this response, have been disclosed to any other firm or person who is a Respondent or potential Respondent, and they will not be disclosed before opening.
3. No attempt has been made or will be made to induce any firm or person to refrain from responding to this FQR, or to submit a response higher than this response, or to submit any intentionally high or noncompetitive response or other form of complementary response.
4. The response of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive response.
5. _____ (Name of firm), its affiliates, subsidiaries, officers, directors and employees are not currently under investigation by any governmental agency and have not in the last five (5) years been convicted or found liable for any act prohibited by state or federal law in any jurisdiction, involving conspiracy or collusion with respect to proposing on any public contract, except as follows (attach additional pages if necessary):

I state that _____ (Name of firm) understands and acknowledges that the above representations are material and important, and will be relied on by the County in awarding the agreements for which this Response is submitted. I understand

and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from Beaver County of the true facts relating to the submission of Responses for this contract. I understand and my firm understands that any fraudulent concealment will allow the County to pursue all applicable remedies at law or equity including, but not limited to, the right to reject this Response.

Sworn to and Subscribed before me

Name _____

This _____ day of _____, 2000.

Company Position

(Notary Public)

My Commission Expires: _____

**MUNICIPAL WASTE DISPOSAL CAPACITY AGREEMENT
COUNTY OF BEAVER**

THIS MUNICIPAL WASTE DISPOSAL CAPACITY AGREEMENT (Agreement) made this _____ day of _____, 2000, by and between the COUNTY OF BEAVER, a political subdivision of the Commonwealth of Pennsylvania (County), and _____ (Operator).

BACKGROUND

The Municipal Waste Planning, Recycling and Waste Reduction Act (Act 101) requires the County, as part of its Municipal Waste Management Plan, to provide capacity assurance for the processing and/or disposal of all municipal waste expected to be generated within the County for a period of at least ten (10) years. To meet its obligation, the County issued a Facility Qualification Request (FQR) to solicit responses from interested parties to negotiate an agreement to provide capacity for all or a portion of municipal waste and residual waste generated in Beaver County for up to ten (10) years. The Operator responded to the FQR, met the qualification requirements, and the Operator's proposal was accepted by the County Board of Commissioners. This Agreement provides the terms and conditions under which the Operator will provide disposal capacity and services for the benefit of the County.

NOW, THEREFORE, in consideration of the mutual promises contained herein and with intent to be legally bound, the parties hereby agree as follows:

Article 1. General Definitions and Terms

1.1 Definitions

Unless the context clearly indicates otherwise, the following words and terms, as used in this Agreement, shall have the following meanings:

Acceptable Waste. Municipal waste and all other wastes the facility is permitted to accept under applicable laws and regulations.

Act 101. The Pennsylvania Municipal Waste Planning, Recycling and Waste Reduction Act of 1988.

Agreement. The Municipal Waste Disposal Capacity Agreement between the County and the Operator, as amended, supplemented or extended.

Alternative Facility. Any duly licensed or permitted facility designated by the Operator to accept County-generated acceptable wastes during temporary or protracted cessation of operation at the facility.

Commercial Establishment. An establishment engaged in non-manufacturing or non-processing business, including, but not limited to, stores, markets, office buildings, restaurants, shopping centers and theaters.

Construction/Demolition Waste. Solid waste resulting from the construction or demolition of buildings and other structures, including, but not limited to, wood, plaster, metals, asphaltic substances, bricks, block and unsegregated concrete. The term also includes dredging waste. The term does not include the following if they are separate from other waste and are used as clean fill: (i) uncontaminated soil, rock, stone, gravel, unused brick and block and concrete; and

(ii) waste from land clearing, grubbing and excavation, including trees, brush, stumps and vegetative material.

County. The County of Beaver, Commonwealth of Pennsylvania.

Department or DEP. The Pennsylvania Department of Environmental Protection (DEP).

Facility. Processing and/or disposal facilities, including municipal waste, construction/demolition and residual waste landfills, resource recovery facilities and transfer stations, that are fully permitted and licensed for the disposition of municipal waste (as defined herein), and/or residual waste.

Hazardous Waste. A solid waste or combination of solid wastes which, because of its quantity, concentration or physical, chemical or infectious characteristics may: (1) cause or significantly contribute to an increase in mortality or an increase in morbidity in either an individual or the total population; or (2) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed or otherwise managed; or (3) is otherwise defined as hazardous by any federal or state statute or regulation.

Industrial Establishment. An establishment engaged in manufacturing and industrial processes, including, but not limited to, those carried out in factories, foundries, mills, processing plants, refineries, mines and slaughter houses.

Institutional Establishment. An establishment engaged in service, including, but not limited to, public buildings, hospitals (non-infectious waste only), nursing homes, orphanages, schools and universities.

Leaf Waste. Leaves, garden residues, shrubbery and tree trimmings, and similar material, but not including grass clippings.

Licensed Waste Hauler. Any person collecting and/or transporting County-generated municipal waste to the facility pursuant to a license or other authorization from the County.

Municipal Waste. Garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semi-solid or contained gaseous material, resulting from operation of residential, municipal, commercial or institutional establishments or from community activities; and any sludge not meeting the definition of residual or hazardous waste from a municipal, commercial or institutional water supply treatment plant, wastewater treatment plant or air pollution control facility. Municipal waste includes, as per Commonwealth law, construction/demolition waste, municipal sludges, asbestos, infectious/chemotherapeutic waste and incinerator ash residue. The term does not include source separated recyclable materials or material approved by DEP for beneficial use.

Municipality. Any city, borough, incorporated town, township or county or any municipal authority created by any of the foregoing.

Operator. _____, or any permitted successors, assigns, or affiliates.

Operator's Facility. The Operator's permitted facility located in _____
(Township/Borough/City), _____ County, Pennsylvania, or in _____
(other state)

Parent. Any corporation, now or at any time or times hereafter, owning or controlling (alone or with any other person) at least a majority of the issued and outstanding capital stock of the Operator.

Permit. A permit issued by DEP, or a permit and/or license issued by a state and/or local regulatory agency, as required, to operate a municipal waste disposal or processing facility.

Person. Any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization, or government or any agency or political subdivision thereof.

Plan. The County Municipal Waste Management Plan approved pursuant to Act 101.

Residual Waste. Any garbage, refuse, other discarded material or other waste, including solid, liquid, semi-solid or contained gaseous material resulting from industrial, mining and agricultural operations; and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous.

Resource Recovery Facility. A facility that provides for the extraction and utilization of materials or energy from municipal waste that is generated off-site, including, but not limited to, a facility that mechanically extracts materials from municipal waste, a combustion facility that converts the organic fraction of municipal waste to usable energy and any chemical or biological process that converts municipal waste into a fuel product or other usable material. The term does not include methane gas extraction from a municipal waste landfill, nor any separation and collection center, drop-off point or collection center for recycling municipal waste, or any source separation or collection center for composting leaf waste.

Tipping Fee. The schedule of fees established by the owner or operator of a facility for accepting various types of solid waste for processing or disposal.

Ton. Two thousand (2,000) pounds.

Transfer Station. A facility which receives and processes or temporarily stores municipal or residual waste at a location other than the generation site, and which facilitates the transportation or transfer of municipal or residual waste to a processing or disposal facility. The term includes a facility that uses a method or technology to convert part or all of the waste materials for offsite reuse. The term does not include a collecting or processing center that is only for source separated recyclable materials, including clear glass, colored glass, aluminum, steel and bimetallic cans, high grade office paper, newsprint, corrugated paper and plastics.

Unacceptable Waste. Any material that by reason of its composition, characteristics or quality, is ineligible for disposal at the landfill pursuant to the provisions of the Resource Conservation and Recovery Act of 1976, 42 U.S.C. §2605(e), the Pennsylvania Solid Waste Management Act, 35 P.S. §6018.101 et seq., or other applicable federal, state or local law, or any other material that the Operator concludes would require special handling or present an endangerment to the landfill, the public health or safety, or the environment.

1.2 Other Words, Terms, Phrases

Except as otherwise defined in this Agreement, all words, terms and/or phrases used herein shall be defined by the applicable definition therefore, if any, in Act 101 or the Pennsylvania Solid Waste Management Act or the regulations promulgated thereunder.

Article 2. Representations

2.1 Representations of County

The County represents and warrants that:

(a) It is a political subdivision of the Commonwealth of Pennsylvania, acting by and through its duly authorized officials, and is duly authorized to carry on the governmental functions and

operations contemplated by this Agreement and each other agreement or instrument entered into or to be entered into by the County or the municipalities within the boundaries of the County, pursuant to this Agreement.

- (b) It has the full power, authority and legal right to enter into and perform this Agreement and all other agreements or instruments which it may enter into under any provision of this Agreement.
- (c) This Agreement and each other agreement or instrument entered into by the County pursuant to this Agreement, when entered into, will have been duly authorized, executed and delivered by the County and will constitute a legal, valid and binding obligation of the County.
- (d) There is no action or proceeding before any court or administrative agency pending or, to the knowledge of the County, threatened against or adversely affecting the ability of the County to perform its obligations hereunder.

2.2 Representations of Operator

The Operator represents and warrants to the County that:

- (a) It is the owner and operator of the Operator's Facility and is permitted as such by DEP or the appropriate state regulatory agency.
- (b) It is a corporation duly organized and existing in good standing under the laws of _____ and has the corporate power and authority to enter into and perform its obligations under this Agreement and each other agreement or instrument entered into or to be entered into under any provision of this Agreement.
- (c) It has the full power and legal right to enter into and perform this Agreement and all other agreements or instruments which it may enter into under any provision of this Agreement.
- (d) This Agreement and each other agreement or instrument entered into pursuant to this Agreement, when entered into, will have been duly authorized, executed by and delivered by the Operator, and will constitute a legal, valid and binding obligation.
- (e) The execution, delivery and performance hereof by the Operator: (i) has the requisite approval of all governmental bodies; (ii) will not violate any judgment, order, law or regulation applicable to the Operator; and (iii) does not (a) conflict with, (b) constitute a default under, or (c) except as specifically created hereby, result in the creation of any lien, charge, encumbrance or security interest upon any assets of the Operator under any agreement or instrument to which the Operator is party or by which the Operator or its assets may be bound or affected.
- (f) This Agreement has been duly authorized, executed and delivered by the Operator, and constitutes a legal, valid and binding obligation of the Operator, enforceable in accordance with its terms, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws affecting the enforcement of creditor's rights generally, or by general equitable principles concerning remedies.
- (g) There is no litigation or proceeding pending or, to the knowledge of the Operator, threatened against or affecting the Operator: (i) challenging the validity of this Agreement; (ii) seeking to enjoin the performance by the Operator of its obligations under this Agreement; or (iii) which, if adversely determined, would materially adversely affect the ability of the Operator to perform its obligation under this Agreement.

- (h) Except as disclosed on Exhibit A, the Submittal Form for Municipal Solid Waste Disposal Services contained in the County's Facility Qualification Request, attached hereto and incorporated herein by reference, the Operator is not a subsidiary of any parent.

2.3 Parent Guarantee

If and to the extent that the Operator is a subsidiary of a parent, the Operator agrees to cause such parent to execute and deliver to the County a guarantee of the obligations of the Operator under this Agreement in form reasonably satisfactory to the County.

2.4 Designation as Processing/Disposal Facility

In consideration of the Operator's Covenants and this Agreement, the County hereby agrees to include the Operator's Facility in its Plan as a designated processing/disposal facility for municipal and/or residual waste generated in the County. The Operator acknowledges that this Agreement is nonexclusive and the County may enter into agreements with other facilities to perform the same work and services that the Operator is contracted to perform hereunder. Nothing contained in this Agreement is meant to imply or explicitly intend to create a "put or pay" (as that phrase has generally been understood in the solid waste disposal industry) or similarly obligatory relationship between the County and the Operator and at no time during the term of this Agreement shall the County be obligated to deliver and dispose of acceptable waste at the Operator's Facility.

If the Operator's Facility is a transfer station, the Operator must stipulate where ultimate disposal of County-generated municipal waste will take place. If ultimate disposal is to be in a facility that is not a County Designated Facility, the Operator must furnish proof that the facility holds a valid permit in the state where it is located and that it meets all appropriate federal, state and local rules, regulations and guidelines.

Article 3. Delivery and Disposal of Acceptable Waste

3.1 Delivery and Disposal of Acceptable Waste

On and after the effective date of this Agreement and pursuant to the capacity reservations specified in Exhibit A:

- (a) The County may, at its option, cause to be delivered to the Operator's Facility during the receiving times all, part or none of the acceptable waste generated in the County.
- (b) The County or any licensed waste hauler shall notify the Operator that it intends to exercise its right to deliver acceptable waste to the Operator's Facility prior to commencing the delivery of such wastes.
- (c) The Operator shall provide processing and/or disposal capacity as may be needed by the County for all acceptable waste generated within the geographic boundaries of the County and that the County may cause to be delivered to the Operator's Facility. This shall include delivery of acceptable waste on an occasional basis by individual County residents in small vehicles. The Operator and the County shall from time to time agree upon reasonable regulations and charges for such disposal, which will include all applicable fees.

3.2 Licensed Waste Haulers

The County will regulate and license haulers responsible for delivering acceptable waste to the Operator's Facility, and will provide the Operator with a current list of licensed waste haulers for the purposes of this Agreement. Except as provided in Article 3.1, the Operator shall not accept

acceptable waste generated in the County unless delivered by a licensed waste hauler holding and displaying a license from the County. The Operator:

- (a) can expect licensed waste haulers to comply with the notice requirement in Article 3.1.
- (b) agrees that it is reasonable to expect that, on average, licensed waste haulers will not be required to wait more than twenty (20) minutes at the Operator's Facility before being able to unload.
- (c) shall not give preference to vehicles owned or operated by the Operator or its affiliates or by any other person.

3.2 Release from Commitment

The Operator may at any time request that the County release it from its commitment to provide all or part of the reserved capacity required by Article 3.1 and specified in Exhibit A. Such request shall be in writing and shall set forth the basis for the request. The County shall in good faith review the Operator's request, based on the County's ability to ensure sufficient disposal capacity for municipal waste estimated to be generated during that particular calendar year, and make a determination within ten (10) business days of receipt of the request. If the request does not jeopardize the County's ability to ensure sufficient disposal capacity, it shall grant the Operator's request. The County's decision shall be in writing and delivered to the Operator. The Operator may dispute the County's decision by giving the County a written request for arbitration within five (5) working days of receipt of the decision. The arbitration shall be conducted in accordance with the provisions and rules of the American Arbitration Association. The sole issue to be arbitrated is whether the requested release can be granted without jeopardizing the ability of the County to ensure sufficient disposal capacity for municipal waste generated in the County for that year. Any decision of the arbitrator shall be final and binding on both parties. During resolution of any dispute, the Operator and the County shall each continue to perform all of their respective obligations under this Agreement without interruption or slowdown.

Article 4. Conditions for the Delivery and Disposal of Waste

4.1 Control Procedures/Weighing of Waste Deliveries

- (a) The Operator shall be required to maintain a scale that conforms to the Weights and Measurement Act of 1965, 73 P.S. §1651-1692, to weigh all incoming waste. If the Operator's Facility is located in-County, vehicles of all waste haulers delivering waste to the Operator's Facility shall be weighed and their waste loads classified, and each vehicle shall receive an appropriate record indicating the classification, origin, and weight of all waste prior to disposal at the Operator's Facility. If the Operator's Facility is located out-of-County, vehicles of licensed Beaver County waste haulers delivering municipal waste from Beaver County sources to the Operator's Facility shall be weighed and their waste loads classified, and each vehicle shall receive an appropriate record indicating the classification, origin, and weight of all waste prior to disposal at the Operator's Facility.
- (b) If at any time testing of the weighing facilities indicates that the weights are inaccurate, any adjustments of waste delivery receipts shall revert to the date the last verified scale weights were recorded by the appropriate certification agency. The County or licensed waste haulers may at all times have access to the scale accuracy records of the Operator. If the scale is inoperable for any reason, the licensed waste haulers may use another certified scale of their choice, or the Operator may direct vehicles to another certified scale closest to

the Operator's Facility. If none are available, estimated weights based on historic data pertinent to the affected licensed waste haulers shall take the place of actual weighing during the scale outage. The Operator shall make disposal invoices for the preceding month, on a monthly basis, available to the licensed waste haulers, and the Operator shall use this information to invoice the licensed waste haulers for disposal at the Operator's Facility.

4.2 Receiving Time/Hours of Operation

- (a) The Operator's Facility shall be available to receive waste during the receiving times specified in Exhibit A, attached hereto and incorporated herein by reference.
- (b) If the County or a licensed waste hauler requests and the Operator agrees, a licensed waste hauler may deliver waste at times in addition to the specified receiving times at a cost which may exceed the fees herein as mutually agreed upon by such licensed waste hauler and the Operator.
- (c) Upon request by the County, the Operator shall use reasonable efforts to accept deliveries of waste at times other than the receiving times upon seven (7) days prior written notice or, in the event of a natural disaster or other emergency condition, such shorter notice as may be practicable.

4.3 Right to Refuse Delivery

- (a) Except as noted in Article 4.2, the Operator may refuse waste delivered at hours other than the specified receiving times.
- (b) The Operator shall have the right and discretion to inspect any load entering the Operator's Facility and may refuse: (i) waste for which specific Regulatory Agency approval is required when approval has not been obtained prior to delivery; (ii) loads containing significant amounts of hazardous waste, provided that inadvertent deliveries of hazardous waste shall not constitute a breach by the County of any of its obligations under this Agreement; or (iii) loads containing significant amounts of unacceptable waste. The Operator may refuse delivery of the entire load or only the portion that contains the unacceptable materials. The Operator shall notify licensed waste haulers prior to initial waste delivery of the Operator's waste monitoring program and expected procedures and responsibilities under such program.
- (c) The Operator's Facility may not reject a load of acceptable waste from the County for any reason except those listed in Article 4.3 (a) and (b). Reaching the average daily permitted capacity may not be used as a basis for rejecting County-generated loads of acceptable waste.

4.4 Complaints

The Operator shall receive and respond to all complaints from licensed waste haulers regarding the acceptance of waste materials at the Operator's Facility. Any complaints received by the County will be directed to the Operator. In the event the Operator cannot satisfactorily resolve a complaint within five (5) working days after the complaint, the County shall have the right to demand a written explanation or satisfactory resolution of the complaint pursuant to the breach of Agreement provisions herein.

4.5 Title to Municipal or Residual Waste

Except in the case where hazardous or unacceptable wastes are delivered to the Operator's Facility, title to the municipal or residual waste and any benefits of marketing materials or energy recovery shall pass to the Operator upon delivery to the Operator's Facility and acceptance of waste by the Operator.

4.6 Permits

The Operator shall be responsible for obtaining any and all permits necessary for the construction and operation of the Operator's Facility required to comply with the terms and conditions of this Agreement, and any and all costs or expenses of obtaining such permits. Failure to obtain and maintain permits shall constitute default on this Agreement.

Article 5. Recordkeeping and Reporting Requirements

The Operator shall establish and maintain a system to provide storage and ready retrieval of the Operator's Facility operating data pertinent to this Agreement, including, but not limited to, all information necessary to verify calculations made pursuant to its fee schedule.

5.1 Basic Reporting Requirements

- (a) The Operator shall provide the County with quarterly reports of all types of waste generated in the County and delivered to the Operator's Facility by licensed waste haulers, concurrent with remittance of the County Administrative Fee. These reports should include the totals by month for each type of waste. To the extent that reports required to be submitted to DEP or any other regulatory agency contain the information required by the County, copies of said reports may be submitted to the County to comply with the Operator's reporting requirements.
- (b) Along with quarterly reports, the Operator should provide: (i) names of licensed waste haulers delivering loads of County-generated wastes; and (ii) a statement that the Operator's permit for the Operator's Facility has not been revoked or suspended, and that the Operator is in substantial compliance with all the terms and conditions of its permit, the provisions of the Solid Waste Management Act, and all applicable federal, state, DEP and County regulations.

5.2 Special Reporting Requirements

The Operator shall provide written notification to the County of any permit modification applications for the following types of permit changes at the time the application is first submitted to the state or local regulatory agency: (i) changes in permitted site volume or capacity; (ii) changes in permitted average and/or maximum daily waste volume or loading rates; (iii) changes in the permitted acreage; and (iv) changes in ownership.

5.3 Administrative Inspections

Upon reasonable notice and during regular business hours, the County and its authorized representatives shall have access to the Operator's records pertaining to the quantities and sources of County-generated municipal waste for the purpose of verifying compliance with the terms and conditions of this Agreement.

