



Solid Waste Management Plan



Revised for the
2014 – 2024 Planning Period
Adopted September 17, 2015

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Resolution

No. 15-18

WHEREAS, the County Commissioners of Allegany County, Maryland, are required by Act of Legislature of the State of Maryland to prepare and update a Solid Waste Management Plan in accordance with Title 9, Subtitle 5, of the Environmental Article of the Annotate Code of Maryland; and

WHEREAS, the County Commissioners of Allegany County did previously cause and update of the Solid Waste Management Plan to be prepare and subject to public hearing and subsequently adopted by appropriate action of the County Commissioners of Alley County on September 17, 2015; and

WHEREAS, the County Commissioners of Allegany County desire to again amend Solid Waste Management Plan; and

WHEREAS, the County Commissioners of Allegany did in accordance with the prescribe procedures advertise and hold a public here to amend said plan on August 20, 2015.

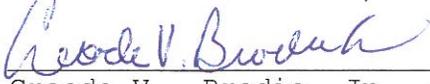
NOW, THEREFORE, BE IT RESOLVED AND ORDAINED that the County Commissioners of Allegany in accordance with the requirements of Title 9, Subtitle 5, Environmental article of the Annotated Code of Maryland, by proper motion and seconded in public meeting on September 17, 2015 do hereby adopt the Updated 2014 - 2024 Solid Waste Management Plan of Allegany County and direct the copies of is Resolution and copies of the 2014 - 2024 Soils Waste Management Plan be made part of the minutes of heir regular meeting on September 17, 2015.

ADOPTED by the County Commissioners of Allegany County, Maryland on September 17, 2015.

County Commissioners of Allegany County, Maryland



William R. Valentine, President



Creade V. Brodie, Jr., Commissioner



Jacob C. Shade, Commissioner

ATTEST:



David A. Eberly, County Administrator



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Larry Hogan
Governor

Ben Grumbles
Secretary

Boyd Rutherford
Lieutenant Governor

November 23, 2015

Mr. Paul F. Kahl, P.E., Director
Allegany County Department of Public Works
701 Kelly Road, Suite 300
Cumberland, MD 21502

Dear Mr. Kahl:

The Maryland Department of the Environment (the "Department") has completed its review of Allegany County's Resolution No. 15-18 for the revision of the County's 2014-2024 Solid Waste Management Plan (the "Plan"). The Plan was revised to include amendments regarding a recycling rate change to 20%, the County's Apartment Buildings and Condominiums Recycling Program, and the Special Event Recycling Plan. Also, the resolution included the changes to the Plan that the Department recommended to the County via a letter on June 16, 2014.

The Allegany County Commissioners adopted the Plan amendments on September 17, 2015 and submitted the Plan to the Department for its review and approval in response to the requirements of Sections 9-503(b) and (c) of the Environment Article, Annotated Code of Maryland. The Department received the adopted revised Plan on September 21, 2015.

Based on this review, the Department has determined that the adopted resolution satisfies the requirements of Section 9-505(a)(19) of the Environment Article, Annotated Code of Maryland, and Section 9-1703 of the Environment Article, Annotated Code of Maryland. The resolution also satisfies the requirements of Code of Maryland Regulations 26.03.03. In accordance with Section 9-507(a) of the Environment Article, Annotated Code of Maryland, the Plan is approved.

Thank you for your continuing interest and cooperation in providing sound and long-term solid waste management planning for the County. If you have questions on these matters, please contact Mr. A.Hussain Alhija, Program Manager, Resource Management Program, at 410-537-3314, or hussain.alhija@maryland.gov, or you may contact me at 410-537-3304.

Sincerely,

Hilary Miller, Acting Director
Land Management Administration

cc: Siera Wigfield, Allegany County Recycling Coordinator
A.Hussain Alhija

ALLEGANY COUNTY SOLID WASTE MANAGEMENT PLAN
INTRODUCTION

On December 19, 1996, the Board of Commissioners of Allegany County, Maryland established the Allegany County Solid Waste Management Board to serve as an advisory body on matters pertaining to solid waste disposal and recycling, and to prepare updates of the County's Solid Waste Management Plan. As currently constituted, the Solid Waste Management Board members (Representatives and their designated Alternates) are listed at the end of this Introduction.