Article 6. Tipping Fees and Other Charges

6.1 Tipping Fees

- (a) All licensed waste haulers shall pay the rates set forth in Exhibit A for County-generated municipal waste, and acceptable waste. The rates shall, as applicable, include the following fees: (i) Act 101 host municipality fee plus any additional fee negotiated by the host municipality; (ii) Act 101 recycling fee; (iii) Act 101 postclosure fee; and (iv) the County Administrative Fee.
- (b) The County shall not be responsible for the direct payment of tipping fees to the Operator under the Agreement. All tipping fees shall be paid directly by the licensed waste haulers that deliver the waste to the Operator's Facility. The Operator shall be responsible for the billing and collection of all tipping fees.
- (c) The County shall not be responsible for the failure of any waste hauler, licensed or otherwise, to pay the Operator's tipping fees. In the event the County is notified of repeated delinquency or non-payment of the Operator's tipping fees by a licensed waste hauler, the County shall enforce any remedies applicable under the terms of the issuance of licenses by the County.
- (d) The Operator shall not charge a tipping fee to any licensed Beaver County hauler that exceeds the maximum rates established by this Agreement for each type of waste. Nothing in this Agreement shall prevent or preclude the Operator from negotiating alternate tipping fees with any hauler provided such fees do not exceed the maximum rates under this Agreement.
- (e) Unless the County and the Operator mutually agree to an alternate date, all annual rate adjustments shall become effective on January 1st of each year of the Agreement.
- (f) The Operator may petition the County at any time for additional rate or fee adjustments on the basis of unforeseen changes in operating costs resulting from any new or revised federal, state or local laws, ordinances, regulations, or permit requirements which were not in effect at the time this Agreement was awarded. The County shall evaluate the evidence submitted and approve all reasonable and justifiable cost adjustments.

6.2 County Administrative Fee

- (a) Operators shall collect a County Administrative Fee of one dollar (\$1.00) on each ton of municipal waste delivered to the Operator's Facility from Beaver County sources. This fee shall be forwarded as a quarterly payment consistent with the payment scheduled for Act 101 fees. The fee will be accompanied by a report as described in Article 5.1 (a). The amount of this fee will be revised on a periodic basis as deemed necessary by the County. No single increase shall exceed fifty cents (\$0.50), and the frequency of increases shall not be more than once in any twelve (12) month period. The total fee shall not exceed four dollars (\$4.00) at the end of this Agreement, or six dollars (\$6.00) in the event of the discontinuation of the two dollar (\$2.00) per ton Act 101 Recycling Fee. In this event, two dollars (\$2.00) shall automatically be added to the County Administrative Fee, effective on the first day following the discontinuation of the Act 101 Recycling Fee, and no other increases would be made over the next twelve (12) month period. The Operator shall be notified in writing at least thirty (30) days prior to the effective date of any such change.
- (b) If the Operator fails to make timely payment to the County of the County Administrative Fee, the Operator shall additionally pay the County interest on the unpaid amount due at the rate

established pursuant to Section 806 of the Act of April 9, 1929 (P.L. 343, No. 176), known as The Fiscal Code, from the last day for timely payment to the date paid.

Article 7. Insurance

- (a) The Operator shall maintain, in full force and effect throughout the term of the Agreement and any renewal or extension thereof, insurance coverages consistent with all current DEP regulations. The County and Operator hereby waive any and every claim for recovery from the other for any and all loss or damage to each other resulting from the performance of this Agreement, to the extent such loss or damage is recovered under insurance policies.
- (c) The County shall be designated as an additional insured under all required insurance policies and shall be provided with copies and certificates of said insurance policies. Each such insurance policy shall provide the County with a thirty (30) day notice of cancellation.

Article 8. Indemnification

8.1 Indemnification

The Operator or its successors and assigns shall protect, indemnify and hold harmless the County, its officers, members, employees, agents, contractors and subcontractors (County indemnified parties) from and against all liabilities, actions, damages, claims, demands, judgments, losses, costs, expenses, suits or actions and attorneys' fees, and shall defend the County indemnified parties in any suit, including appeals, for personal injury to or death of any persons or persons, or loss or damage to property arising out of:

- (a) the negligence or willful misconduct, tortious activity, error or omission of Operator or its successors or assigns, or any of its officers, agents, employees, contractors or subcontractors in connection with Operator obligations or rights under this Agreement; and
- (b) the construction, operation, closure and post-closure care and maintenance of the Operator's Facility.

The Operator shall not be liable or required to indemnify or reimburse the County or any County indemnified party for any suits, actions, legal proceedings, claims, demands, damages, costs, expenses and other attorney fees arising out of the award of this Agreement or the willful or negligent act, tortious activity, error or omission of the County or County indemnified parties.

8.2 Cooperation Regarding Claims

If either the County or the Operator shall receive notice or have knowledge of any claim, demand, action, suit or proceeding that may result in a claim for indemnification by the County against the Operator pursuant to Article 8.1, that party shall so notify the other party and provide pertinent information and documents. Failure to promptly give such notice or to provide such information and documents shall not relieve the Operator of any obligation of indemnification it may have under Article 8.1 unless such failure shall materially diminish the ability of the Operator to respond to, or to defend the party failing to give such notice against such claim, demand, action, suit or proceeding. The County and the Operator shall consult with each other and cooperate in respect of the response to and the defense of any such claim, demand, action, suit or proceeding and, in the case of a claim for indemnification pursuant to Article 8.1, the Operator shall, upon acknowledgment in writing of its obligation to indemnify the County, be entitled to cooperate with the County with respect to the defense. With the written consent of the County, the Operator may assume the defense or represent the interests of the County with

respect to such claim, demand, action, suit or proceeding which shall include the right to select and direct legal counsel and other consultants, appear in proceedings on behalf of the County and to propose, accept or reject offers of settlement.

Article 9. Disputes, Defaults and Remedies

9.1 Resolution of Disputes

In the event any claim, controversy or dispute arises between the County and the Operator, or if any approvals, agreements or concurrences specified herein shall not have been timely given, the Operator and the County shall undertake in good faith to resolve the dispute. If the County and the Operator cannot resolve the dispute, either party shall be limited to the Court of Common Pleas of Beaver County, Pennsylvania, in equity or to law to litigate such disputes, unless such failure or refusal shall be excused or justified by a default by the Operator or any uncontrollable circumstances hereunder.

9.2 Events of Default by County

The persistent or repeated failure or refusal by the County to perform under this Agreement in accordance with the terms hereof shall constitute an event of default by the County hereunder, unless such failure or refusal shall be excused or justified by a default by the Operator, provided, however, that no such failure or refusal shall constitute an event of default unless and until:

- (a) The Operator shall have given written notice to the County stating that in its opinion a particular default or defaults (to be described in reasonable detail in such notice) exists which will, unless corrected, constitute a material breach of this Agreement on the part of the County; and
- (b) The County shall have failed to cure such default within thirty (30) days from its receipt of the written notice given pursuant to Article 9.2 (a) above, provided that if the County shall have commenced to take reasonable steps to correct such default within such thirty (30) day period, the County's failure to complete its cure of the indicated default shall not constitute an event of default for as long as the County is continuing to take reasonable steps to cure such default within the earliest practicable time.

9.3 Events of Default by Operator

The Operator shall be considered to be in default of this Agreement for failure to accept acceptable waste from the County or its licensed waste haulers delivered to the Operator's Facility under the terms of this Agreement, or failure to otherwise fulfill its material obligations under this Agreement.

9.4 Force Majeure

Neither the Operator nor the County shall be liable for the failure to perform their duties and obligations under the Agreement or for any resultant damages, loss or expense, if such failure was the result of an act of God, riot, insurrection, war, catastrophe, natural disaster, labor strike or any other cause which was beyond reasonable control of the Operator or the County and which the Operator or County was unable to avoid by exercise of reasonable diligence. Documentation of the event that caused the Operator to be unable to meet its obligation hereunder must be submitted to the County within ten (10) working days after the occurrence of the event.

9.5 Remedies

- (a) The County and the Operator agree, except as provided in Article 9.5 (b) and (c) below, in the event of a default by either party under this Agreement, upon the right to recover damages or to be reimbursed for incremental costs associated with licensed waste haulers redirecting loads of municipal waste to alternative facilities.
- (b) If, within a period of thirty (30) days after the County shall have given written notice to the Operator that a default has occurred and is continuing, and specifying the nature of the default, the Operator has neither remedied such default, nor undertaken and diligently pursued corrective action, then this Agreement shall terminate immediately upon written notice thereof by the County to the Operator.
- (c) If, within a period of thirty (30) days after the Operator shall have given written notice to the County that a default has occurred and is continuing, and specifying the nature of the default, the County has neither remedied such default, nor undertaken and diligently pursued corrective action, then this Agreement shall terminate immediately upon written notice thereof by the Operator to the County.

9.6 Waivers

A waiver by either the County or Operator of any default of any provisions of the Agreement shall not be taken or held to be a waiver of any succeeding default of such provisions or as a waiver of any provision itself. No payment or acceptance of compensation for any period subsequent to any default shall be deemed a waiver of any right or acceptance of defective performance. To be effective a waiver must be in writing and signed by the party granting such waiver.

Article 10. Term and Termination

10.1 Effective Date

This Agreement shall become effective on August 1, 2003. The Operator shall begin to accept waste deliveries from County sources under the terms and conditions of this Agreement on this date.

10.2 Term of Agreement

The term of this Agreement shall commence on the effective date, and shall continue in effect for five (5) years, including thereafter five (5) one year optional renewal terms, the aggregate term of this Agreement being ten (10) years. After the initial five (5) years, this Agreement will be automatically renewed annually unless the County provides, in writing, ninety (90) days written notice. The Agreement may be extended or modified by mutual consent of the County and the Operator.

10.3 Effect of Termination

Upon the termination of this Agreement, the obligations of the County and the Operator hereunder shall cease, provided that any obligation for the payment of money or otherwise arising from the conduct of the County or Operator pursuant to this Agreement prior to such termination shall not be affected by such termination and shall survive and remain in full force and effect.

Article 11. Miscellaneous

11.1 Assignment

- (a) This Agreement may not be assigned by either the County or the Operator or its rights sold by Operator except with the written consent of the County or Operator or as further provided in this Article. The County may, however, contract with a third party or parties for the collection, transportation, processing and disposal of waste, and such contracting will not be interpreted as an assignment of this Agreement. Further, any municipality within the political boundaries of the County and/or any licensed waste hauler may avail themselves of the rights of the County under this Agreement without violating the assignment provision, provided, however, that such municipalities and licensed waste haulers will be bound by the covenants of the County in this Agreement. The Operator shall not assign this Agreement except to a licensed and permitted successor to the Operator capable of performing all covenants of this Agreement and with ninety (90) days prior written notice to the County and the written consent of the County.
- (b) In the event of any assignment or delegation of duties under this Agreement, the delegate shall assume full responsibility and liability, and shall be responsible for compliance with and performance of all terms and conditions of this Agreement, including but not limited to provisions for sureties and assurances of availability of ten (10) year service. The assignment or delegation of any Agreement duties will not relieve the Operator or its surety of any liability and/or obligation to perform.

11.2 Notices

Except under emergency circumstances all notices, demands, requests and other communications under this Agreement shall be deemed sufficient and properly given if in writing and delivered in person or by recognized carrier service, or sent by certified or registered mail, postage prepaid, with return receipt requested, to the following addresses:

County: Beaver County Department of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066
ATTN: Charles J. Raabe, Director

Operator:

Either the County or Operator may, as specified above, designate any further or different addresses to which subsequent notices shall be sent.

11.3 Entire Agreement/Modifications

The provisions of this Agreement, together with the Agreements and exhibits incorporated by reference, shall constitute the entire Municipal Waste Disposal Capacity Agreement between the County and the Operator, superseding all prior disposal capacity Agreements and negotiations, if any, and, except as otherwise provided in this Agreement, shall only be modified by written agreement duly executed by both parties to this Agreement. The County and Operator agree that any existing municipal waste disposal contracts between them are hereby rendered null and void and superseded by this Agreement.

11.4 Severability

In the event that any provision of this Agreement shall, for any reason, be determined to be invalid, illegal, or unenforceable in any respect, the County and Operator shall negotiate in good faith and agree to such amendments, modifications or supplements of or to this Agreement or such other appropriate actions as shall, to the maximum extent practicable in light of such determination, implement and give effect to the intentions of the County and Operator as reflected herein. The other provisions of this Agreement shall, as so amended, modified, or supplemented, or otherwise affected by such action, remain in full force and effect.

11.5 Change of Ownership

In the event of any change of control or ownership of the Operator's Facility, the County shall maintain the right to hold the original Owner solely liable. The County may, however, at its option, determine that the new ownership can adequately and faithfully perform the duties and obligations of the Agreement for the remaining term of the Agreement, and elect to execute a novation, which will allow the new ownership to assume the rights and duties of the Agreement and release the former ownership of all obligations and liabilities. The new ownership would then be solely liable for the performance of the Agreement and any claims or liabilities under the Agreement.

11.6 Governing Law

This Agreement and any question concerning its validity, construction, or performance shall be governed by the domestic laws of the Commonwealth of Pennsylvania, irrespective of the place of execution or of the order in which the signatures of the County and Operator are affixed or of the place or places of performance. The Operator shall conduct the services provided for in this Agreement in compliance with all applicable federal and state laws and regulations.

11.7 Joint and Severable Liability

If the Operator is comprised of more than one individual, corporation or other entity, each of the entities comprising the Operator shall be jointly and severably liable.

11.8 Counterparts

This Agreement may be executed in more than one (1) counterpart, each of which shall be deemed to be an original but all of which taken together shall be deemed a single instrument.

11.9 No Co-Partnership or Agency

It is understood and agreed that nothing contained in this Agreement is intended or shall be construed to in any respect create or establish the relationship of co-partners between the County and the Operator, or as constituting the Operator the general representative or general agent of the County for any purpose whatsoever.

11.10 Section Headings/References

The section headings and captions contained in this Agreement are included for convenience only and shall not be considered a part of this Agreement or affect in any manner the construction or interpretation of this Agreement. Except as otherwise indicated, all references in this Agreement refer to sections of this Agreement.

11.11 Conventions

In this Agreement:

- (a) the singular includes the plural and the plural the singular;
- (b) words importing any gender include the other gender;
- (c) references to statutes are construed as including all statutory provisions consolidating, amending or replacing the statute referred to;
- (d) references to writing include printing, typing, lithography and other means of reproducing words in a visible form;
- (e) references to agreements and other contractual instruments shall be deemed to include all subsequent amendments thereto or changes therein entered into in accordance with their respective terms
- (f) references to persons include their permitted successors and assigns; and
- (g) the term including shall mean including without limitation.

11.12 Nondiscrimination

Neither the Operator nor any subcontractor nor any person(s) acting on their behalf shall discriminate against any person because of race, sex, age, creed, color, religion or national origin, ancestry, disability, sexual orientation, or union membership.

IN WITNESS WHEREOF, the County and Operator have caused this Waste Disposal Capacity Agreement to be executed as of the date and year first written.

BEAVER COUNTY

Attest: _____
 Chief Clerk

Date: _____

**BEAVER COUNTY
BOARD OF COMMISSIONERS**

By: _____
 Chairman

By: _____
 Commissioner

By: _____
 Commissioner

OPERATOR

Witness: _____

Date: _____

By: _____

Title: _____

APPROVED AS TO LEGAL FORM

County Solicitor

FEDERAL IDENTIFICATION NUMBER

APPENDIX D

**BEAVER COUNTY MUNICIPAL WASTE MANAGEMENT ORDINANCE,
RULES AND REGULATIONS,
AND
HAULER LICENSING MATERIALS**

ORDINANCE NO. 082092-SWM

BEAVER COUNTY SOLID WASTE MANAGEMENT ORDINANCE

WHEREAS, it is deemed by the Commissioners of Beaver County, Commonwealth of Pennsylvania, to be in the best interest of the health, safety and welfare of the citizens of Beaver County, that comprehensive planning of municipal waste management, collection transfer station-consolidation and disposal be a public function controlled, implemented and managed by the County and municipalities as provided herein; and

WHEREAS, the Beaver County Planning Commission has been designated by the Board of County Commissioners to be the official planning agency for the preparation of the Solid Waste Management Plan and such other studies and plans as may be needed from time to time in order to assist the municipalities of Beaver County to fulfill their obligations under the PA Solid Waste Management Act (Act 97), the Municipal Waste Planning, Recycling and Waste Reduction Act (Act 101) and other pertinent state and federal solid waste laws, such request and designation of planning responsibility continuing in effect, and;

WHEREAS, the Commonwealth of Pennsylvania, pursuant to Section 102(b)(10) of the Municipal Waste Planning, Recycling and Waste Reduction Act, Act of July 28, 1998, P.L. 528, No. 101 (hereinafter referred to as "Act 101"), has shifted the primary responsibility for developing and implementing municipal waste management plans from municipalities to counties; and

WHEREAS, the Beaver County Department of Waste Management has been designated to implement the Solid Waste Management Plan

WHEREAS, the County, pursuant to, and consistent with , the said Beaver County Solid Waste Management Plan, entered into solid waste disposal capacity agreements with municipal waste disposal facilities to reserve capacity for waste generated within Beaver County; and

WHEREAS, pursuant to Section 3093 (e) of Act101, the County is authorized to require that all municipal waste generated within its boundaries shall be processed, consolidated or disposed at a designated processing or disposal facility(ies) that is contained in the approved Beaver County Solid Waste Management Plan; and

WHEREAS, the County has certain powers and responsibilities with respect to solid waste planning and implementation of the Beaver County Solid Waste Management Plan, as authorized by Section 303 (d) of Act 101;

NOW, THEREFORE BE IT ORDAINED, by the Board of Commissioners of the County of Beaver, Pennsylvania, as follows:

SECTION 1. DEFINITIONS: The following terms shall have the following meanings in this Ordinance:

"Acceptable Waste" means that portion of Municipal Waste which can be processed by the designed facility, consistent with the plan and any rules, regulations, resolutions or standards adopted by the County pursuant to this Ordinance and the Delegation Agreement, that has characteristics such as that collected, consolidated and disposed of as part of normal collection of Municipal Waste in the County.

"Commercial Hauler" a person, and the employees, officers and agents of such person, licensed by the County and therefore authorized to collect transport, and consolidate more than one (1) ton of County generated municipal waste per week for compensation or consideration.

"Consolidate" means to process municipal or residual solid waste at a transfer station in a manner that

facilitates the transportation or transfer of municipal or residual waste to a processing or disposal facility.

“County” means the County of Beaver, commonwealth of Pennsylvania.

“County Municipal Solid Waste Disposal Capacity Agreement” is the specific agreement between the County and all designated solid waste disposal facilities that are permitted to receive Beaver County generated municipal waste as authorized by Act 101.

“Designated Facility” means a disposal/processing facility which has been identified in the plan and contracted with by the County for disposal of municipal waste.

“Existing Contract” means any agreement or contract (1) fully executed and delivered and in effect, and (2) in reliance upon which, there has been a material change in position by any Person who is a party thereto, or beneficiary thereof, prior to the effective date of this Ordinance for the collection, disposal or transportation of regulated Municipal Waste generated within the County.

“Municipal Waste” means any garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material, resulting from operation of residential, municipal, commercial or institutional establishments and from community activities and any sludge not meeting the definition of residual or hazardous waste in Act 97 from a municipal, commercial or institutional waste supply treatment plant, wastewater treatment plant or air pollution control facility. The term does not include source-separated recyclable materials.

“Municipality” means a county, city, borough, incorporated town, township or home municipality.

“Person” means any individual, partnership, corporation, association, institution, cooperative enterprise, Municipality, municipal authority, Federal Government or agency, Commonwealth institution or agency (including, but not limited to, the Department of General Services and the State Public School Building Authority), or any other legal entity whatsoever which is recognized by law as the subject of rights and duties. In any provisions of this Ordinance prescribing a fine, imprisonment or penalty, or any combination of the foregoing, the term “Person” shall include the officers and directors of any corporation or other legal entity having officers and directors.

“Plan” means the Beaver County Municipal Solid Waste Management Plan approved pursuant to Act 97 and pursuant to Section 501(b) of Act 101, and any subsequent revisions, amendments or updates thereto which are approved pursuant to the provisions of Act 101.

“Recyclable Material” means any material designated by the County or municipality to be separated from the waste stream for processing and potential re-use.

“Regulated Waste” means municipal waste generated, stored, and/or transported, within the County, and regulated by the County pursuant to the County municipal solid waste management plan.

“System” means the Municipal Waste management and disposal system for the County, including, without limitation, transfer stations, landfills, sludge disposal facilities, wastewater treatment facilities, recycling facilities, or composting facilities, whether publicly or privately owned or operated, which are, or will be, acquired, constructed and operated within the County and which are designated by the County pursuant to this Ordinance and the Solid Waste Disposal Capacity Agreements, and consistent with the Plan, as the specified processing, transfer or disposal site for any Municipal Waste, or any constituent thereof, which is generated or disposed of within the County.

“Transfer Station” Any facility which receives and consolidates or temporarily stores municipal or residual waste at a location other than the generation site, and which facilitates the transportation or transfer of municipal or residual waste to a processing or disposal facility. The term includes a facility that uses a method or technology to convert part or all of the waste materials for offsite reuse. The term does not include a collecting or

processing center that is only for source-separated recyclable materials, including clear glass, colored glass, aluminum, steel and bi-metallic cans, high-grade office paper, newsprint, corrugated paper and plastics.

“Unacceptable Waste” means that portion of Municipal Waste that is not Acceptable Waste and which is predominantly noncombustible and which cannot be processed by any solid waste disposal facility having such characteristics as specified in the Plan or in any rules, regulations, resolutions or standards adopted by the County, pursuant to this Ordinance and the County Solid Waste Disposal Agreements.

SECTION 2. Operation by Licensed Collectors; Compliance; Fees:

(A) Licensing: Any Person engaged in the business of collecting, consolidating or hauling of more than one (1) ton per week of Municipal Waste generated in this County shall, prior to engaging in such business or activity, obtain a license for the specific purpose of conducting such business, which license shall be issued and administered by the County, as required by the plan. No Person who is required to be licensed by the County as specified in the plan who is not duly licensed by the County to deliver Municipal Waste within and to the designated facility for processing, consolidating or disposal may collect, transport, consolidate or dispose of Municipal Waste generated within the County.

(B) Compliance with Rules, Regulations and Ordinances: In carrying out activities relating to Municipal Waste collection, transportation, consolidation or disposal within this County, all Municipal Waste collectors, consolidators or transporters shall comply with all ordinances, resolutions, rules, regulations and standards pertaining to the collection, transportation, consolidation and disposal of Municipal Waste as may hereinafter be enacted by this County or any Beaver County municipality and all resolutions, rules regulations and standards adopted by the County pursuant to this Ordinance and the County Municipal Solid Waste Disposal Capacity Agreements.

(C) The County shall establish, and shall collect, a license fee to be paid by any Person applying for such license in accordance with the requirements of this Section.

(D) License denials, revocations, or suspensions may be appealed to an Ad Hoc Appeals Committee consisting of a person designated by the participating municipality, a person designated by the Beaver County Commissioners and an independent hauler suggested by the haulers licensed to collect in that municipality. Any denial, revocation or suspension decision or action shall be stayed pending resolution of any appeal except in case of Waste Management or its designee shall be responsible for conveying the Ad Hoc Appeals Committee promptly and presenting the facts of the case to the Committee.

SECTION 3. Disposal at Designated Solid Waste Processing or Disposal Facilities.

(A) General: All Municipal Waste collectors, transporters, and consolidators shall deliver and dispose of all Municipal Waste, or any constituents thereof, generated within the County only at a transfer station or processing or disposal facility designated by this Ordinance, or designated by the County pursuant to this Ordinance, and the County and Municipal Solid Waste Disposal Capacity Agreements, as such facility is reflected in the Plan. All Municipal Waste collectors, transporters, and consolidators shall deliver and dispose of all municipal waste, or any constituents thereof, generated within individual municipalities, only at processing, transfer or disposal facilities specifically designated by said Plan.

(B) Processing of Acceptable Waste: Upon the effective date of this Ordinance, all municipal solid waste collectors, transporters, and consolidators shall deliver and dispose of all Acceptable Waste collected within the County to the solid waste disposal facility(ies) designated by the municipality in accordance with the Plan. No Acceptable Waste generated and collected within the County shall be delivered to any other disposal, processing, and/or transfer facility in violation of this Section, whether or not any such disposal, processing, or transfer facility may be located within or without the County.

(C) Disposal of Unacceptable Waste: All collectors, transporters, and consolidators operating in the County shall deliver and dispose of all Unacceptable Waste generated and collected within the County to a facility permitted to receive such waste under state or federal regulations.

(D) Recycling: This Ordinance shall not be construed to require that Municipal Waste or recyclable materials that would otherwise be recycled pursuant to the requirements of Act 101 be delivered to any other Municipal Waste processing, transfer or disposal facility. Such Municipal Waste or recyclable materials may be

recycled at any recycling facility.

(E) **Reporting:** All municipal waste collectors, transporters and consolidators shall report to the disposal facility, specific tonnage for each municipality, within which a component of the load has been collected. In turn each designated disposal facility shall submit quarterly reports transmitting this data to the County, in accordance with the requirements of the Solid Waste Disposal Capacity Agreements.

(F) **Commercial Disposal Facilities:** This Ordinance shall not be construed to require that Municipal Waste generated by any commercial operation in the County which is exclusively disposed of by such commercial operation at an on-site captive commercial disposal facility, duly permitted to dispose of such Municipal Waste, be delivered to any other processing, consolidating or disposal facility.

SECTION 4. Implementation and Regulation.

(A) Rules and Regulations:

(1) In order to implement the Plan and this Ordinance, the County shall have the power in its discretion to adopt, amend and repeal rules and regulations necessary to further the purpose of the Plan.

(a) **County Rules:** The collection, handling, transportation, consolidation and disposal of Municipal Waste generated within the County shall be subject to such further rules, regulations, resolutions and standards as may from time to time be adopted by the County pursuant to this Ordinance, the County Municipal Solid Waste Disposal Capacity Agreements and the County Municipal Solid Waste Management Plan in furtherance of implementation and enforcement thereof.

(b) **Consistency of Rules, Regulations, Resolutions and Standards with Ordinance and Other Laws:** No rules, regulations, resolutions or standards adopted by the County pursuant to applicable provisions of Commonwealth law and as authorized by the County Municipal solid Waste Management Plan and this Ordinance, shall be contrary to or less stringent than the provisions of this Ordinance, the Plan, Act 97, Act 101 or any regulations adopted thereunder.

(c) **Authority of County :** The County and its agents and employees shall:

(1) Have access to, and require the production of, books and papers, documents and physical evidence pertinent to any matter under investigation.

(2) Require any person engaged in the municipal waste management or municipal waste planning to establish and maintain such records and make such reports and furnish such information as the County may prescribe.

(3) Have the authority to enter any building, property, premises or place where solid waste is generated, stored, processed, treated, consolidated or disposed of for the purposes of making an investigation or inspection necessary to ascertain the compliance or noncompliance by any person with the provisions of this ordinance and the regulations promulgated here under. In connection with the inspection or investigation, samples may be taken of a solid, semisolid, liquid or contained gaseous materials for analysis. If analysis is made of the samples, a copy of the results of the analysis shall be furnished within five business days after receiving the analysis to the person having apparent authority over the building, property, premises or place.

(d) **Warrants :** An agent or employee of the County may apply for a search warrant to any Commonwealth of County official authorized to issue a search warrant for the purpose of inspecting or examining any property, building, premises, place, book, record or other physical evidence; of conducting tests; or of taking samples of any solid waste. The warrant shall be issued upon probable cause. It shall be sufficient probable cause to show any of the following:

(1) The inspection, examination, test or sampling is pursuant to a general administrative plan to determine compliance with this act.

(2) The agent or employee has reason to believe that a violation of this act has occurred or may occur.

(3) The agent or employee has been refused access to the property, building, premises, place, book, record or physical evidence or has been prevented from conducting tests or taking samples.

(e) **Withholding of State Funds:** In addition to any other penalties provided in this act, the County may notify the State Treasurer to withhold payment of all or any portion of funds payable to the municipality by the County if the municipality has engaged in any unlawful conduct. Upon notification, the State Treasurer shall hold in escrow such moneys due to such municipality until such time as the County notifies the State Treasurer that the municipality has complied with such requirement or schedule.

SECTION 5. Existing Contracts; Facilities.

(A) **Non-interference with Existing Contracts:** Nothing contained in this Ordinance shall be construed to

interfere with or in any way modify the provisions of any Existing Contract.

(B) New Contracts and Renewals of Existing Contracts: No renewal of any Existing Contract upon the expiration of the original term thereof and no new contract for municipal Waste collection, transportation, processing, consolidation or disposal shall be entered into after the effective date of this Ordinance, unless such renewal or such contract shall conform to the requirements of the Plan, this Ordinance, and any rules, regulations, resolutions or standards promulgated by the County pursuant to this Ordinance and the County Municipal Solid Waste Disposal Capacity Agreements and Municipal Solid Waste Disposal Contracts, and shall further conform to any of the terms and conditions of licenses issued by the County pursuant to this Ordinance, as specified or required by the Plan.

(C) No Person shall use or permit to be used any property owned or occupied by that Person within the County as a Municipal Waste processing, transfer or disposal facility, either for Municipal Waste generated within the County or elsewhere, unless such use is authorized pursuant to the provisions of Act 101, and is consistent with, and is reflected in, the Plan.

SECTION 6. Collection of Fines, Fees, Etc.

(A) Lien : All fines, fees, interest and penalties and any other assessments shall be collectible in any manner provided by law for the collection of debts. If the person liable to pay any such amount neglects or refuses to pay the same after demand, the amount, together with interest and any costs that may accrue, shall be a judgment in favor of the County or the host municipality, as the case may be, upon the property of such person, but only after same has been entered and docketed of record by the prothonotary of the county where such property is situated. The County or host municipality, as the case may be, may at any time transmit to the prothonotaries of the respective counties certified copies of all such judgements, and it shall be the duty of each prothonotary to enter and docket the same of record in his office, and to index the same as judgements are indexed, without requiring the payment of costs as a condition precedent to the entry thereof.

(B) Deposit of Fines: All fines collected pursuant to this ordinance shall be paid into the County Solid Waste Plan Implementation Account.

SECTION 7. Unlawful Activities; Public Nuisance: It shall be unlawful for any Person to:

(A) violate, cause or assist in the violation of nay provision of this Ordinance, or violate, cause or assist in the violation of any rule, regulation, resolution or standard promulgated by the pursuant to this Ordinance and the County Municipal Solid Waste Disposal Capacity Agreements, or any rule, regulation, resolution or standard promulgated by the County consistent with this Ordinance and the provisions of Act 1012 and the Plan, and approved by DER.

(B) process, treat, consolidate or dispose of, or cause to be processed, treated, consolidated or disposed of, Municipal Waste, or any constituent thereof, which is collected within the County and which is subject to the provisions of this Ordinance, at any facility other than a processing , transfer or disposal facility which is consistent with, and is reflected in, the Plan as the designated processing, consolidating, treatment or disposal facility for such Municipal Waste, or constituent thereof;

(C) collect Municipal Waste, or any constituent thereof, generated within the County without a valid license for collection issued by the County as specified or required by the Plan; or

(D) hinder, obstruct, prevent or interfere with, the County or any of their personnel, agents or employees in the performance of any duty under this Ordinance, or in the performance of any duty of the County under the Solid Waste Disposal Agreements or in the performance of any duty in furtherance of the implementation and enforcement by the County of this Ordinance or of the Plan.

(E) collect/remove(scavenge) "Recyclable Material" from any County owned containers or property locations, other than by persons designated by the County Department of Waste Management.

(F) act in a manner that is contrary to the approved county plan or otherwise fail to act in a manner that is consistent with the approved county plan.

(G) fail to make a timely payment of the plan implementation fee.

(H) hinder, obstruct, prevent or interfere with the county or its personnel in the performance of any duty required by this ordinance or the Plan.

(I) hinder, obstruct, prevent or interfere with Counties or municipalities or their personnel in the performance of any duty or in conducting any inspection authorized by this ordinance.

(J) fail to make any payment to the site-specific postclosure fund or the trust fund for landfills in accordance with the provisions of this act.

SECTION 8. Penalties:

(A) Any person who engages in unlawful conduct as defined in this Ordinance or any provisions of the County Rules and Regulations shall, upon conviction thereof, in a summary proceeding before a district magistrate, be sentenced to pay a fine of not more than One Thousand dollars (\$1000) and not less than Twenty-five Dollars (\$25), to be paid to the use of the County, with costs of prosecution, or to be imprisoned in the County jail for not more than ten (10) days, or both. Each violation and each day that such a violation exists, shall constitute a separate unlawful act.

(B) Any person who engages in unlawful conduct as defined in this Ordinance shall, in addition to being subject to penalties assessed by Beaver County, be subject to the penalties as outlined in Chapter 17 of Act 101, The Municipal Waste Planning, Recycling, and Waste Reduction Act.

SECTION 9. Revocation of License:

Upon finding that any Person has engaged in unlawful conduct as defined in Section 7 of this Ordinance, the county may, (a) revoke any license issued by the County to that Person and (b) deny any subsequent application by that Person or any Person who or which was, or who or which is, affiliated with, related to, or controlled by, any Person who was, at the time of commitment of such unlawful conduct, or any time thereafter, an officer, director, shareholder, partner, or joint venturer of, under contract with, employed by, or related or affiliated in any manner with such Person, for issuance of the license required by Section 2 hereof.

SECTION 10. Injunctions; Concurrent Remedies:

(A) **Restraining Violations:** In addition to any other remedy provided in this Ordinance, the County may institute a suit in equity where unlawful conduct or a public nuisance exists as defined in this Ordinance for an injunction to restrain a violation of this Ordinance or of any rules, regulations, resolutions or standards promulgated or issued by the County pursuant to this Ordinance, and the County Municipal Solid Waste Management Plan.

(B) **Concurrent Remedies:** the penalties and remedies prescribed by this Ordinance shall be deemed concurrent. The existence or exercise of any remedy shall not prevent the County from exercising any other remedy provided by this Ordinance or otherwise provided by this Ordinance or otherwise provided at law or equity.

SECTION 11. Construction:

The terms and provisions of this Ordinance are to be liberally construed, so as best to achieve and to effectuate the goals and purpose hereof. This Ordinance shall be construed in pari materia with Act 97 and Act 101.

SECTION 12. Municipal Ordinances:

Pursuant to Section 304(d) of Act 101, the provisions of this Ordinance shall supersede the provisions of any municipal ordinance to the extent that the provisions of any such municipal ordinance are inconsistent with, or conflict with, the provisions of this ordinance, except as otherwise provided by Section 502(o) of Act 101.

SECTION 13. Severability:

If any sentence, clause, section or part of this Ordinance is for any reason found to be unconstitutional, illegal or invalid, such unconstitutionality, illegality or invalidity shall not affect or impair any remaining provisions, sentences, clauses, sections or parts of this Ordinance. It is hereby declared as the intent of the Beaver County Board of Commissioners that this Ordinance would have been adopted had such unconstitutional, illegal or invalid sentence, clause, section or part thereof had not been included herein.

SECTION 14. Effective Date: This ordinance shall take effect on _____, 200__.

ENACTED AND ORDAINED an Ordinance this ____ day of _____, 200__.

ATTEST:

County Solicitor

COUNTY OF BEAVER
BOARD OF COUNTY COMMISSIONERS:
BY:

Dan Donatella, Chairman

SEAL:

Joe Spanik, Commissioner

Charles A. Camp, Commissioner

BEAVER COUNTY
RULES AND REGULATIONS
PERTAINING TO
SOLID WASTE HAULER /TRANSFER STATION LICENSING

BACKGROUND

Purpose - The purpose of these Rules and Regulations shall be to protect the municipalities, the MSW haulers, and the business and industrial solid waste generators within Beaver County by requiring that all MSW haulers and transfer stations in the County obtain a county license. Haulers will be identified using a license sticker. It is also the intent to establish through the license sticker a way to recognize legitimate professional commercial solid waste haulers as a protection to the citizens and municipalities to assure approved ultimate waste disposal. Transfer stations will receive a license from the County, which will be mounted within the premises in a location with public access.

Scope - This license requirement shall cover all commercial haulers that collect, transport and/or consolidate waste generated in Beaver County. These Rules and Regulations do not pertain to the private citizens hauling their own waste materials directly to the facilities. Commercial Hauler means a person, company, partnership or corporation which engages in the business of collecting, transporting and consolidating solid waste for compensation or consideration. These Rules and Regulations do not authorize the County to assume responsibility for collection operations or control of routes. Licensing shall not be unreasonably withheld from any qualifying hauler or consolidator.

Authority - These Rules and Regulations are established by authority of the Pennsylvania Solid Waste Management Act (Act 97), Act 101, of 1988 and its amendments thereto including the rules and regulations promulgated by the PA Department of Environmental Protection. These Rules and Regulations and revisions hereto may be adopted only by the Board of County Commissioners.

Applicability - The license requirement does apply to all haulers and consolidators of waste materials which are acceptable at the solid waste disposal facilities outlined in the Beaver County SWM Plan. Listed below are the rules pertaining to municipal and demolition hauling.

MUNICIPAL SOLID WASTE

1. If you haul, or consolidate, 1 ton or more of municipal solid waste per week (average) you will be required to purchase a county MSW Hauler/ Transfer Station license.

- (a) All requirements for solid waste collection, transportation and consolidation as outlined in the Municipal Solid Waste Rules and Regulations Act 90, Act 97, Act 101, and Act 101 are required specifications for vehicles to obtain and maintain hauler/transfer station licenses.
- (b) The per vehicle/facility fee shall be set by the MSW Advisory Committee and approved by the Board of County Commissioners.

PROCEDURE

License Application - License application forms will be available upon request from Beaver County. Forms may be secured by writing to the Beaver County Department of Waste Management, 469 Constitution Blvd., New Brighton, PA 15066 or such other place as the County may from time to time designate in writing. Application forms must be completed and returned prior to scheduling the vehicle for inspection. Arrangement for inspections should be made with the Department of Waste Management

Fee - The fee shall be set by the MSW Advisory Committee and approved by the Board of County Commissioners.

Inspection of Vehicle - The Department of Waste Management of Beaver County shall inspect the vehicle for compliance with the rules and regulations of the Department of Environmental Protection promulgated under the PA Solid Waste Management Act, as defined in Section 75.29 (i): transportation equipment, and the Municipal Solid Waste Rules and Regulations of 1988 (chapter 285), and other pertinent legislation. This inspection is not intended to address the Motor Vehicle Code requirements.

Insurance - Each hauler and transfer station must carry sufficient general liability insurance to fulfill the requirements of the PA Department of Environmental Protection Regulation and the PA Motor Vehicle Code.

Effective Date - These Rules and Regulations shall be effective with the addition of this Ordinance.

Renewal - The license sticker shall be valid for a period of 12 months from January 1 through December 31. Applications for renewal are due no later than September 30 for the succeeding year.

Notification to Municipalities - Beaver County shall notify each municipality of all haulers licensed to collect in said municipality. Municipalities shall notify Beaver County of all haulers collecting and transfer stations consolidating waste in the municipality who do not appear on the list of licensed haulers and transfer stations. Beaver County shall notify all participating municipalities of proposed changes in these Rules and Regulations 30 days prior to action by the Board of County Commissioners.

ENFORCEMENT

Complaint process - Any hauler, transfer station municipal official, or citizen who observes a violation of the hauler/transfer station license requirements or a suspected violation may contact the appropriate municipal officials where the suspected violation was observed. Such municipal officials are responsible for the initial investigation and resolution of the problem. Beaver County is responsible for cooperation and provision of information as to hauler/transfer station compliance with these requirements. Municipalities may institute legal proceedings for any violations of their municipal ordinance or these Rules and Regulations with the District Magistrate.

Denial of Disposal Privilege - As per the agreement between the County and municipalities, municipal officials may request Beaver County to revoke or suspend the hauler's/transfer station's license for violations of their Municipal Collection Contracts. Beaver County or its designees may deny disposal privilege to any commercial hauler/transfer station not in compliance with these Rules and Regulations. Such denial, revocation or suspension shall extend only until the verification of conformity with these Rules and Regulations by the Beaver County Department of Waste Management is complete

Notification of License Revocation/Suspension - Beaver County shall be responsible for notification of license revocation or suspension to the responsible party in the company holding

said license. Notification shall also be provided to each appropriate municipality in which that hauler is collecting or from which that transfer station is consolidating waste.

Display of License Sticker - The license sticker shall be displayed on the left front corner of the cargo body of each solid waste packer- vehicle and/or the left side of the roll-off truck cab, in a position which is easily visible. Transfer trailer stickers shall be displayed on the left (driver) side of the tractor.

All transfer stations shall mount the license within the premises in a location with public access. Shall the license or sticker become mutilated, it is the responsibility of the license holder to apply for a replacement sticker at a minimal fee.

Appeals Process - License denials, revocations, or suspensions may be appealed to an Ad Hoc Appeals Committee consisting of a person designated by the participating municipality, a person designated by the Beaver County Commissioners and an independent hauler or transfer station suggested by the haulers licensed to collect in and transfer stations licensed to consolidate from that municipality. Any denial, revocation or suspension decision or action shall be stayed pending resolution of any appeal except in case of imminent danger or health hazards as determined by the County. The Director, Department of Waste Management- of Beaver County or his designee shall be responsible for convening the Ad Hoc Appeals Committee promptly and presenting the facts of the case to the Committee.