The Solid Waste Management Board participated in preparation of the 2000, 2004, 2010, and 2014 Updates as part of the Board's regular monthly meetings. The 2014 Revision was prepared by the County Department of Public Works and reviewed by the Board. Subsequently, the Board approved a draft report for submission to the County Commissioners.

The Plan update continues to follow the MDE guidelines per "Title 26, Maryland Department of the Environment, Subtitle 03, Water Supply, Sewerage, Solid Waste and Pollution Control Planning and Funding - Chapter 03, Development of County Comprehensive Solid Waste Management Plans." Environment Article: Title 9, Subtitle 5, Annotated Code of Maryland.

A synopsis of key issues as presented to the County Commissioners follows:

(A) Items not changed:

- (1) Reduce, Reuse, Recycle/Compost, and Landfill hierarchy in waste disposal.
- (2) 2. Acknowledgement that a properly sited and permitted Land Clearing Landfill and/or Solid Waste Transfer Station, be it privately- or publicly-owned, is not inconsistent with the County's Solid Waste Management Plan.
- (3) Recommended expansion of Mountainview Landfill when the current active cell is completed (now estimated for 2022) over the construction of a new landfill or solid waste transfer station as discussed in Analysis of Future Solid Waste Disposal Options, prepared by ACDPW in October 2007. This resulted in Allegany County entering

into a 20-year contract with Mountainview Landfill for the period 2013-2033.

(B) Items Added or Changed

- (1) In 2012, the State of Maryland enacted House Bill 929 which includes the requirement that counties with less than 150,000 in population (Allegany County) achieve a 20% recycling rate by December 15, 2015. Allegany County previously set a goal of 25% recycling by the Year 2000, which was met in 2002. Allegany County is currently recycling approximately 30% of waste and expects to continue to exceed the State mandated 20% rate through the 10-year planning period addressed in this Plan.
- (2) In 2012, the State of Maryland enacted House Bill 1 which includes a requirement that owners of apartment buildings and condominiums with 10 or more dwelling units provide for collection and removal of recyclables by October 1, 2014. Each County must revise its recycling plan to include this requirement. An Apartment Building and Condominium Recycling Program has been included in Chapter V of this Plan.
- (3) In 2014, The State of Maryland enacted Senate Bill 781 which includes requirements that organizers of special events meeting certain criteria must provide recycling receptacles adjacent to each trash receptacle. Each County must revise its recycling plan to include this requirement. A Special Event Recycling Program (SERP) has been included in Chapter V of this Plan.
- (4) A comprehensive analysis of solid waste and recycling program costs for FY 2012 is included in Appendix I. That analysis indicates the County spent \$124.00 per ton to operate its refuse disposal sites for municipal solid waste compared to \$94.00 per ton for its recycling program.

(C) Key Recommendations

- (1) The current \$0.75 per bag fee for use of the residential refuse disposal sites should be increased as it offsets only about 44% of the \$394K current (FY 2012) annual cost to provide this service. (See Appendix I)

- (2) A consolidation of recycling collection sites, which was approved by the County Commissioners in May 2012, should be implemented to collect a more comprehensive suite of materials at each site, better secure sites to minimize contamination and theft, and maximize availability and participation.
- (3) Allegany County should establish a satellite composting site for yard material at Mountainview landfill or western end of the County.
- (4) The installation of compactors at the three eastern-most Green Box Refuse Disposal sites is recommended, perhaps using a lease/purchase financing option.
- (5) In the absence of state grant funding, Allegany County should sponsor annual or biennial fee-based citizen scrap tire collections.
- (6) As waste is currently being exported from the County for out-of-County disposal, the County Commissioners should pass local legislation requiring that a recycling fee be collected on all non-recycled, disposal bound waste generated in Allegany County regardless of the location of the facility in which it is ultimately disposed.
- (7) The per ton "host fee" that Allegany County now collects on out-of-county waste landfilled in Mountainview Landfill should be applied to the County's recycling program.
- (8) The County should implement a licensing procedure with minimum qualifications for collectors/haulers of commercial and municipal solid waste and recyclables in Allegany County (see Appendix H).
- (9) The County Zoning Ordinance and building permit process should be revised to address the following issues:
 - a. Requirement that the building permit application process for all new commercial, industrial, institutional, and multi-family development require the applicant to complete a Construction Site Waste Management Statement to identify the proposed waste collection location, both during and after construction,

and any recycling facilities and/or recycling activities planned for the development.