**COUNTY OF BEAVER
DEPARTMENT OF WASTE MANAGEMENT
APPLICATION FOR MUNICIPAL WASTE HAULING/CONSOLIDATING LICENSE**

I hereby apply for a Municipal Solid Waste Hauling/Consolidating License for the period January 1 through December 31, 20____, as mandated by Section 2 of Beaver County Ordinance 082092-SWM and promulgated rules and regulations.

Application Requirements:

NOTE: This application will not be processed unless all requested information is provided.

Completed applications shall be submitted by September 30 for the following year.
Allow 30 days for processing.

Each application must be accompanied by :

- o A check payable to the "County of Beaver" in the amount of \$25.00 for each vehicle to be licensed.
- o Certification of insurance naming "Beaver County - Department of Waste Management" as a certificate holder
- o Vehicle information as requested in Attachment A.

1. Company/Trade Name(s):
2. Business office address, telephone, and Fax number:
1
2
3
City State ZIP phone fax
3. Contact Person:
4. Type of Business (Check):
 Sole Proprietorship Partnership Corporation
5. Date business was established:
6. Number of years in the waste hauling/consolidating business
7. Federal Taxpayer Identification
8. Indicate General Area Served by marking attached map. (Attachment B.)
9. Please provide the following information pertaining to the municipal jurisdiction for all valid contracts your company has with municipalities or other companies generating and/or collecting municipal waste in Beaver County.

Municipality	Contract/Agreement	Expiration Date	Annual Tonnage

10. Indicate days of week collections are made (circle): MON TUE WED THU FRI SAT SUN
11. Daily average weight of RESIDENTIAL Municipal Waste collected in or consolidated from Beaver County: _____ TONS
12. Daily average weight of COMMERCIAL/INSTITUTIONAL Municipal Waste collected in or consolidated from Beaver County: _____ TONS

I hereby certify that the information provided herein and attached hereto is true and correct and that I have read and am familiar with the requirements of the County of Beaver governing the collection, consolidation and disposal of municipal waste.

 Signature of Applicant Title Date

STATE OF _____
 COUNTY OF _____

Before me appeared _____, who, under oath, certified that the information provided in this application is true and correct.

 Date Notary Public



PLEASE RETURN TO: Beaver County
 Department of Waste Management
 469 Constitution
 New Brighton, PA 15066

DUE BY: SEPTEMBER 30

FOR COUNTY USE ONLY: Date Application Received: _____ Reviewed by: _____
 Process Hold Date: _____
 Reason: _____

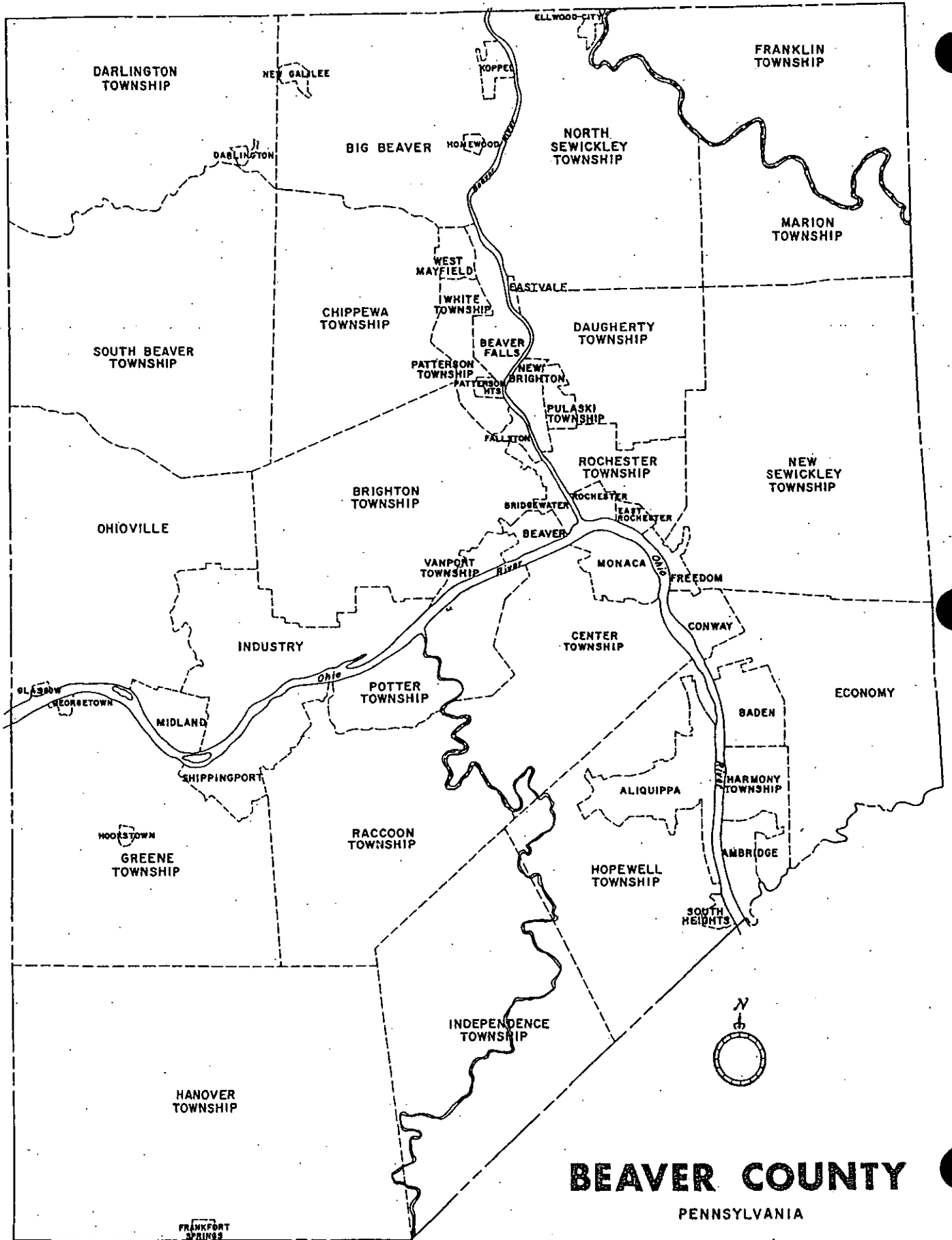
Approved by: _____ Date: _____
 Fee Enclosed: () Yes () No Amount

Collection Vehicles

The following collection vehicle information is submitted as an integral part of the application procedure for obtaining a Beaver County Municipal Waste Hauling License.

Hauler ID:
Applicant:
Name of Firm:
Date:

Truck #	Year	Make	License Plate #	Type	Unit of Measure	Capacity	Comment



APPENDIX E

**RESOLUTION ADOPTING
BEAVER COUNTY MUNICIPAL WASTE MANAGEMENT PLAN**

RESOLUTION NO. 090904-21

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE COUNTY OF BEAVER IN THE COMMONWEALTH OF PENNSYLVANIA, ACCEPTING AND APPROVING THE BEAVER COUNTY MUNICIPAL SOLID WASTE MANAGEMENT PLAN FOR 2004-2014, THROUGH THE BEAVER COUNTY DEPARTMENT OF WASTE MANAGEMENT, PURSUANT TO THE REQUIREMENTS UNDER ACT 101, THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT OF 1988;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the County of Beaver, a fourth class county under the laws of the Commonwealth of Pennsylvania, AND IT IS HEREBY RESOLVED:

1. That, pursuant the recommendation of Charles J. Raabe, Director of the Department of Waste Management, the Resolution accepting and approving the Beaver County Municipal Solid Waste Management Plan for 2004-2014, through the Beaver County Department of Waste Management, pursuant to the requirements under Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, a copy of which is attached hereto and made a part thereof, is hereby approved.

2. That the Board of Commissioners, for and on behalf of the County of Beaver, is hereby authorized to execute one duplicate counterparts of the instant Resolution and the Chief Clerk is hereby directed to attest the due execution thereof and to affix the Seal of the County of Beaver thereto.

3. That, following proper execution, attestation and ensembling of said duplicate counterparts of said Resolution, the Chief Clerk is hereby directed to cause delivery as follows: The original to the Controller of the County of Beaver.

Adopted this 9th day of September, 2004.

(SEAL)

ATTEST:

Jeanne J. Clarke
Chief Clerk

Approved As To Legal Form:

Al M. [Signature]
County Solicitor's Office

BOARD OF COMMISSIONERS
COUNTY OF BEAVER:

Dan Donatella
Dan Donatella, Chairman

Joe Spanik
Joe Spanik

Charles A. Camp
Charles A. Camp


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

Plan Approval
Municipal Waste Management Plan Revision dated 2004
for Beaver County

Date issued: February 24, 2005

Under the provisions of the Municipal Waste Planning, Recycling and Waste Reduction Act, Act of July 28, 1988, P.L. 556, 53 P.S. §§ 4000.101 - 4000.1904 (the Act), the Beaver County Municipal Waste Management Plan Revision of 2004 is hereby approved. Beaver County is authorized to implement the approved plan revision and execute ordinances, contracts or other requirements necessary to implement the plan revision.

This plan approval is subject to modification, amendment and supplement by the Department of Environmental Protection (DEP). This approval is further subject to rescission by DEP for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this plan approval and the provisions set forth in the approved plan revision (which is made a part hereof), or for causing any condition inimical to the public health, safety or welfare.



Regional Solid Waste Manager
FOR THE DEPARTMENT OF
ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

Municipal Waste Management Plan Approval

County: Beaver

Date Issued: February 24, 2005

Plan Approval Conditions

1. The County shall implement its plan, as revised by the plan revision received by DEP on February 7, 2005, with additional information received by written correspondence dated January 30, 2005. Executed implementing documents shall be submitted to DEP within one year of this plan approval in accordance with Section 513 of the Act.
2. The County may not act in a manner contrary to the approved plan revision or otherwise fail to act in a manner consistent with the approved plan revision.
3. This plan approval is conditioned upon the requirement to submit an adopted revised plan at least three years prior to the time all remaining available permitted capacity for the County will be exhausted or at least three years prior to the expiration of the term of the County's approved plan, or when otherwise required by DEP. Each year the County will examine the remaining capacity available to the County.
4. The County will ensure adequate disposal capacity is available to them for the entire period of the plan.

APPENDIX F

SOLID WASTE ADVISORY COMMITTEE MEMBERSHIP, MINUTES

ADVISORY COMMITTEE

NAME / ADDRESS	PHONE	FAX
Mr. Joseph J. Brunner, Joseph J. Brunner, Inc., 211 Brunner Rd., Zelienople, PA 16063	724-775-6665	724-775-6670
Mr. Francis Chiappetta, 411-4th Ave., Patterson Heights, Beaver Falls, PA 15010	724-846-5441	
Mr. J. Lee Miller, County Agent, 1000 3 rd Street, Beaver, PA 15009	724-774-3003	
Mr. Bryan K. Dehart, Mgr., Brighton Twp., 1300 Brighton Road, Beaver, PA 15009	724-774-4803	
Mr. Stephen L. Johnson, Mgr., Chippewa Twp., 2568 Darlington Road., Beaver Falls, PA 15010	724-843-8177	
Mr. E. Reid Powell, P.O. Box 165, Beaver Falls, PA 15005	724-869-4779	
COG of Beaver and Butler County, Hopewell Municipal Building, 1700 Clark Blvd., Aliquippa, PA 15001	724-378-9087	
Mr. Frank Mancini, Beaver County Planning Commission, 810 3 rd Street, Beaver, PA 15009	724-728-5700	724-775-3944
Mr. John Scherfel, Conservation District, 1000 3 rd St., Beaver, PA 15009	724-774-7090	724-774-9421
Ms. Pat Gunther, 2522 Mayfield Avenue, Ambridge, PA 15003	724-266-7519	
Mr. Ben Woods, Dev. Mgr., Waste Management of Washington, 625 Cherrington Pkway, Moon Twp., PA 15108	412-893-4900	412-893-4922
Mr. Theodore Dunchack, General Mgr., BFI, Ohio, 100 South Stateline Road, Lowelville, OH 44436	330-536-8013	
Mr. Gerald L. Peckich, VP, Jerart Inc., 3701 Duss Avenue, Baden, PA 15005	724-869-8844	724-788-1604
Mr. Joe Uriah, Environmental Engineer, ZCA, 300 Frankfort Road, Monaca, PA 15061	724-774-1020	724-773-2226 Ext. 546

BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on April 19, 2000 at 7:00 PM at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Attending: Bryan Dehart (Brighton Twp.), Joe Brunner Jr., Joe Brunner Sr., Janis Brunner (Brunner Inc.), Jerry Peckich (Jerart Inc.), Julie Muhlberger (Patterson Hgts.), John McGoran (BFI Waste Services), William Lawrence (Beaver Co. Planning Commissioner), John Novalesi (Metalife Resources), Lisa Chobot and Rich Simonetti (Waste Mgmt. of Pgh.), Sandy Strauss (R.W. Beck), Skip Raabe & Jan Cable (Beaver Co. Waste Mgmt.)

Overview:

Sandy Strauss: Municipal Waste Planning History/Pennsylvania Experience

Plans written ten years ago were required by the state to have flow control of some form in their plan. Flow control was challenged at both the federal and state level. In the Carbone case in New York the Supreme Court ruled that flow control cannot interfere with commerce with other states. Lehigh and Mercer counties were found to have problems with their plans because of the way they were directing their flow of waste. With all the problems that were created by this requirement the state had, the DEP changed their position on flow control in 1997. Most of the counties in Pennsylvania have elected to keep flow control of some form. The Beaver County Plan, which was developed ten years ago, chose to include multiple facilities to be in the plan and then the municipalities could choose for their waste to go to any of those facilities without directing specifically where all that waste would go. This hasn't been challenged to anyone's knowledge, therefore this looks like how we will proceed. The state has backed off of their initial requirement to do flow control. Most counties have chosen to keep it in some form that was described.

Scope of Work: The focus of the plan revision is to update the description of waste to incorporate the statistical information we now have from the last ten years. We are required to develop projections for the next ten years for waste and recycling generation. We will then look for ten year agreements for disposal of that waste. The state wants each county, in their update, to describe how they intend to get to the new 35% recycling rate.

FQR: To find facilities for the plan, a qualification process is proposed for Beaver County, the process is a Facility Qualification Request. This will provide a fair, open and competitive process for qualifying facilities to be included in the plan. The facility must be accepting waste from Beaver Co. now or has some agreement to accept waste from Beaver Co. The FQR will be sent to all facilities currently in the plan and will be in the PA Bulletin and Waste Age to advertise for capacity.

After the new Plan is in effect and a hauler or municipality deems it necessary to have a particular landfill included in the plan, they may fill out a petition form and send it to the county. The facility can then fill out an FQR and send it to the county to qualify. If they meet the requirements they can be added to the plan.

Skip Raabe: Municipal Waste Planning History/Beaver County Experience

The first three chapters in the present plan were developed by using estimated figures for waste, which was all we had to work with at the time. These chapters will remain, but will be revised using real numbers showing increases or decreases due to recycling and where the waste has gone to date. Chapter 4 of the plan deals with recycling. We never mandated communities to recycle that were not mandated by the state. Recommendations were made to these municipalities about the benefits of recycling. Options for other programs such as the ONP program was developed and helps stabilize the newspaper market. A dropoff center was opened for recyclables in Brady's Run Park. A yard waste site was constructed in Brighton Twp. and is working well. We would like to find ways to build up the volume and keep the program running. Our intent is not to compete with the private sector in any of our programs. Chapter 5 dealt with landfill facilities. There were seven facilities addressed in the old plan. Facilities will be added to the new plan to avoid legal action and help competition. Chapter 6 addresses location of landfills. Chapter 7 recommends the county set up a department to manage and control the waste program.

Advisory Committee Responsibilities: It will be the committee's charter to make the final recommendations to the commissioners as to how we feel things should be developed in the Plan. The committee will be informed as R.W. Beck (consultant) reviews sections of the plan and does revisions. You will see and have an opportunity to discuss all revisions, prior to formulating recommendations.

The county's responsibility is still chartered to do the same thing we did ten years ago; guarantee waste capacity for municipal waste for all the municipalities in this county. The county intends to designate landfills that are interested in accepting municipal waste from our county. We will eliminate the municipal agreements. The municipalities will be kept abreast as the changes are made and they can respond to these changes.

Administrative Fee: We now collect .50¢ a ton from the landfills accepting Beaver County municipal waste, with in-state landfills also paying a \$2.00 fee to the state. Existing admin. fees in the regional area are as follows: Butler \$1.81/T, Westmoreland \$1.35/T, Lawrence \$2.50/T, Allegheny .25/T, Washington .25/T, Crawford 1.00/1.50/T, Indiana \$2.00/T, Armstrong \$1.00/T, Green \$1.00/T, Fayette \$1.00/T. Northeastern Pennsylvania charges \$4.00/T for their fee. A concern is no one knows what is going to happen with re-authorization of Act 57/ Act 101. A municipal rate increase as proposed would be prorated over the ten years of this plan. At an increase of \$.50/T to \$1.00/T, an average household would pay an additional \$.75/yr. A preferred fee would be a municipal fee. Some counties are considering adding fees for residual waste—this will be open for discussion.

Q Questions/A Answer

Q If you are talking about 150,000 tons of waste and 60,000 tons of residual waste, are the seven designated facilities we have today able to handle this volume. What is their quota for Beaver County?

A The facilities we have now can more than adequately handle the capacity for that waste. Don't anticipate just contracting with the existing seven. We will be required to be fair, open, and competitive. We still intent to contract with every facility that takes waste from the county. There is also no need to limit hauling companies.

Q Are the landfills at their daily limit? A lot of waste is going out and not being directed to the Beaver Co. facilities? Can this be addressed? Are there any geographical boundaries?

A This would get you in trouble. There is far more capacity available in the state than we have waste that we are generating. A lot of facilities are taking less than their limits. There is some waste going from the county to Ohio, with the majority staying in Pennsylvania. There is only one landfill facility in the county. Several landfills have contacted us to get in the present plan, but at this time we don't have the flexibility to add them in. This is also another reason why the plan must be revised.

Q How is the County going to keep track of licenses for haulers? New trucks are being seen without licenses.

A Because we don't have an enforcement officer, we are dependent on other haulers or our employees to spot them. We then call the hauler and give them 24 hours to get a sticker.

Q Recycling asphalt and concrete being counted toward the county recycling rate could help them reach their goal.

A If the DEP goes to a new standard which is the one that EPA set for counting recyclables, then they won't allow asphalt and concrete to be counted toward the recycling rate. They want a consistency throughout the states.

Q Will the municipalities have to amend or repeal old flow control ordinance?

A Probably the ordinance just directs waste to go to the designated facilities in the County Plan. This was all that was required at that time.

Q The material that is being used to make wallboard in Aliquippa can help us reach our recycling rate and would we receive monies because of it? The material is coming to the plant by barge - are they going to be subject to a fee?

A Only if it is being disposed - there is no fee on recycling, only on waste.

Q Is the admin. fee paid on every ton of waste disposed of within the county borders or every ton generated in Beaver Co. and disposed outside of the county?

A An admin fee is paid on every ton of waste disposed after recycling. Every landfill the county contracts with pays the .50¢ fee.

Q What do you classify as residual waste?

A Industrial sludges such as sandblast sand. C&D and household trash are considered municipal waste.

Q The admin fee that you collect what do you use it for?

A The fee is used for programs such as the yard waste and ONP. Mostly residential programs.

Q If the admin fee was raised right now may be a problem with existing contracts.

A The fee would be phased in over a ten year period.

Q Who can use the yard waste site? Is there a fee?

A This site is open mainly to municipalities and there is a fee. A book will be mailed to any interested parties explaining the program.

Meeting Adjourned

10:15 pm

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BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on August 21, 2000 at 7:00 PM at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Members Present: Brunner Sr., (Brunner Inc.), William Lawrence (Beaver Co. Planning Commission) John Novalesi (Metalife Resources), Sharon Sambol, (Exe. Director, COG), John Scherfel (Conservation District), Pat Guerrieri (Browning-Ferris Industries)

Others Present: Joe Brunner Jr., Janis Brunner (Brunner Inc.), Sandy Strauss (R.W. Beck), Don Berman (R.W. Beck), Steve Sales, SW Region DEP

Staff: Charles J. Raabe, Director, Janice Cable, Secretary

A motion was made by Mr. Lawrence and seconded by Mr. Novalesi to approve the minutes of the April 19, 2000 meeting. Motion carried unanimously.