- b. Requirement that all new commercial and industrial development include for the proper allowance and storage of wastes and recyclables to preclude same from becoming a contaminant or nuisance.

I would like to commend the Board members for their dedication, effectiveness, and cooperation in preparing this Update. Their voluntary work was thorough and professional. I would also acknowledge the leadership, participation, and assistance of Board member W. Stephen Young and the Allegany County Recycling Coordinator, Terry A. Bennett.

Respectfully submitted,

Woody Getz, Chair
February 2014
Allegany County Solid Waste
Management Board

ALLEGANY COUNTY SOLID WASTE MANAGEMENT BOARD MEMBERSHIP
(January 2014)

ENTITY REPRESENTED	REPRESENTATIVE	ALTERNATE
Allegany County Board of Education	Wally High	Larry Lancaster
Allegany County Government	Steve Young	Paul Kahl
Allegany County Health Department	Brian Dicken	Julie Kennell
Chamber of Commerce	Stuart Czapski	Maureen Brewer
City of Cumberland	Raquel Ketterman	Dave Curry
City of Frostburg	Tina Llewellyn	
Citizen Advocate Group (2yr term)	Larry Crossland	Sam Thrasher
Citizen at Large (2yr term)	Agnes Yount	Debbie Weisenmiller
Citizen at Large (2yr term)		Ron Hawk
Environmental Group (2yr term)	Woody Getz	
Environmental Technical (2yr term)	Stephen Guinn	Robin Paulman
Institutional (2yr term)	Robert Boyce	Lawrence Gingerich
Solid Waste Hauler / Recycler (2yr term)	Michael Carlini	Larry Stouffer
Waste Industry (2yr term)	John Wardzinski	Paul High
Industry (2yr term)	Steve Miller	Mike Lashley

CHAPTER I

GOAL AND OBJECTIVES

**ALLEGANY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHAPTER I**

(1) GOAL AND OBJECTIVES

The overall goal in the development of Allegany County's comprehensive Solid Waste Management Plan continues to be to provide a system of resource recovery and solid waste disposal which will handle the County's current and anticipated future volume of solid waste as economically as possible while ensuring that public health, safety and environment quality are protected. The County's plan acknowledges that a contract exists between Allegany County and Mountainview Landfill, Inc. of Frostburg, Maryland, a wholly-owned subsidiary of Waste Management, Inc., Houston, Texas (see Appendix A) for construction and operation of a landfill for a period of twenty years commencing with the permitting and initial acceptance of waste on February 3, 1992. The contract provided Mountainview Landfill, Inc. (formerly Chambers of Maryland, Inc.) up to 125,000 tons per year of acceptable capacity and that agreement met Allegany County's needs through the life of the contract, which expired February 1st, 2013.

The County's plan further acknowledges the County has entered a second agreement with Mountainview Landfill, Inc. for the period from February 1st, 2013 to February 1st, 2033 to provide for the continued proper disposal of nonhazardous solid waste at the landfill site. The maximum landfilling of municipal and special wastes in this County will be as follows:

Calendar years 2013-2017	135,000 tons/yr
Calendar years 2018-2022	145,000 tons/yr
Calendar years 2023-2027	155,000 tons/yr
Calendar years 2028-2032	165,000 tons/yr
Partial year 2033 (Jan 1-Feb 1)	13,750 tons

We expect that this agreement will meet Allegany County's needs through the life of the contract which expires February 1st, 2033.