Comment/General Discussion of Draft Plan Sections:

Section 1 - Description of Waste

It was explained that the first section of the Plan has to do with development of information regarding the amount of waste that will have to be disposed over the ten year planning period. One of the things that make it easier to predict in the future is the fact that DEP now requires that all landfills from the state report the amount of waste that came to that landfill from the county. Secondly Beaver Co. has agreements with landfills that require the landfill to report to them how much waste they take in from the county. Between these two reports the 1999 figures will be used to predict how much waste will be generated and disposed of in the coming ten years. The amount of tons disposed and tons recycled, divided by the population equals .8 ton per person per year. Over a ten year planning period Beaver County will need disposal capacity of 1,800,000 tons of waste. This is residential and commercial waste.

Construction & Demolition Waste An average of 1996, 1997, 1998 and 1999 reported C/D waste will be used to access the viability to see if any recycling of this waste can be brought about.

Biosolids and Septage Waste Responses from the septage haulers indicated that additional capacity is needed. Only two treatment plants in the county handle septage (Monaca & Hopewell).

Infectious and Chemotherapeutic Waste Responses indicate that most waste is handled by a contractor and properly disposed.

Residual Waste This waste is also disposed in municipal landfills, therefore will have to be figured into the ten year requirement for disposal capacity.

Municipal Collection Practices Thirty-five municipalities responded to the survey. Of those responding 18 utilize a private collection company under contract and 17 require the residents to contract directly with a collector of their choice. Prices range from approximately \$25 to \$40/qtr. Attempts will be made to obtain additional information from non-responding municipalities, as per Board Member requests.

Comments: More work needs to be done in the septage area. There are no apparent problems except some haulers state that more capacity is needed. Presently septage goes to Monaca and Hopewell treatment plants, out of state and some is land applied. A recommendation was made to look in to this area to verify there is not a problem and if additional capacity is needed. This will be considered as a Plan recommendation.

Section 3 - Estimated Future Capacity

The data from Section 1 was used as a basis for projecting future capacity which was a little over .8 tons per person per year. The tables in this section show expected waste generation through 2010. Estimated tonnages for C&D waste, sewage sludge, infectious waste, and asbestos are shown separately because there is a potential to divert some of these waste streams. These numbers are considered to be part of the total MSW generated for calculating future capacity, but subtracted from total MSW prior to calculating the recycling rate. In terms of recycling a percentage was derived from taking a four year period

(1996-1999) and coming up with an average percent for each of the materials that have been recycled. These percentages were used to project for each of the different materials for the future. As the recycling rate increases, less capacity will be required. There are several things that can be done to boost recycling, 1)expand recycling of all materials currently being recycled in residential as well as the commercial sector, 2)get better at data collection, 3)and add new materials not being recycled.

Section 4 - Description of Recyclable Materials

A municipal survey was done of the recycling programs and it was found that 31 municipalities have recycling programs, 19 have curbside programs, and 5 of the 19 have drop-off programs in addition to the curbside program. Twelve other municipalities have initiated drop-off programs.

Most drop-off programs collect newspaper, magazines, corrugated cardboard, or yard waste. The county has a recycling facility in Brady's Run Park, Brighton Twp. and there are least four other facilities that recycle in Beaver County. The Beaver County recycling rate has averaged less than 20% over the last three years. The County must focus on strategies to help make it possible for them to reach the 35% recycling goal. A new material that may prove to be beneficial for Beaver County to recycle is textiles. It was noted that an educational strategy is needed for school age children and senior citizens.

Section 7 - Implementing Entity Identification

In the Solid Waste Management Ordinance that was passed in 1992 it named the Dept. of Waste Management as the implementing entity, and this will not change in the proposed Plan Revision.

Summary of Facility Qualification Request

The following 16 facilities responded to the FQR: (Arden Landfill, Washington, PA, Brooke County Sanitary Landfill, Colliers, WV, Joseph J. Brunner Inc., Zelienople, PA, Carbon Limestone Landfill, Lowellville, OH, Greenridge Reclamation, Scottdale, PA, Imperial Landfill, Imperial, PA, Laurel Highlands Landfill, Vintondale, PA, Mahoning Landfill, New Springfield, OH, Monroeville Landfill, Monroeville, PA, Northwest Sanitary Landfill, West Sunbury, PA, Seneca Landfill Inc., Evans City, PA, South Hills Landfill Inc., Library, PA, Steel Valley Recycling Center, Ambridge, PA, Tri-County Landfill, Grove City, PA, Valley Landfill, Irwin, PA, Wetzel County Landfill, New Martinsville, WV) There were four basic requirements to be included in the Plan; 1)the facility needs to hold a valid permit issued by PA-DEP or the state authority in which the facility is located, 2)must operate in accordance with the provisions of their permit, 3)must be currently or will be accepting waste from Beaver County and, 4)agree to comply with the conditions of the standard capacity agreement that the County has, which includes an administrative fee and reporting. To date, out of the 16 facilities that responded, only the following 9 have demonstrated they have been getting, or proven intent to get waste from Beaver County: (Arden Landfill, Washington, PA, Brooke County Sanitary Landfill, Colliers, WV, Joseph J. Brunner, Inc., Zelienople, PA, Carbon Limestone Landfill, Lowellville, OH, Greenridge Reclamation, Scottdale, PA, Imperial Landfill, Imperial, PA, Mahoning Landfill, New Springfield, OH, Northwest Sanitary Landfill, West Sunbury, PA, Seneca Landfill Inc., Evans City, PA) If someone petitions to get any of the others in, they will be included in the future. With the facilities that comply, the County will have about 3 ½ times the capacity that's needed. Transfer facilities need to be addressed in the Plan. They are transferring waste to a disposal facility. At that point the transfer station becomes a hauler. A proposal was made to the committee to move ahead to modify the hauler license program to include transfer stations. This would assure that the waste is going to a designated facility. The committee concurred with the proposal, and the agreement is currently being developed by the consultant.

Meeting Adjourned
10:05pm

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BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on November 20, 2000 at 7:00 P.M. at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Members Present: J.J. Brunner Sr., (Brunner Inc.), William Lawrence (Beaver Co. Planning Commission), Jerry Peckich (Jerart Inc.)

Others Present: Joe Brunner Jr., (Brunner Inc.), Sandy Strauss (R.W. Beck), Jim Arnold (McCutcheon Enterprises Inc.)

Staff: Charles J. Raabe, Director,

Introduction:

Per Board member requests, additional attempts were made to obtain information from non-responding municipalities to the questionnaires that were sent out. Additional responses were obtained from all but two municipalities, and will be included in the next revision to Section 1 as well as Midland and New Brighton sewage treatment plant responses.

A motion was made by Mr. Peckich and seconded by Mr. Lawrence to approve the minutes of the August 21, 2000 meeting. Motion carried unanimously.

Comment/General Discussion of Draft Plan Sections:

Section 2 - Description of Facilities:

This section describes the seven facilities that are currently in the Plan. Originally there were eight facilities listed in the Plan, however, Stoney Run never received an operating permit from PA-DEP. Basic descriptions are included for all the facilities.

Section 5 - Selection and Justification:

This is the section that actually designates the facilities and how they are selected and monitored. There haven't been any changes to the recommended facilities since the last meeting with the exception of the updates of additional information on some Facility Qualification Requests (FQR's) that weren't complete. These facilities appear to be qualified, just some clarification is needed. Originally we had sixteen facilities that responded to the FQR and nine appeared to be acceptable. Out of the sixteen, six did not qualify because they weren't currently accepting or could not demonstrate that they would be accepting waste from Beaver County. One facility was eliminated because they didn't have a permit.

Agreements were sent to five of the nine that qualified and are now waiting for the executed agreements to return. The four that have qualified and didn't provide a complete response to the FQR, received a letter to provide their executed agreements along with the additional requested information to our office as soon as possible.

If the landfills commit an amount of waste to Beaver County they must accept up to that much waste. If they refuse to accept up to the committed amount they are in violation and their agreement would be terminated. The County is mandated to guarantee municipal waste disposal capacity for its fifty-four municipalities. Right now, with the nine landfills that appear to be qualified, the county has approximately 3 ½ times the capacity needed. A hauler or municipality may petition the County to have a facility considered for adding to the Plan. SWAC committee members agreed to contract with the nine facilities listed in Table 5-1.

For the recycling systems, the County will continue with what is in place now and will look at other options as they are purposed.

As far as C&D waste goes for recycling, right now the economics are not favorable. The County will encourage recycling of materials from C&D waste when it is economically feasible.

A system for managing biosolids and septage needs evaluated. A motion was made by Mr. Jerry Peckich and seconded by Mr. J.J. Brunner to proceed with looking into options for managing septage to ensure that sufficient capacity is available to septage haulers for disposal of septage. This will require that the County ask the DEP for an additional grant to complete a feasibility study to address that area. Jim Arnold, a guest speaker from McCutcheon Enterprises Inc., explained what their company deals with biosolids. McCutcheon can virtually deal with any non-hazardous material that is combined with water. They are a permitted facility.

The importance of preventing illegal dumping was discussed. A recommendation was made to give towns more information to include requirements in zoning and building permits to handle illegal dumping. SWAC does not feel County should do the enforcement themselves.

Section 8 - Public Function:

Public Function, Section 8.1 basically says Beaver County doesn't intend to purchase or operate its own disposal or recycling processing facility. It will use the private sector to manage most of the aspects of its municipal waste system with the exception of the County's drop-off recycling program, as long as they are viable.

Section 9 - Implementing Documents:

The documents that are required to implement the Plan are the Disposal Capacity Agreements that are signed with the facilities included in the Plan, Beaver County SWM Ordinance, Rules and Regulations, the resolution that the Commissioners will adopt to approve the revised Plan, and the hauler license application.

Section 10 - Orderly Extension:

The Plan has been updated to provide for the orderly extension of municipal waste management in the county that is consistent with the needs of the county and does not conflict with any state, regional, or local plans.

Section 11 - Methods of Disposal Other Than By Contracts:

Residential and commercial municipal wastes are designated to be processed and/or disposed of in County Designated Facilities with which Beaver County has executed agreements for waste disposal capacity for the next ten years. Recyclables are managed by a combination of both public and private sector efforts. ICW is carried out by the private sector through individual arrangements with facilities that need to have that waste managed. (Section 5 discuss the facilities that are designated)

Section 12 - Non-Interference:

The County won't interfere with the design, construction, operation, financing or contractual obligations of any municipal waste processing or disposal facility. This Plan also won't interfere with any local solid waste ordinances or zoning regulations.

Section 14 - Other Information:

This Section states there is nothing else that needs to be in this Plan.

Notes:

- Section 6 will include maps, location, addresses of all approved disposal facilities.
- Section 13 will include SWAC meetings minutes.
- A recommendation was made to have a page of the Plan (executive summary) to address all pertinent recommendations. This will be developed.
- Another SWAC meeting will be needed to look over the final draft.
- Next meeting is tentatively scheduled for January 8, 2001 at 7 P.M.

Meeting Adjourned
10:30 P.M.
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BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on February 7, 2000 at 7:00 P.M. at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Members Present: J.J. Brunner Sr., (Brunner Inc.), William Lawrence (Beaver Co. Planning Commission), John Novalesi (Metalife), E. Reid Powell (Powell Refuse), Lee Miller (Penn State Cooperative Ext.)

Others Present: Sandy Strauss (R.W. Beck), J. Brunner Jr., (Brunner Inc.), Jim Arnold, McCutcheon Enterprises)

Staff: Charles J. Raabe, Director,

Introduction:

All final revisions are done with a few exceptions. The transfer station licensing procedure still needs to be formalized. The executive summary is done, summarizing the Plan, and will be presented at the meeting.

A motion was made by Mr. Bill Lawrence and seconded by Mr. John Novalesi to approve the minutes of the November 20, 2000, SWAC meeting, with a correction of a typo in the first paragraph of the second page. Motion carried unanimously.

Comment/General Discussion of Draft Plan Sections:

Review and incorporate revisions

All committee members received a copy of the revisions. Revisions have been made mostly due to additional information acquired - there are no substantive changes.

Section 1 - (1.3) A recommendation was made to ask the State for some additional monies to look at the needs in the septage disposing area, and make a determination based on that study of what has to be done to add what appears to be a need for additional disposal capacity to treat that material for the haulers collecting it. We are proposing, in this Plan, to say the County will commit to requesting the money to do the study. Mr. Lawrence stated that a lot of the septage goes into Ohio and West Virginia because Pennsylvania is not accepting it. Majority of treated sludge coming from waste water treatment plants goes to landfills with less than 2% being land applied. The County is not short of septage haulers, just places for them to take the septage to for treatment. It was explained by Mr. Arnold that their company's intention is to give the septage haulers another option, a transfer situation, not to compete with them.

Section 1 - (1.6) Additional municipalities responded changing the numbers only - there are no substantive changes.

Section 4 Table 4-2 changes now show non-mandated municipalities that have implemented mandatory curbside programs. The revisions in Section 4-2 expand on what the County is doing in regard to recycling. Descriptive text has been added saying the County provides information to residents where there are no recycling programs. Beaver County publishes a list of tire dealers in the County that will accept old tires from residents. Periodically this list is checked with the DEP approved processors list. Presently the County is working on a contract to provide tire collection services at least three times a year, no cost to the taxpayer, just the user wanting to get rid of the tires. This service should help prevent illegal dumping.

Section 5 - (5.1 & 5.3) Waste in this county will continue to be landfilled because it's more economical compared to other options. Composting is an option and it is the least environmentally risky option if we had to go that route. The burn technology is another option. Both technologies are at the \$98/ton range whereas, landfilling is at the \$30/ton range, making it more economical. An initial evaluation was done and conditions have not change since the last Plan, therefore until landfilling becomes less efficient financially, this is the option that will be used. There also is no need to change the current composting and sewage sludge systems because they are working.

Section 5 - (5.6) The County will provide information and language to municipalities to help them address illegal dumping issues. The County will look into the need to address illegal dumping further, and will pursue further Act 101 planning funds to study this issue within the County.

Section 6 & 13

There are two sections the SWAC committee hasn't received yet; 1) Section 6, Location - listing all the names and addresses of the facilities in the Plan, and 2) Section 13, Public Participation - describes the public participation process used to develop the Plan and contains highlights of the SWAC meetings.

Transfer Station/Hauler Licensing There is one transfer station operating in the county. Transfer stations will be licensed the same as haulers with a few exceptions. They will have to use designated disposal facilities and they will have the option to request the addition of a facility to the County Plan. A motion was made to revise the rules and regulations as they apply to hauler licensing and to make appropriate changes in the County Solid Waste Management Ordinance to include transfer facilities to ensure accurate reporting and give the County the authority to investigate their books. Reid Powell made the motion to move ahead with efforts and Joseph Brunner seconded the motion. A finalized submittal will be presented to the committee at the next SWAC meeting.

Executive Summary - Briefly summarizes what is in the Plan and notes what recommendations were made. This will be sent to the county municipalities. Mr. Lawrence recommended that abbreviations be eliminated and a Glossary of Terms be added.

Finalization of the extent of inclusion of/or referral to previous Plan documentation to be used in this Plan

Table of Contents and the Appendices show what type of things will be included in the Plan for use by municipalities, mainly. This is a non-substantial revision to the County Plan, therefore public acceptance is not required. They are automatically part of the Plan. Municipalities were invited to be on the advisory committee, attend the meetings, or ask questions. In keeping them informed, meeting minutes are sent to them after each meeting. The executive summary will be sent to them advising them of what we are doing and what the SWAC committee recommends. If they have comments or questions they can address them to the County or come to the next SWAC meeting.

Reservation of Disposal Capacity Agreement response update

There are nine landfills that the committee agreed to enter into a contract with. Currently we have executive contracts with all nine except for Brooke County. A response hasn't been received from Brooke County yet. With the agreements signed so far, the County has more than enough disposal capacity. A certified letter will be sent to Brooke County, notifying them that we are near the finalization process of our Plan development and if they are still interested, please respond. If no response is received we will assume they don't want to be included in the Plan and we will remove them from it.

Motion to adjourn - Mr. John Novalesi

Seconded by Mr. William Lawrence

9 P.M.

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**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office
(724) 843-9450

Recycling Center
(724) 843-2868

FAX (724) 847-1058

469 Constitution Blvd.
New Brighton, PA 15066

April 3, 2000

DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
CHARLES A. CAMP
JAMES ALBERT

Letters sent to the following:

- | | | |
|---|---------------------------------|--|
| Ms. Pat Gunther, HAD-IT | Mr. Benjamin Woods, Waste Mgmt. | Ms. Sharon Sambol, Beaver/Butler COG |
| Mr. Ted Dunchack, BFI of Ohio | Mr. Joe Uriah, Zinc Corp. | Ms. Tracy Barone, Planning |
| Mr. Gerald Peckich, Jerart Inc. | Mr. John Novalesi, Metalife | Mr. John Scherfel, Conservation District |
| Ms. Naomi Chevront, Hopewell Twp. | Mr. Bryan Dehart, Brighton Twp. | Mr. Joseph Brunner, Brunner Inc. |
| Mr. Stephen Johnson, Chippewa Twp. | Mr. E. Reid Powell, Economy | Mr. Francis Chiappetta, Valley Refuse |
| Ms. Lee Ann Smith, Beaver Co. Chamber of Commerce | | Mr. J. Lee Miller, Penn State Coop. Ext. |

RE: Proposed Municipal Solid Waste Management Plan Revision

Dear

In order to comply with Act 101 mandates, and provide the most efficient and cost effective programs to manage refuse disposal and processing for our municipalities, Beaver County is initiating a ten-year update plan revision. In preparing to implement the revision, we are once again asking for the assistance of the County Solid Waste Advisory Committee. A meeting has been scheduled to up-date committee members on program developments to date, proposed revisions, and committee responsibilities; and to request input on these issues. The following attachments are provided to assist you in preparation for this meeting:

- April 19, 2000 Meeting Agenda.
- The history of Municipal Waste Planning in Pennsylvania. (1990-1999)
- Selection and justification criteria for the county's Municipal Waste Management Program.
- An outline of the Facility Qualification Request (FQR) proposed to select disposal facilities to be utilized by the county.

The meeting will be held at the Beaver County Emergency Management Center on April 19, 2000 from 7 PM to 9 PM. The center is located at 250 East End Avenue, Beaver, PA

If you have any questions or need more information prior to the meeting, please feel free to contact our office. My staff and I look forward to seeing you at the meeting.

Sincerely,

Charles J. Raabe, Director

CJR/jc

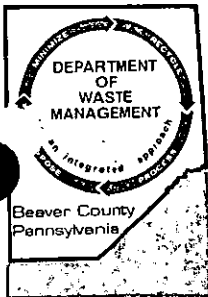
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Attachments

- cc: Board of Commissioners
T. Barone, Planning Commissioner
D. Berman, R.W. Beck
S. Svitek/S. Sales, PA-DEP



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**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE


**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
CHARLES A. CAMP
JAMES ALBERT

Department Office
(724) 843-9450

Recycling Center
(724) 843-2868

FAX (724) 847-1058

July 20, 2000

TO: Solid Waste Advisory Committee Members
FR: Charles J. Raabe, Director 
RE: Municipal Solid Waste Management Plan Revision
Draft Plan Sections, Meeting No. 1 Minutes, and Meeting Notice

Enclosed find the following documents, in draft form, for your review and comment:

1. Plan Section No. 1 - Description of Waste
2. Plan Section No. 3 - Estimated Future Capacity
3. Plan Section No. 4 - Description of Recyclable Materials
4. Plan Section No. 7 - Implementing Entity Identification
5. Minutes from the April 19, 2000 Advisory Committee Meeting for committee approval prior to transmittal to county municipalities.
6. The August 21, 2000 meeting agenda

The listed documents are transmitted for your review and use in preparing for the next Solid Waste Advisory committee meeting, which is scheduled for August 21, 2000. The meeting will be held from 7 PM to 9 PM, at the Beaver County Emergency Management Center, located at 250 East End Avenue, Beaver, PA. The purpose of the meeting is to complete the following tasks:

1. Adopt an approved form of the April 19, 2000 meeting minutes for distribution to county municipalities.
2. Receive and incorporate committee comments into draft Plan, Sections 1,3,4 and 7.
3. Conduct a general discussion of Beaver County Department of Waste Management goals and activities. (*i.e. public education, municipal assistance, county-wide programs, etc.*)
4. Provide a Facility Qualification Request submittal response summary and opportunity for general discussion.

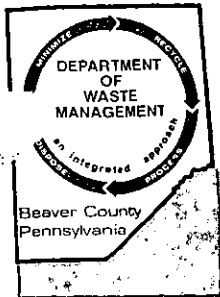
If you have any questions or need further information prior to the meeting, please feel free to contact our office. Again, on behalf of myself and the Board of Commissioners, I would like to thank you for your commitment of time and effort to this project.

/jc (f:/revision.00/advisory2

cc: Board of Commissioners
R. Cyphert
T. Barone, Planning Commission
D. Berman/S. Strauss, R.W. Beck, Inc.
S. Svitek/S. Sales, PA-DEP



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**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450
Recycling Center 724.843.2868
Fax 724.847.1058
Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE

November 8, 2000

COPY

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
CHARLES A. CAMP
JAMES ALBERT

TO: Solid Waste Advisory Committee Members

FR: Charles J. Raabe, Director

RE: Municipal Solid Waste Management Plan Revision
Draft Plan Sections, Meeting No. 2 Minutes, and Meeting Notice

Enclosed find the following documents, in draft form, for your review and comment:

1. Plan Section No. 2 - Description of Facilities
2. Plan Section No. 5 - Selection and Justification
3. Plan Section No. 8 - Public Function
4. Plan Section No. 9 - Implementing Documents
5. Plan Section No. 10 - Orderly Extension
6. Plan Section No. 11 - Methods of Disposal Other Than By Contracts
7. Plan Section No. 12 - Non-Interference
8. Plan Section No. 14 - Other Information
9. Minutes from August 21, 2000 Advisory Committee Meeting
10. The November 20, 2000 meeting agenda

The listed documents are transmitted for your review and use in preparing for the next Solid Waste Advisory committee meeting, which is scheduled for November 20, 2000. The meeting will be held from 7 PM to 9 PM, at the Beaver County Emergency Management Center, located at 250 East End Avenue, Beaver, PA. The purpose of the meeting is to complete the following tasks:

1. Adopt an approved form of the August 21, 2000 meeting minutes for distribution to county municipalities.
2. Receive and incorporate committee comments into draft Plan, Sections 2,5,8,9, 10, 11, 12, and 14.
3. Evaluate and discuss the extent of inclusion of/or referral to previous Plan documentation
4. Provide a Facility Qualification Request response update and opportunity for general discussion.

If you have any questions or need further information prior to the meeting, please feel free to contact our office. Again, on behalf of myself and the Board of Commissioners, I would like to thank you for your commitment of time and effort to this project.

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cc: Board of Commissioners
R. Cyphert
T. Barone, Planning Commission
D. Berman/S. Strauss, R.W. Beck, Inc.
S. Svitek/S. Sales, PA-DEP



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**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450

Recycling Center 724.843.2868

Fax 724.847.1058

Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE

January 11, 2001

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
CHARLES A. CAMP
JAMES ALBERT

TO: Solid Waste Advisory Committee Members

FR: Charles J. Raabe, Director

RE: Municipal Solid Waste Management Plan Revision
Plan Section Revision Summary, Meeting No. 3 Minutes, and Meeting Notice

Enclosed find the following documents, for your review and comment:

1. Minutes from November 20, 2000 Advisory Committee Meeting
2. The February 7, 2001 meeting agenda
3. Revision sheet listing up-date revisions to initial draft plan sections
4. Plan Executive Summary

The listed documents are transmitted for your review and use in preparing for the next Solid Waste Advisory committee meeting, which is scheduled for February 7, 2001. The meeting will be held from 7 PM to 9 PM, at the Beaver County Emergency Management Center, located at 250 East End Avenue, Beaver, PA. The purpose of the meeting is to complete the following tasks:

1. Adopt an approved form of the November 20, 2000 meeting minutes for distribution to county municipalities.
2. Review revisions to the previously developed sections.
3. Finalize the committee's position on the extent of inclusion of/or referral to, previous Plan documentation, to be used in this Plan.
4. Provide a Reservation of Disposal Capacity Agreement response update and opportunity for general discussion.
5. Review Executive Summary

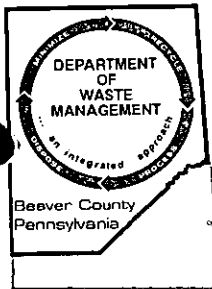
If you have any questions or need further information prior to the meeting, please feel free to contact our office. Again, on behalf of myself and the Board of Commissioners, I would like to thank you for your commitment of time and effort to this project.

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cc: Board of Commissioners
R. Cyphert
W. Lawrence, Planning Commission
D. Berman/S. Strauss, R.W. Beck, Inc.
S. Svitek/S. Sales, PA-DEP, w/atts.



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**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450

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469 Constitution Blvd.
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DIRECTOR
CHARLES J. RAABE

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: August 13, 2004

TO: Solid Waste Advisory Committee Members

FROM: Charles J. Raabe, Director

REF: Beaver County Municipal Solid Waste Management Plan Meeting Notice

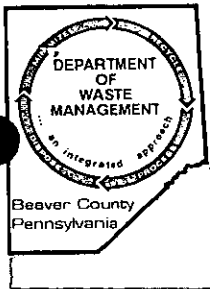
A Final Draft copy of the Beaver County Municipal Solid Waste Management Plan was transmitted to you, for review, via our July 14, 2004 letter; to assist you in preparing for our final review meeting. We are now prepared to schedule that meeting to address any final comments the committee may have and to request committee concurrence to submit the Plan to the Beaver County Board of Commissioners for adoption and the Pennsylvania Department of Environmental Protection for final approval.

The meeting is scheduled for August 26, 2004 at 7:00 P.M.; at the Beaver County Emergency Management Center located at 250 East End Avenue, Beaver, Pennsylvania.

If further information is required prior to the meeting, please feel free to contact our office. And again, on behalf of myself, my staff and the Board of Commissioners, I want to thank you for your commitment of time and effort to complete this project.

cc: Board of Commissioners
S.Svitek / S.Sales, PA-DEP-S.W.Region
K.Luken, R.W.Beck, Inc.





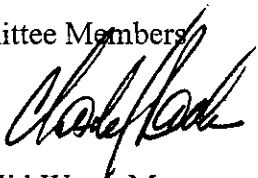
**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office **724.843.9450**
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469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
CHAIRMAN
JOE SPANIK
CHARLES A. CAMP

DATE: July 14, 2004
TO: Solid Waste Advisory Committee Members
FROM: Charles J. Raabe, Director 
REF: Beaver County Municipal Solid Waste Management Plan
2004 Final Draft

Enclosed is a Final Draft copy of the Beaver County Solid Waste Management Plan (Plan) for your review. This Plan reflects an up-dated version of the original 1991 Beaver County Municipal Solid Waste Management Plan. Revisions have been incorporated to address new State regulatory requirements, new program implementation, and state of the art industry developments.

This Final Draft is transmitted for your review and use in preparing for the next Solid Waste Advisory Committee meeting scheduled for early August, 2004. You will be advised of the actual date, once all municipal comments are received and consolidated for MSW Advisory Committee evaluation. If the Plan content is acceptable to the Committee, it will be forwarded to the Board of Commissioners for final approval and adoption as the 2004 - Beaver County Municipal Solid Waste Management Plan.

If further information is required prior to receiving the next meeting notice, please contact this department. And, as always, thank you for donating your time and effort to this project.

Enclosure

cc: Board of Commissioners
S.Svitek/S.Sales, PA-DEP-S.W.Region
K.Luken, R.W.Beck, Inc.



BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on August 26, 2004 at 7:00 P.M. at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Members Present: J.J. Brunner Sr., (Brunner Inc.), Rick Packer (Beaver Co. Planning Commission)

Others Present: Joe Brunner Jr., (Brunner Inc.), Jim Zentner (Brunner Inc.)

Staff: Charles J. Raabe, Director
Denise Stewart, Office Manager

The meeting of the Beaver County Municipal Solid Waste Management Plan Advisory Committee was called to order at 7:05 P.M. by Mr. Charles J. Raabe, Director of Beaver County Department of Waste Management.

Introductions were made of all present for the final review of the Plan. A review of the Advisory Committee members who could not attend the meeting was presented as well as the mention of the retiring of members Mr. William Lawrence (Beaver County Planning Commission) and John Novalessi (Metalife Resources). Mr. Raabe also informed those in attendance that the new Council of Governments representative is Mr. Randy Kunkle (Economy Borough Manager).

Mr. Raabe advised the Advisory Committee that all (54) Municipalities of Beaver County as well as each member of the Advisory Committee had been sent copies of the Plan with instructions to review and comment on any additions or corrections within (30) days of receipt. As of this date, the only letters received were from Mr. Randy Kunkle and Mr. Jerry Peckich (Jerart Inc.). Mr. Peckich found the Plan to be in order and extended his compliments on a job well done. Mr. Kunkle advised of a few references of DER that needed to be changed to DEP as well as his inquiry as to whether the Pay-As-You-Throw program is incorporated into the Plan. The Committee was advised that the Pay-As-You-Throw Program is addressed briefly in Section 1, Table 1-6.

Mr. Packer had input on the connection between the Planning Commission's Comprehensive Plan and the County's Municipal Solid Waste Management Plan revisions. He stated that every (10) years the Planning Commission is required to amend the Comprehensive Plan and that the revised MSW Plan will be incorporated into his amendment.

As an overview to the revisions incorporated into the Plan, Mr. Raabe advised all present that no new changes have been made since the last meeting and that all suggestions made by the Committee have been incorporated into the final draft of the Plan. After receiving a motion from the Committee to accept the Plan, Mr. Raabe advised that the Plan will be submitted to the Board of Commissioners for a Resolution to accept and adopt the revised Beaver County Municipal Solid Waste Plan. After Board adoption, the Plan will be submitted to PA-DEP for final approval.

A motion to accept the revised Municipal Solid Waste Management Plan was made by Mr. Rick Packer and seconded by Mr. Joseph Brunner, Sr. All in favor; none opposed. Motion passed.

A motion to adjourn the Plan's Final Review Meeting was made by Mr. Rick Packer and seconded by Mr. Joseph Brunner, Sr. All in favor; none opposed. Meeting adjourned at 7:50 P.M.

APPENDIX G

SAMPLE MUNICIPAL WASTE DISPOSAL CONTRACT SPECIFICATIONS

**MUNICIPAL SOLID WASTE DISPOSAL
BEAVER COUNTY, PENNSYLVANIA**

RECOMMENDED MUNICIPAL WASTE DISPOSAL CONTRACT SPECIFICATIONS

I. DEFINITIONS

Unless the context clearly indicates otherwise, the following words and terms, as used in this Request for Proposals, shall have the following meanings:

Bulky Waste (White Goods) - Large items of refuse, including but not limited to, appliances, furniture, auto parts, trees, branches or stumps which may require special handling due to their size, shape or weight.

Commercial Waste - All solid waste originating from commercial establishments engaged in nonmanufacturing or nonprocessing business, including, but not limited to, stores, markets, office buildings, restaurants, shopping centers and theaters.

Construction/Demolition Waste - Solid waste resulting from the construction or demolition of buildings and other structures, including, but not limited to, wood, plaster, metals, asphaltic substances, bricks, block and unsegregated concrete.

Contractor - The individual, firm, partnership, joint venture, corporation, or association providing municipal solid waste disposal services under contract with the (Municipality).

Department or DER - The Pennsylvania Department of Environmental Resources (DER).

Domestic or Residential Waste - Solid waste comprised of garbage and rubbish which normally originates from residential private households or apartment houses.

Garbage - Putrescible animal or vegetable wastes resulting from the handling, preparation, cooking, serving or consumption of food and food containers.

Hauler or Waste Collector - Any person, firm, partnership, association or corporation, including any municipality, engaged in the business of collecting and transporting municipal solid waste to processing or disposal facilities.

Hazardous Waste - Waste which, by reason of its composition or characteristic, is toxic or hazardous waste as defined in the Resource Conservation and Recovery Act of 1976, Subtitle C, 42 USC §6901 et seq., regulations issued thereunder, Act 97, regulations issued under Act 97, and hazardous substances as defined in the Federal Comprehensive Environmental Response, Compensation and Liability Act or any analogous federal, state or local law, all the foregoing as now in effect or as may hereafter be amended.

Industrial Waste - Solid waste resulting from manufacturing and industrial processes, including, but not limited to, those carried out in factories, foundries, mills, processing plants, refineries, mines and slaughter houses.

Institutional Waste - Solid waste originating from institutions including, but not limited to, public buildings, hospitals, nursing homes, orphanages, schools and universities.

Leaf Waste - Leaves, garden residues, shrubbery and tree trimmings, and similar material, but not including grass clippings.

Municipal Recycling Program - A source separation and collection program for recycling municipal waste, or a program for designated drop-off points or collection centers for recycling municipal waste, that is operated by or on behalf of a municipality. The term shall include any source separation and collection program for composting leaf waste that is operated by or on behalf of a municipality. The term does not include any program for recycling construction and demolition waste or sludge from sewage treatment plants or water supply treatment plants.

Municipality - Any city, borough, incorporated town, township, or county or any municipal authority created by any of the foregoing.

Municipal Waste or Solid Waste - Garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semi-solid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments or from community activities; and any sludge not meeting the definition of residual or hazardous waste from a municipal, commercial, or institutional water supply treatment plant, wastewater treatment plant or air pollution control facility.

Operator - A person or municipality that operates a municipal solid waste processing or disposal facility.

Owner - The person or municipality who is the owner of record of a solid waste processing or disposal facility or part of a facility.

Performance Bond - A corporate surety bond or collateral bond that guarantees compensation to the (Municipality) in the event that it must assume the obligations and/or duties of the Contractor in order to continue the service as defined by the Contract.

Permit - A permit issued by the Pennsylvania Department of Environmental Resources to operate a municipal waste disposal of processing facility.

Permit Area - The area of land and water within the boundaries of the permit, which is designated on the permit application maps as approved by the Department.

Recycling - The collection, separation, recovery and sale or reuse of metals, glass, paper, leaf waste, plastics and other materials which would otherwise be disposed or processed as municipal waste.

Refuse - Discarded waste materials in a solid or semi-liquid state, consisting of garbage, rubbish or a combination thereof.

Remaining Permitted Capacity - The weight or volume of municipal waste that can be disposed at a permitted municipal waste disposal or processing facility. The term shall only include the weight or volume capacity for which the Department has issued a permit.

Residual Waste - Any garbage, refuse, other discarded material or other waste, including solid, liquid, semi-solid or contained gaseous material resulting from industrial, mining and agricultural operations and any sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility; if it is not hazardous.

Resource Recovery Facility - A facility that provides for the extraction and utilization of materials or energy from municipal waste that is generated off-site, including, but not limited to, a facility that mechanically extracts materials from municipal waste, a combustion facility that converts the organic fraction of municipal waste to usable energy and any chemical or biological process that converts municipal waste into a fuel product or other usable material. The term does not include methane gas extraction from a municipal waste landfill, nor any

separation and collection center, drop-off point or collection center for recycling municipal waste, or any source separation or collection center for composting leaf waste.

Sewage Sludge - The coarse screenings, grit and dewatered or air-dried sludges, septic and holding tank pumpings and other residues from municipal and residential sewage collection and treatment systems.

Stabilized Sewage Sludge - Sewage sludge that has been treated to reduce odor potential and the number of pathogenic organisms. Treatment methods includes anaerobic and aerobic digestion, composting, lime stabilization and chlorine stabilization.

Surety Bond - A penal bond agreement in a sum certain, payable to the (Municipality), executed by the owner or operator of a facility and a corporation licensed to do business as a surety in Pennsylvania and approved by the (Municipality), and which is supported by the guarantee to payment on the bond by the surety.

Tipping Fee - The schedule of fees established by the owner or operator of a transfer station, sanitary landfill, resource recovery or disposal facility for accepting various types of solid waste delivered for processing or disposal.

II. SCOPE OF CONTRACT

1. Effective Date

The contract shall become effective on the day of execution. The Contractor shall begin providing municipal waste disposal service for the (Municipality) on the date mutually agreed upon in the contract.

2. Term of Contract

The initial term of the contract shall be for a period of five (5) years and the (Municipality) shall have the option to renew the contract for an additional term of five (5) years under the terms and conditions specified in the initial contract. The term of the contract shall begin on the date that the Contractor begins providing disposal service for the (Municipality) and shall end on the fifth anniversary of that date, unless the (Municipality) has exercised its right to renew the contract or agreed to an alternate contract period. A subsequent contract term anniversary date and renewal

options will be treated in a similar manner. The (Municipality) shall have the sole discretion to exercise its right to renew the contract at the designated anniversary date.

3. Compliance With Applicable Laws

The parties to the contract agree that the laws of the Commonwealth of Pennsylvania shall govern the validity, construction, interpretation and effect of the contract. The Contractor shall conduct the service of municipal waste disposal as provided for by the contract in compliance with all applicable federal and state regulations and laws. The contract and the work to be performed as described therein is also subject to the provisions of all pertinent (Municipality) ordinances which shall be made a part hereof with the same force and effect as if specifically set out therein.

4. Breach of Contract

If the Contractor fails to perform, or to perform in a satisfactory manner, or to perform in accordance with applicable Department regulations, the (Municipality) shall have the right to demand in writing adequate assurances from the Contractor that steps have been or are being taken to rectify the situation. Within ten (10) days of receipt of any such demand, the Contractor must submit to the (Municipality) a written statement that explains the reasons for the non-performance or delayed, partial or substandard performance during that period and any continuance thereof. The Contractor shall also have the option to present an explanation before the entire (Municipal Board). Upon receipt of the Contractor's statement or the failure of the Contractor to submit a statement, the (Municipality) may, except under the conditions of Force Majeure as defined herein, vote to terminate the contract and as a remedy make demands under the terms of the Contractor's performance bond.

5. Liquidated Damages

- A. It is hereby understood and mutually agreed, by and between the Contractor and the (Municipality), that the municipal waste disposal services to be performed under the contract are vital for the protection of public health and welfare, and it is further understood and agreed that the services to be performed under the contract will be commenced on the date specified in the contract.
- B. If the Contractor neglects, fails or refuses to provide the waste disposal services in accordance with the terms and provisions of the contract, then the Contractor does hereby agree, as a part consideration for the awarding of the contract, to pay to the (Municipality) an amount to be determined as hereinafter set forth, not as a penalty, but as liquidated damages for such breach of contract for each and every calendar day that the Contractor is in default.
- C. The amount of the liquidated damages shall be equal to any additional total waste disposal cost, up to the amount of the performance bond, i.e., disposal cost in excess of the amount that the (Municipality) normally would have paid for the disposal of the same amount of waste at the Contractor's facility under the contract, if any, plus any additional total waste transportation cost, i.e., transportation cost in excess of the amount that the (Municipality) normally would have paid for transporting the same amount of waste to the Contractor's facility, if any, that the (Municipality) has incurred for disposal of the municipal waste at

an alternative processing and/or disposal facility.

- D. The Contractor shall not be responsible for the payment of any liquidated damages whenever the (Municipality) determines that the Contractor was without fault and the Contractor's reasons for the breach of contract are acceptable. Furthermore, the Contractor shall not be responsible for any liquidated damages under the conditions of Force Majeure as defined herein.

6. **Force Majeure**

Neither the Contractor nor the (Municipality) shall be liable for the failure to perform their duties and obligations under the contract or for any resultant damages, loss, expense, etc., if such failure was the result of an act of God, riot, insurrection, war, catastrophe, natural disaster or any other cause which was beyond reasonable control of the Contractor or the (Municipality) and which the Contractor or (Municipality) was unable to avoid by exercise of reasonable diligence.

7. **Assignment of Contract**

No assignment of the contract or any right accruing under the contract shall be made in whole or in part by the Contractor without prior express written approval by the (Municipality). The delegation of any contract duties will require the written consent of the surety for the Contractor's performance bond because such delegation will not relieve the Contractor or his surety of any liability and/or obligation to perform.

In the event of any delegation of a duty, the delegate shall assume full responsibility and liability for performance of that duty without affecting the Contractor's liability.

8. **Change of Ownership**

In the event of any change of control or ownership of the Contractor's facilities, the (Municipality) shall maintain the right to hold the original owner solely liable. However, the (Municipality), at its option, may determine that the new ownership can adequately and faithfully perform the duties and obligations of the contract for the remaining term of the contract, and elect to execute a novation, which will allow the new ownership to assume the rights and duties of the contract and release the former ownership of all obligations and liabilities. The new ownership would then be solely liable for the performance of the contract and any claims or liabilities under the contract.

9. **Waivers**

A waiver by either party of any breach of any provisions of the contract shall not be taken or held to be a waiver of any succeeding breach of such provisions or as a waiver of any provision itself. No payment or acceptance of compensation for any period subsequent to any breach shall be deemed a waiver of any right or acceptance of defective performance. Where the condition to be waived is a material part of the contract, such that its waiver would affect the essential bargains of the parties, the waiver must be supported by consideration and take the form of a contract modification as provided for in the contract.

10. Illegal and Invalid Provisions

In the event any term, provision, or other part of the contract should be declared illegal, inoperative, invalid or unenforceable, such term or provision shall be amended to conform with the appropriate laws or regulations. In the case of illegal or invalid provisions, the remainder of the contract shall not be affected and shall remain in full force and effect.

11. Joint and Severable Liability

If the Contractor is comprised of more than one individual, corporation or other entity, each of the entities comprising the Contractor shall be jointly and severably liable.

12. Binding Effect

The provisions, covenants and conditions of the contract shall apply to and bind the parties, their legal heirs, representatives, successors and assigns.

13. Amendments to the Contract

No amendment or modifications of the terms and conditions of the contract shall be effective unless such amendment or modification is in writing and signed by authorized representatives of all parties entitled to receive a right or obligated to perform a duty under the contract. A signed original amendment to the contract shall be furnished to all parties and become part of the original contract.

14. Merger Clause

The contract shall constitute the final and complete agreement and understanding between the parties. All prior and contemporaneous agreements and understandings, whether oral or written, are to be without effect in the construction of any provision or term of the contract if they alter, vary or contradict the contract.

III. SERVICE, OPERATIONS AND PERFORMANCE

1. Services of the Contractor

The Contractor shall provide municipal waste processing and/or disposal services as defined in the contract for the (Municipality). The Contractor shall agree to accept and process or dispose of specified quantities and types of municipal solid waste originating from sources located in (Municipality) in accordance with applicable federal and state regulations. The Contractor shall not be responsible for the collection or transportation of the waste materials from the sources in (Municipality) to the Contractor's processing or disposal facility.

2. Acceptable Municipal Waste

The specific type or types of municipal solid waste that will be accepted shall be specified in the final contract and mutually agreed upon by the (Municipality) and the Contractor, based on the Contractor's proposal submitted in response to this Request for Proposals and any subsequent negotiations with the (Municipality).

3. **Quantities of Municipal Waste**

The specific quantities of municipal solid waste that will be accepted shall be specified in the final contract and shall be mutually agreed upon by the (Municipality) and the Contractor, based on the Contractor's proposal submitted in response to this Request for Proposals and any subsequent negotiations with the (Municipality).

4. **Delivery of Wastes**

The municipal solid waste to be accepted under the contract will be delivered to the Contractor's facility by municipal and/or private waste haulers. The waste haulers responsible for delivering the municipal solid waste that will be accepted under the contract will be regulated and contracted by the (Municipality). Only the municipal waste materials delivered to the Contractor's facility by the haulers contracted by the (Municipality) will be covered by the contract and counted towards any waste quantity limitations. The (Municipality) will provide the Contractor with a list of the designated licensed haulers for the purposes of this contract.

5. **Minimum Hours of Operation**

At a minimum, the Contractor shall be required to accept municipal solid waste from (Municipality) licensed waste haulers during the hours of 8:00 a.m. to 4:00 p.m. on weekdays and 8:00 a.m. to 12:00 noon on Saturdays. The Contractor shall have, subject to approval of the (Municipality), which such approval shall not be unreasonably withheld, discretion to make alternate or special arrangements for accepting waste at earlier or later hours or on Sundays.

6. **Complaints**

The Contractor shall receive and respond to all complaints regarding the acceptance of waste materials at his facility. Any complaints received by the (Municipality) will be directed to the Contractor. In the event the Contractor cannot satisfactorily resolve a complaint within two (2) days after receipt of the complaint, the (Municipality) shall have the right to demand a written explanation or satisfactory resolution of the complaint pursuant to the breach of contract provisions in the contract.

7. **Municipal Recycling Programs**

The (Municipality) shall retain the right to establish and operate municipal recycling programs and remove recyclable materials from the municipal waste stream prior to delivery of the waste to the Contractor's facility. The (Municipality) shall retain the right to construct and operate any type of processing facility to separate and recover recyclable materials or produce other resources from the mixed waste stream after collection and before delivery of the waste to the Contractor's facility; provided, however, that the (Municipality) will first evaluate use of services provided by the Contractor whenever:

- A. The Contractor has constructed and is currently operating material recovery processes, permitted by the Department, as an integral part of the Contractor's disposal or resource

recovery facility; or

- B. The Contractor has notified the (Municipality) in writing of plans to construct and operate material recovery processes as an integral part of its facility and can demonstrate continuing progress towards implementing those processes, i.e., completed feasibility study, market agreements, design plans, permit applications, etc.

8. Title to Solid Waste

The title to the municipal waste and the benefits of marketing any materials or energy recovered from the waste shall pass to the Contractor upon delivery of the waste to the Contractor's facility.

9. Unacceptable or Hazardous Waste

The County licensed waste haulers shall not be entitled to deposit or deliver any hazardous waste materials, exclusive of the normal household hazardous waste constituents typically found in municipal waste, or any other types of municipal waste material, which have been designated as unacceptable under the contract, to the Contractor's facility. The Contractor shall have the discretion to inspect and reject any hazardous or unacceptable (Municipality) waste delivered to the facility by the hauler(s.) The hauler shall be responsible for the prompt removal and disposal of the unacceptable waste so identified and shall bear all costs for the transportation of the unacceptable waste so identified.

10. Basis and Method of Payment (Types)

- A. All tipping fees shall be paid directly by the municipal and/or private waste haulers delivering the waste to the Contractor's facility.
- B. The Contractor and Municipality must decide on the responsibility for the billing and collection of all tipping fees from the waste haulers. The method of billing and collection shall be dependant upon solid waste collection practices in (municipality).
- C. The (Municipality) shall not be responsible for the failure of any waste hauler, licensed or otherwise, to pay the Contractor's tipping fees and no such fees will be paid by the (Municipality).

The Contractor shall submit to the County copies of any delinquent notifications to any waste hauler licensed by the County. The County in turn will take action to revoke the hauler's license and notify all municipalities served by that hauler.

- D. The Contractor shall not charge a tipping fee to any (municipality) or waste hauler licensed by the County that is greater than the maximum rates established by the final contract for that type of waste. The Contractor shall retain complete discretion to negotiate alternate tipping fees, including large volume discounts, with any waste hauler provided the fees do not exceed the maximum rates under the contract.

11. Maximum Tipping Fees of Rate Schedule

The maximum rate or tipping fee to accept various types of municipal waste shall be specified in the final contract and shall be mutually agreed upon by the (Municipality) and the Contractor.

12. Rate Escalation and Adjustments

- A. Unless the (Municipality) accepts an alternate proposal from the Contractor, the maximum rates or tipping fees shall be adjusted on an annual basis in accordance with a fixed rate of escalation to reflect the general increase in the Contractor's cost of operations. The Contractor will provide a list to the (Municipality) outlining the basis for the cost escalation.
- B. The Contractor may request that the escalation rate adjustments on the basis of unforeseen changes in the cost of operations, as a result of new or revised laws, ordinances, regulations or permit requirements, which were not in existence when the original contract was awarded. The (Municipality) shall have the right to demand an inspection, by itself or by an independent auditor, of all pertinent financial records that document the need for a rate adjustment using audit standards similar to the Federal and State procurement regulations. Based on the evidence submitted, the (Municipality) may grant the rate increase as requested, modify the amount of the rate increase requested or reject the rate increase petition for lack of justification.

13. Performance Bond

Mandatory Performance Bond -- The Contractor shall furnish a bond for the faithful performance of this Contract with the (Municipality) as beneficiaries, in a sum equal to 10% of the amount determined by multiplying the first year annual fee times the number of residential units in the (Municipality).

The amount of the bond for the remainder of the contract years will be calculated by multiplying the annual fee times the number of residential units in the (Municipality) for the Contract Year.

Further details on acceptable performance bond requirements are contained in Exhibit A of this Document.

IV. RECORDKEEPING AND REPORTING REQUIREMENTS

1. Measurement of Waste

The Contractor will be required to maintain a scale to weigh all incoming waste to the municipal waste landfill. The scale used to weigh solid waste shall conform to the Weights and Measurement Act of 1965 (73 P.S. Sections 1651-1692) and applicable regulations thereunder. The operator of the scale shall be a licensed public weighmaster under the Public Weighmasters Act (73 P.S. Sections 1771-1796) and regulations thereunder.

2. Quarterly Operation Report

The Contractor shall prepare and submit to the (Municipality) quarterly operation report. The quarterly reports shall be submitted on or before the 20th day of April, July, October and January of each year for the preceding three (3) month calendar period ending the last day of March, June, September and December, respectively. At a minimum, the following information shall be included in each quarterly operational report:

- A. The type and weight of all solid waste received in each month of the quarterly reporting period;
- B. The names of the haulers or transporters that delivered waste originating from (Municipality);
- C. The type and weight of solid waste received each month from each hauler or transporter that delivered waste originating from (Municipality); and
- D. A summary of the type and total weight of solid waste received each month from (Municipality) and the type and total weight received from all other sources.

3. Annual Operation Report

The Contractor shall prepare and submit to the (Municipality) an annual operation report for each year, approved by the (Municipality). The annual operation report shall be submitted on or before June 30th of each year unless an alternate submission date is approved by the (Municipality). The information contained in the quarterly reports shall be included in each annual operational report.

5. Administrative Inspections

The (Municipality) or its authorized agent or employee(s) shall have access to and the right to copy any logs, records, papers, reports and/or other documents pertaining to the quantities and sources of solid waste accepted at the facility for the purpose of verifying compliance with terms and provisions of the (Municipality) municipal waste disposal contract.

6. Special Reporting Requirements

The Contractor shall provide written notification to the (Municipality) of any permit modification applications.

V. INSURANCE

1. Insurance Requirement

The Contractor shall at its own cost and expense maintain the following insurance coverage in effect at all times during the term of the Contract and shall deliver to (Municipality) prior to or

contemporaneously with execution hereof Certificates of Insurance issued by a Company or Companies authorized to do business in the Commonwealth of Pennsylvania, evidencing the following coverage:

1. Comprehensive Liability Insurance, which includes either broad-form contractual liability or specific contractual liability covering this Contract, with not less than \$1,500,000 of combined single limit coverage for bodily injury and property damage per occurrence, with evidence of approval by the Department as a self-insurer. effect throughout the term of the contract, and any renewal or extension thereof, a general liability insurance policy to provide continuous coverage against third party claims for property damage and personal injury, as specified in this section. The effective date of the required insurance policy shall be prior to the initiation of any waste disposal services under this contract.
2. Workman's Compensation Insurance as required by law or evidence of certification by the Pennsylvania Department of Labor and Industry as a self-insurer.

VI. NON-DISCRIMINATION

Neither the Contractor nor any subcontractor nor any person(s) acting on his behalf shall discriminate against any person because of race, sex, age, creed, color, religion or national origin.

VII. INDEMNIFICATION

The Contractor will indemnify and save harmless the (Municipality), its officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and attorney's fees resulting from a willful or negligent act or omission of the Contractor, its officers, agents, servants, and employees in the performance of this contract; provided however, that the Contractor shall not be liable for any suits, actions, legal proceedings, claims, demands, damages, costs, expenses and attorney's fees arising out of the award of this contract or the willful or negligent act of omission of the (Municipality), its officers, agents, servants and employees.

VIII. PERMITS

The Contractor shall be responsible for obtaining any and all permits necessary for the construction and operation of the solid waste disposal and/or processing facilities required to comply with the terms and conditions of the contract, and any and all costs or expenses of obtaining such permits.

APPENDIX H

MODEL RECYCLING ORDINANCE

**MODEL
RECYCLING ORDINANCE**

AN ORDINANCE TO ESTABLISH A PROGRAM FOR THE COLLECTION OF RECYCLABLE MATERIALS FROM RESIDENCES IN THE [NAME OF MUNICIPALITY] FOR RECYCLING PURPOSES; TO PROHIBIT THE DISPOSAL OF RECYCLABLE MATERIALS INTO THE CONVENTIONAL MUNICIPAL SOLID WASTE DISPOSAL SYSTEM; TO EMPOWER THE MUNICIPALITY TO ADOPT AND PROMULGATE REASONABLE REGULATIONS THEREFORE; AND TO FIX PENALTIES FOR THE VIOLATION THEREOF.

WHEREAS, Section 27 of Article I of the Constitution of the Commonwealth of Pennsylvania provides that the people have the right to clean air, pure water, and to the preservation of the natural, scenic, historic and esthetic values of the environment. Pennsylvania's public natural resources are the common property of all the people, including generations yet to come. As trustee of these resources, the Commonwealth shall conserve and maintain them for the benefit of all people; and

WHEREAS, the Act of July 28, 1988, No. 101, known as the Municipal Waste Planning, Recycling and Waste Reduction Act, provides that each municipality of the Commonwealth shall have the power and duty to adopt and implement programs for the collection and recycling of municipal waste or source separated recyclable materials; and

WHEREAS, conservation of recyclable materials has become an important public concern because of the growing problem of solid waste disposal and its impact on our environment; and

WHEREAS, the remaining permitted solid waste landfills are reaching their capacity; and

WHEREAS, there is an increasing necessity to conserve our natural resources; and

WHEREAS, the collection of recyclable materials from residences and commercial and institutional establishments promotes the general public interest; and

WHEREAS, the adoption and implementation of recycling will effect the conservation of natural resources, the protection of the right of the people to clean air, pure water and the preservation of the environment.

NOW, BE IT THEREFORE RESOLVED THAT THE [NAME OF MUNICIPALITY] shall conserve natural resources through waste reduction and recycling.

NOW, THEREFORE, BE IT ORDAINED, BY THE [GOVERNING BODY] OF THE [NAME OF MUNICIPALITY] in the County of Beaver, Commonwealth of Pennsylvania by the authority of the same as follows:

SECTION I. TITLE:

The short title of this ordinance shall be "[NAME OF MUNICIPALITY]" Recycling Ordinance, and the same may be cited in that manner.

SECTION II. DEFINITIONS:

Aluminum Cans - shall mean empty all-aluminum beverage and food containers.

Bi-Metal Containers - shall mean empty food or beverage containers consisting of steel and aluminum.

Commercial Establishment - shall mean those properties used primarily for commercial or industrial purposes and those multiple dwelling residential buildings containing more than four dwelling units.

Community Activities - shall mean church, social, school, civic, service group, municipal functions and all other such functions.

Corrugated Paper - shall mean structural paper material with an inner core shaped in rigid parallel furrows and ridges.

Ferrous Containers - shall mean empty steel or tin-coated steel food or beverage container.

Glass Containers - shall mean bottles and jars made of clear, green or brown glass. Excluded are plate glass, automotive glass, blue glass and porcelain and ceramic products.

High-grade Office Paper - shall mean all white paper, bond paper and computer paper used in commercial, institutional and municipal establishments and in residences.

Institutional Establishment - shall mean those facilities that house or serve groups of people such as hospitals, schools, day care centers, and nursing homes.

Lead Acid Batteries - shall include but not limited to automotive, truck and industrial batteries that contain lead.

Leaf Waste - shall mean leaves from trees, bushes and other plants, garden residue, chipped shrubbery and tree trimmings but not including grass clippings.

Magazines and Periodicals - shall mean printed matter containing miscellaneous written pieces published at fixed or varying intervals. Expressly excluded are all other paper products of any nature whatsoever.

Multi-Family Housing Properties - shall mean any properties having four (4) or more dwelling units per structure.

Municipality - shall mean [Name of Municipality], Beaver County, Pennsylvania

Newspapers - shall mean paper of the type commonly referred to as newsprint and distributed at fixed intervals, having printed thereon news and opinions, containing advertisements and other matters of public interest. Expressly excluded are glossy advertising inserts often included with newspapers.

High-grade Office Paper - shall mean computer paper and white paper generated in offices and homes.

Person (s) - shall mean owners, lessees and occupants of residences, commercial or institutional establishments.

Plastic Container - shall mean empty plastic containers. Due to the large variety of types of plastics,

the recycling regulations may stipulate specific types of plastic which may be recycled.

Recyclable Materials - shall mean those materials separated at the point of origin for the purpose of being recycled including those materials listed in Act 101 and by the municipality to be recycled.

Residential Dwellings - shall mean any occupied single or multi-family dwelling units having up to four (4) dwelling units per structure.

Waste - A material whose original purpose has been completed and which is directed to a disposal or processing facility or is otherwise disposed. The term does not include source separated recyclable materials or material approved by the Pennsylvania Department of Environmental Protection beneficial use.

SECTION III. ESTABLISHMENT OF PROGRAM:

There is hereby established a program for the mandatory separation of recyclable materials from solid waste by persons residing in single dwellings or multi-family dwelling having up to four (4) dwelling units per structure for which [name of Municipality] hereinafter referred to as the Municipality, provides [public or private] waste collection service.

SECTION IV. SEPARATION OF RECYCLABLES AND PLACEMENT FOR DISPOSAL

Recyclable materials from residential dwellings shall be placed at the curb or other designated place separate from solid waste for collection or taken to drop-off sites at such times, dates, and places as may be herein established by regulation. Materials to be recycled are [choose at least three of the following]: clear glass, colored glass, aluminum, steel and bimetallic cans, office paper, newsprint, corrugated paper, plastic.

SECTION V. SEPARATION OF RECYCLABLES BY COMMERCIAL, MUNICIPAL AND INSTITUTIONAL ESTABLISHMENTS AND AT COMMUNITY ACTIVITIES:

Commercial, municipal and institutional establishments shall separate and store, until collection, high grade office paper, corrugated paper and aluminum and [other materials designated by the municipality]. These establishments must arrange for the transfer of the materials to a recycling system. The establishments shall annually provide to the [Municipality] evidence of such arrangement and documentation of the total number of tons recycled.

Recyclable materials designated by the [Municipality] must be separated until collection at community activities. Sponsoring organizations must arrange for the transfer of the materials to a recycling system.

SECTION VI. SEPARATION OF RECYCLABLES BY MULTI-FAMILY HOUSING PROPERTIES AND PLACEMENT FOR DISPOSAL:

The owner, landlord or an agent of an owner or landlord of multi-family housing properties of four (4) or more units shall establish a collection system for recyclables at each property. Materials to be separated are [choose at least three] clear glass, colored glass, aluminum cans, steel and bimetallic cans, paper, newsprint, corrugated paper or plastic. The collection system must contain suitable containers for collecting and sorting materials, easily accessible locations for the containers and written instructions to the occupants concerning the use and availability of the collection system. Owners, landlords and agents of owners or landlords shall not be liable for noncompliance of the occupants of their building.

SECTION VII. LEAD ACID BATTERIES:

No person may place a used lead acid battery in mixed municipal solid waste, discard or otherwise dispose of a lead acid battery except by delivery to an automotive battery retailer or wholesaler, to a secondary lead smelter permitted by the Environmental Protection Agency, or to a collection or recycling facility authorized under the laws of the Commonwealth.

SECTION IX. COLLECTION BY UNAUTHORIZED PERSON(S):

It shall be a violation of this ordinance for any person(s), not authorized by the [Municipality], to collect or pick up or cause to be collected or picked up any such recyclable material. Each such collection in violation hereof shall constitute a separate and distinct offense punishable as hereinafter provided.

SECTION X. ALTERNATIVE COLLECTION OR DISPOSITION OF RECYCLABLE MATERIALS:

Any person may donate or sell recyclable materials to individuals or organizations. These materials must be delivered to the individual's or organization's site [or they may be placed at the curb for collection by said individual or organization on days not indicated as recyclable material collection days by the [Municipality]]. Said individuals or organizations may not collect recyclable materials on or immediately preceding (within a designated time span, e.g. 24 hours) a regularly scheduled curbside collection day.

SECTION XI. DELIVERY OF RECYCLABLE MATERIALS TO LANDFILLS OR INCINERATORS:

It shall be a violation of this ordinance for the authorized collector of recyclable materials to deliver such materials to a landfill or incinerator for the purpose of disposal unless the markets for such materials no longer exists. The authorized collector will provide to the [Municipality] the weight receipts of the recyclable materials.

SECTION XII. FRANCHISE OR LICENSE:

The [Municipality] may enter into agreement(s) with public or private agencies or firms to authorize them to collect all or part of the recyclable material from curbside or from drop-off collection points.

SECTION XIII. VIOLATION AND PENALTY:

Any action by any person, firm, corporation, or other entity which violates any Section of this ordinance or any regulations thereof shall be punishable by a [fine not to exceed amount upon a first conviction; amount upon second conviction; and amount on third or subsequent conviction.]

SECTION XIV. SEVERABILITY:

If any section, sentence or any other part of this Ordinance is adjudged unconstitutional or invalid, such judgment shall not affect, impair or invalidate the remainder of this Ordinance, but shall be confined in its effect to the section, sentence or other part of this Ordinance directly involved in the controversy in which such judgement shall have been rendered. It is hereby declared to the intent of the [Governing Body] that this Ordinance would have been adopted if such illegal, invalid or unconstitutional section, clause, sentence part or provision had not been included therein.

SECTION XV. AMENDMENT:

This ordinance shall not be amended or modified except by a written instrument signed by the (Municipality), and any involved contractor.

SECTION XVI. APPLICABILITY:

This ordinance shall be subject to all applicable federal, state and local laws and ordinances as well as rules and regulations set forth by the Department of Environmental Protection, Commonwealth of Pennsylvania.

SECTION XVII REPEALER:

All provisions of any other ordinance which are inconsistent with the provisions of this Ordinance are hereby repealed.

SECTION XVIII EFFECTIVE DATE:

This ordinance shall take effective on _____, 20__.

ENACTED AND ORDAINED an Ordinance this _____ day of _____, 20__.

ATTEST:
(Seal)

MUNICIPAL OFFICIALS:

Secretary

Chairman

APPENDIX F

SOLID WASTE ADVISORY COMMITTEE MEMBERSHIP, MINUTES

BEAVER COUNTY
SOLID WASTE ADVISORY COMMITTEE

MEETING MINUTES

A meeting of the Beaver County Solid Waste Advisory Committee was held on August 26, 2004 at 7:00 P.M. at the Beaver County Emergency Management Center, 250 East End Ave., Beaver, PA

Members Present: J.J. Brunner Sr., (Brunner Inc.), Rick Packer (Beaver Co. Planning Commission)

Others Present: Joe Brunner Jr., (Brunner Inc.), Jim Zentner (Brunner Inc.)

Staff: Charles J. Raabe, Director
Denise Stewart, Office Manager

The meeting of the Beaver County Municipal Solid Waste Management Plan Advisory Committee was called to order at 7:05 P.M. by Mr. Charles J. Raabe, Director of Beaver County Department of Waste Management.

Introductions were made of all present for the final review of the Plan. A review of the Advisory Committee members who could not attend the meeting was presented as well as the mention of the retiring of members Mr. William Lawrence (Beaver County Planning Commission) and John Novalessi (Metalife Resources). Mr. Raabe also informed those in attendance that the new Council of Governments representative is Mr. Randy Kunkle (Economy Borough Manager).

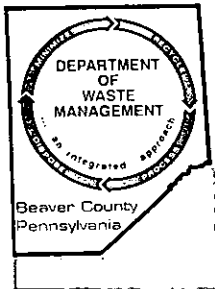
Mr. Raabe advised the Advisory Committee that all (54) Municipalities of Beaver County as well as each member of the Advisory Committee had been sent copies of the Plan with instructions to review and comment on any additions or corrections within (30) days of receipt. As of this date, the only letters received were from Mr. Randy Kunkle and Mr. Jerry Peckich (Jerart Inc.). Mr. Peckich found the Plan to be in order and extended his compliments on a job well done. Mr. Kunkle advised of a few references of DER that needed to be changed to DEP as well as his inquiry as to whether the Pay-As-You-Throw program is incorporated into the Plan. The Committee was advised that the Pay-As-You-Throw Program is addressed briefly in Section 1, Table 1-6.

Mr. Packer had input on the connection between the Planning Commission's Comprehensive Plan and the County's Municipal Solid Waste Management Plan revisions. He stated that every (10) years the Planning Commission is required to amend the Comprehensive Plan and that the revised MSW Plan will be incorporated into his amendment.

As an overview to the revisions incorporated into the Plan, Mr. Raabe advised all present that no new changes have been made since the last meeting and that all suggestions made by the Committee have been incorporated into the final draft of the Plan. After receiving a motion from the Committee to accept the Plan, Mr. Raabe advised that the Plan will be submitted to the Board of Commissioners for a Resolution to accept and adopt the revised Beaver County Municipal Solid Waste Plan. After Board adoption, the Plan will be submitted to PA-DEP for final approval.

A motion to accept the revised Municipal Solid Waste Management Plan was made by Mr. Rick Packer and seconded by Mr. Joseph Brunner, Sr. All in favor; none opposed. Motion passed.

A motion to adjourn the Plan's Final Review Meeting was made by Mr. Rick Packer and seconded by Mr. Joseph Brunner, Sr. All in favor; none opposed. Meeting adjourned at 7:50 P.M.



**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450

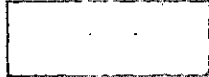
Recycling Center 724.843.2868

Fax 724.847.1058

Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: July 14, 2004

TO: Solid Waste Advisory Committee Members

FROM: Charles J. Raabe, Director

REF: Beaver County Municipal Solid Waste Management Plan
2004 Final Draft

Enclosed is a Final Draft copy of the Beaver County Solid Waste Management Plan (Plan) for your review. This Plan reflects an up-dated version of the original 1991 Beaver County Municipal Solid Waste Management Plan. Revisions have been incorporated to address new State regulatory requirements, new program implementation, and state of the art industry developments.

This Final Draft is transmitted for your review and use in preparing for the next Solid Waste Advisory Committee meeting scheduled for early August, 2004. You will be advised of the actual date, once all municipal comments are received and consolidated for MSW Advisory Committee evaluation. If the Plan content is acceptable to the Committee, it will be forwarded to the Board of Commissioners for final approval and adoption as the 2004 - Beaver County Municipal Solid Waste Management Plan.

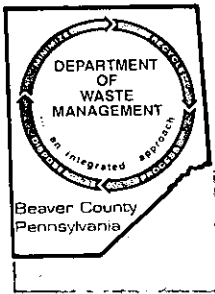
If further information is required prior to receiving the next meeting notice, please contact this department. And, as always, thank you for donating your time and effort to this project.

Enclosure

cc: Board of Commissioners
S.Svitek/S.Sales, PA-DEP-S.W.Region
K.Luken, R.W.Beck, Inc.



recycled paper



**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450

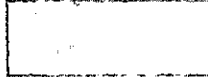
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469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: August 13, 2004

TO: Solid Waste Advisory Committee Members

FROM: Charles J. Raabe, Director

REF: Beaver County Municipal Solid Waste Management Plan Meeting Notice

A Final Draft copy of the Beaver County Municipal Solid Waste Management Plan was transmitted to you, for review, via our July 14, 2004 letter; to assist you in preparing for our final review meeting. We are now prepared to schedule that meeting to address any final comments the committee may have and to request committee concurrence to submit the Plan to the Beaver County Board of Commissioners for adoption and the Pennsylvania Department of Environmental Protection for final approval.

The meeting is scheduled for August 26, 2004 at 7:00 P.M.; at the Beaver County Emergency Management Center located at 250 East End Avenue, Beaver, Pennsylvania.

If further information is required prior to the meeting, please feel free to contact our office. And again, on behalf of myself, my staff and the Board of Commissioners, I want to thank you for your commitment of time and effort to complete this project.

cc: Board of Commissioners
S.Svitek / S.Sales, PA-DEP-S.W.Region
K.Luken, R.W.Beck, Inc.



recycled paper

JERART, INC.

3701 Duss Avenue
P. O. Box 153
Baden, PA 15005
724-869-8844

RECEIVED
AUG 10 2004
WASTE MNGMT

August 9, 2004

Mr. Charles Raabe, Director
Beaver County Dept. of Waste Management
469 Constitution Boulevard
New Brighton, PA 15066

Reference: Municipal Solid Waste Management Plan
Final Draft 2004

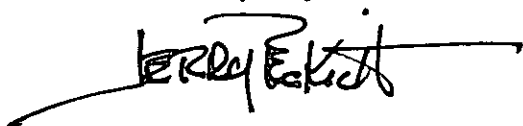
Dear Mr. Raabe,

As a member of the Solid Waste Advisory Committee, I would like to congratulate you and your staff for a great job in compiling all of the information contained in the Municipal Solid Waste Management Plan.

I am looking forward to meeting with you and the advisory committee again.

Again, great job!

Yours very truly,



Jerry Peckich
Sr. Vice President

cc: Board of Commissioners
S. Svitek/S.Sales, PA-DEP-S.W.Region
K. Luken, R.W. Beck, Inc.

Borough of Economy

Beaver County

2856 Conway Wallrose Road

Baden, PA 15005-2306

(724) 869-4779

FAX: (724) 869-8111

Mr Charles Raabe
469 Constitution Blvd
New Brighton, PA 15066

16 Aug 04

Dear Skip,

Just a thought.

Enclosed is part of an article about pay as you throw garbage collection. I am a bit surprised that Pennsylvania is among the top states with municipalities using this system. I am unaware of anyone in this region who uses it, maybe it's out there but we just don't hear about it. And I don't recall it being mentioned in the County's solid waste plan. I think it should at least be a topic of discussion, but then again it would be a "Change" to the status quo; but then again again, recycling was a monumental change.

The COG Executive Board welcomed my offer to participate on the committee, let me know when the next meeting is.

Sincerely,



Randy S Kunkle
Economy Borough Manager

SECTION 13 PUBLIC PARTICIPATION

13.1 PUBLIC PARTICIPATION IN PLAN UPDATE PROCESS

Beaver County established a Solid Waste Advisory Committee (SWAC) in 1989, pursuant to Act 101, to advise the County in the preparation of its Municipal Waste Management Plan. The SWAC met once in late 1989, six times from January through July 1990, and once in early 1991 during the preparation of the 1991 Plan. The SWAC did not meet on a regular basis between completion of the 1991 Plan and the start of work on this Plan update.

Several of the original members serve on the current SWAC, though replacements have been named for many of the original members who were no longer able to serve for various reasons. There are currently 18 positions. A list of members is included in Appendix F. The SWAC continues to provide for public participation in the Plan development process. This group functions under the direction of the Beaver County Department of Waste Management.

The SWAC met on an as-needed basis during the time of the County's involvement in this Plan update process. The group has been involved in every phase of the plan revision process, and the group's input was very important to the process and was taken into consideration in preparing this revised plan. The Committee reviewed and commented on each section of this plan during its preparation.

Below is a list of meetings and significant actions taken at each:

- April 19, 2000 Reviewed Pennsylvania and Beaver County municipal waste planning history; reviewed and discussed proposed Scope of Work for Plan update; reviewed and discussed purpose of SWAC; discussed Facility Qualification Request process; discussed potential changes to County Administrative Fee.
- August 21, 2000 Reviewed and discussed drafts of Sections 1, 3, 4 and 7 of the Plan update; recommended including a recommendation to work with the Conservation District to look further into ensuring sufficient capacity for septage; recommended including education of students and seniors as a means of boosting recycling; reviewed and discussed the results of the Facility Qualification Request process; voted to accept facilities that qualified; voted to revise hauler licensing requirements to include transfer stations under the hauler licensing program.
- November 20, 2000 Reviewed and discussed drafts of Sections 2, 5, 8, 9, 10, 11, 12 and 14; participated in a discussion concerning the management of septage, including a presentation by McCutcheon Enterprises, which operates a septage processing facility in Westmoreland County; recommended that the County include a Plan recommendation to review options for managing septage to ensure

Section 13

that sufficient capacity is available; recommended a Plan provision to give municipalities information to include requirements in zoning and building ordinances to address illegal dumping problems; recommended developing an executive summary to outline Plan highlights and recommendations.

- February 7, 2001 Discussed specific revisions incorporated within the completed draft Plan based on recommendations from previous meetings; recommended that the County apply for Act 101 funding to study disposal options for septage to ensure adequate capacity; recommended that the rules and regulations and Solid Waste Management Ordinance be amended as they apply to hauler licensing to include transfer stations as haulers and to ensure accurate reporting of disposal tonnages from the County; recommended that a glossary be added to define acronyms that appear in the Plan; received an update on the status of capacity agreements executed.
- August 26, 2004 A brief overview presentation of the proposed MSW Plan Revision was conducted, and a motion was made to accept the MSW Plan.

Appendix F also contains minutes of the SWAC meetings listed above.

On August 26, 2004 this Plan Update was approved by the SWAC, with a recommendation that the Beaver County Board of Commissioners grant approval. The County Commissioners voted to approve the 2004 Beaver County Municipal Waste Management Plan at its September 9, 2004 meeting. A copy of the Resolution approving the Plan is included in Appendix E.



**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**


Department Office 724.843.9450
Recycling Center 724.843.2868
Fax 724.847.1058

Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE

COUNTY COMMISSIONERS
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: June 22, 2004
TO: All Beaver County Municipalities
FROM: Charles J. Raabe, Director 
REF: Revised Beaver County Municipal Solid Waste Management Plan

Enclosed is a draft copy of the revised Beaver County Solid Waste Management Plan (Plan) for your review and comment. This Plan reflects an up-dated version of the original 1991 Beaver County Municipal Solid Waste Management Plan which was adopted by your Municipality at that time. Revisions have been incorporated to address new state regulatory requirements, new program implementation, and state of the art industry developments. The Plan was developed through the cooperative efforts of R.W.Beck, Inc., the Solid Waste Advisory Committee and the County; with input from Municipalities.

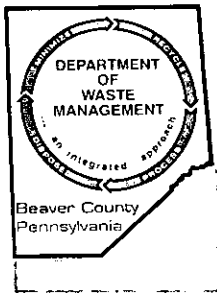
This Plan was developed in accordance with Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act. It allows Beaver County Municipalities to have flexibility in the implementation of waste management activities, while providing guaranteed disposal capacity, a sound waste management program and compliance with pertinent Pennsylvania regulatory criteria. The Plan, after incorporation of applicable comments, will be submitted to the Board of County Commissioners for adoption as the 2004 Beaver County Municipal Solid Waste Management Plan.

If further information is required, please contact this Department at (724) 843-9450. Any comments, you may have, must be submitted in writing with specific reference to applicable Plan Section. Comments must be received by this Department within thirty (30) days of the date of this letter.

Enclosure

cc: Board of Commissioners
S.Svitek / S.Sales - PA-DEP Regional
MSW Advisory Committee Members
K.Luken - R.W.Beck, Inc.





**BEAVER COUNTY
DEPARTMENT OF
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469 Constitution Blvd.
New Brighton, PA 15066

DIRECTOR
CHARLES J. RAABE



**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

DATE: October 6, 2004

TO: PA-Department of Environmental Protection
Sharon Svitek / Steven Sales

FROM: Charles J. Raabe, Director

REF: Beaver County Municipal Solid Waste Management Plan
- 2004 FINAL PLAN

Attached herewith are three (3) amendments to the 2004 Final Draft submitted to you for review and approval.

With the attachments incorporated into the **APPENDIX F - SOLID WASTE ADVISORY COMMITTEE MEMBERSHIP, MINUTES**, of the Final Draft, the Plan is now complete and approved by both the Advisory Committee and the Board of Commissioners.

Once you have had the opportunity to review the Plan in its entirety, please forward an approval letter to this Department, accepting the MSW Plan and we will forward all necessary amendments to all Municipalities.

Thank you for your cooperation in this Plan Revision effort. If further action is required, please do not hesitate to contact this office.

Attachments

CJR/ds





**BEAVER COUNTY
DEPARTMENT OF
WASTE MANAGEMENT**

Department Office 724.843.9450
Recycling Center 724.843.2868
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Web Site <http://co.beaver.pa.us/recycle>

469 Constitution Blvd.
New Brighton, PA 15066

January 30, 2005

DIRECTOR
CHARLES J. RAABE

PA-Department of Environmental Protection
Bureau of Land Recycling and Waste Management
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222-4745

**COUNTY
COMMISSIONERS**
DAN DONATELLA,
Chairman
JOE SPANIK
CHARLES A. CAMP

ATT: Ms. Sharon Svitek

REF: Beaver County Municipal Solid Waste Management Plan
- 2004 FINAL PLAN

Dear Ms. Svitek:

Enclosed find a hard copy of the referenced 2004- Final Plan for Departmental use. The following sequence of actions was completed, and a copy of the associated documentation is attached:

- A MSW Advisory Committee was selected and convened numerous times during the plan development to provide review and input. (Refer to Appendix F - Solid Waste Advisory Committee for meeting minutes and dates.)
- After working closely with RWBeck and the Solid Waste Advisory Committee for some time, the Final Draft Plan was completed.
- The Final Draft Plan was then submitted to all County municipalities, and the Board of Commissioners for review and comment. (Refer to transmittal letter of June 22, 2004 attached.)
- At the end of the 30-day Municipal review period, having no comments, the Plan was submitted to the MSW Advisory Committee for final acceptance via our July 14, 2004 transmittal letter.
- Upon the MSW Advisory Committee's August 26, 2004 acceptance of the Final Draft, the Plan was submitted to the Board of Commissioners for adoption. The Plan was adopted by the Board of Commissioners via Resolution Number 090904-21, on September 9, 2004. (Refer to Resolution Number 090904-21 and Meeting Minutes attached herewith.)



The final supplements and revisions are herewith submitted for your inclusion into the Final Draft already in your possession. This method of finalization is being utilized to meet the intent of the Plan's 3-ring binder design, in order to minimize hard copy regeneration for the Final 2004 Plan. An electronic version of the Plan and all final executed Plan documents will be submitted to the department within one year.

I would like to take this opportunity to thank the Department for their cooperation and assistance in this effort and advise that this office is available at your convenience to provide further information or clarification as may be required.

Respectfully submitted,



Charles J. Raabe, Director

Attachments

cc: Board of Commissioners
Mr. Stephen Sales
Karen Luken - R.W.Beck
Frank Mancini - Planning Commission

APPENDIX E

**RESOLUTION ADOPTING
BEAVER COUNTY MUNICIPAL WASTE MANAGEMENT PLAN**

RESOLUTION NO. 090904-21

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE COUNTY OF BEAVER IN THE COMMONWEALTH OF PENNSYLVANIA, ACCEPTING AND APPROVING THE BEAVER COUNTY MUNICIPAL SOLID WASTE MANAGEMENT PLAN FOR 2004-2014, THROUGH THE BEAVER COUNTY DEPARTMENT OF WASTE MANAGEMENT, PURSUANT TO THE REQUIREMENTS UNDER ACT 101, THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT OF 1988;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the County of Beaver, a fourth class county under the laws of the Commonwealth of Pennsylvania, AND IT IS HEREBY RESOLVED:

1. That, pursuant the recommendation of Charles J. Raabe, Director of the Department of Waste Management, the Resolution accepting and approving the Beaver County Municipal Solid Waste Management Plan for 2004-2014, through the Beaver County Department of Waste Management, pursuant to the requirements under Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, a copy of which is attached hereto and made a part thereof, is hereby approved.

2. That the Board of Commissioners, for and on behalf of the County of Beaver, is hereby authorized to execute one duplicate counterparts of the instant Resolution and the Chief Clerk is hereby directed to attest the due execution thereof and to affix the Seal of the County of Beaver thereto.

3. That, following proper execution, attestation and ensealing of said duplicate counterparts of said Resolution, the Chief Clerk is hereby directed to cause delivery as follows: The original to the Controller of the County of Beaver.

Adopted this 9th day of September, 2004.

(SEAL)

ATTEST:

Joann J. Clarke
Chief Clerk

Approved As To Legal Form:
[Signature]
County Solicitor's Office

BOARD OF COMMISSIONERS
COUNTY OF BEAVER:

[Signature]
Dan Donatella, Chairman

[Signature]
Joe Spanik

[Signature]
Charles A. Camp

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

Plan Approval
Municipal Waste Management Plan Revision dated 2004
for Beaver County

Date issued: February 24, 2005

Under the provisions of the Municipal Waste Planning, Recycling and Waste Reduction Act, Act of July 28, 1988, P.L. 556, 53 P.S. §§ 4000.101 - 4000.1904 (the Act), the Beaver County Municipal Waste Management Plan Revision of 2004 is hereby approved. Beaver County is authorized to implement the approved plan revision and execute ordinances, contracts or other requirements necessary to implement the plan revision.

This plan approval is subject to modification, amendment and supplement by the Department of Environmental Protection (DEP). This approval is further subject to rescission by DEP for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this plan approval and the provisions set forth in the approved plan revision (which is made a part hereof), or for causing any condition inimical to the public health, safety or welfare.



Regional Solid Waste Manager
FOR THE DEPARTMENT OF
ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

Municipal Waste Management Plan Approval

County: Beaver

Date Issued: February 24, 2005

Plan Approval Conditions

1. The County shall implement its plan, as revised by the plan revision received by DEP on February 7, 2005, with additional information received by written correspondence dated January 30, 2005. Executed implementing documents shall be submitted to DEP within one year of this plan approval in accordance with Section 513 of the Act.
2. The County may not act in a manner contrary to the approved plan revision or otherwise fail to act in a manner consistent with the approved plan revision.
3. This plan approval is conditioned upon the requirement to submit an adopted revised plan at least three years prior to the time all remaining available permitted capacity for the County will be exhausted or at least three years prior to the expiration of the term of the County's approved plan, or when otherwise required by DEP. Each year the County will examine the remaining capacity available to the County.
4. The County will ensure adequate disposal capacity is available to them for the entire period of the plan.