In implementing this plan, the following objectives are to be pursued:

- (a) Ensure that all solid waste will be processed by such means as will effectively protect the quality of the ambient air, groundwater, and surface water resources and to minimize the possibility of pollution from the handling and disposal of solid waste.
- (b) Accommodate existing and anticipated future residential,

industrial, and commercial development in the County.

- (c) Address issues related to the handling and disposal of special and hazardous wastes including, but not limited to household hazardous wastes, scrap tires, used oil and filters, anti-freeze, junk vehicles, batteries, e-waste (electronics), construction materials, medical wastes, agricultural chemicals, and toxics.
- (d) Under the Reduce, Reuse, Recycle/Compost, and Landfill hierarchy, the County should maximize the recovery and utilization of both material and energy resources contained in the solid waste stream. The State's mandated goal of 20% recycling (established for 2015) has been achieved and Allegany County's own 25% goal has also been reached. Where economically feasible, the County should adopt, in cooperation with municipalities and local solid waste hauling and recycling contractors, a recycling program geared toward maintaining and improving on the 25% goal. Federal, state, and local government agencies, including educational facilities, as well as business and industry should be a part of any recycling program.
- (e) Establish educational programs intended to foster implementation of the Solid Waste Management Plan, particularly as it relates to the solid waste hierarchy of Reduce, Reuse, Recycle/Compost and Landfill.
- (f) Effectively serve existing and future land uses within the County and promote implementation of sound land use planning concepts and zoning practices.
- (g) Encourage qualified area contractors to provide solid waste management services incorporating variable rate pricing and provision(s) of recycling services.
- (h) Establish target dates for major solid waste decisions, including the opening and closing of future solid waste handling and disposal facilities.
- (i) Investigate the feasibility of single-stream collection of recyclables and curbside collection including consideration of economics, participation, and quality of collected materials.
- (j) Continue to foster discussion with surrounding jurisdictions regarding solid waste management.

- (k) Establish a second compost site for the collection and processing of yard waste in the western region of the County if constructing, permitting, and operating such a site is economically feasible.
- (l) Target construction and demolition waste for recycling to better support the LEED building process.

POLICIES FOR IMPLEMENTATION

The fiscal and environmental concerns of solid waste disposal by means of landfilling necessitates an aggressive County program to reduce, reuse, and recycle/compost as much of the County waste stream as economically feasible.

(2) COUNTY GOVERNMENT STRUCTURE

See Table I-1

(3) FEDERAL, STATE, AND LOCAL CONTROLS

The legal controls for solid waste were established as an act of Congress which resulted in the Resource Conservation and Recovery Act of 1976 (RCRA). RCRA requires that responsibilities for solid waste management be clearly delineated and calls upon the EPA to monitor state management of landfills.

Subtitle D of RCRA is the Federal law which defines the requirements for the management of non-hazardous solid waste and recycling. On October 9, 1991, EPA Subtitle D Criteria regarding Federal regulations for Municipal Solid Waste Landfills (MSWLFs) became effective. These regulations, among other things, established requirements for composite liner systems in MSWLFs, increased requirements for groundwater monitoring, and defined the requirements for financial assurance for landfill owners and operators for the closure and post-closure site maintenance and monitoring of MSWLF sites.

A summary of Federal and State laws and regulations affecting solid waste management is included in Appendix B.

The State of Maryland has agencies that are involved in a wide range of activities relating to solid waste. The Department of the Environment is the State's principal regulatory agency with respect

to solid waste management and the State's lead agency for implementation of RCRA.

Title 9, Subtitle 5, of the Environment Article of the Annotated Code of Maryland requires that each county adopt and submit to the Department of the Environment for approval, a solid waste management plan which covers a minimum 10-year planning period. This plan is to be reviewed, updated if necessary, and adopted by the governing body of the County on a triennial basis after public hearing of proposed revisions.

As a Code Home Rule County, Allegany County's Board of Commissioners is empowered to adopt local ordinances regulating solid waste and protecting the public health and safety. Among those actions which the County should continue are:

- (a) The County should utilize the Solid Waste Management Board to advise the County Commissioners on the planning, coordination, operation, and control of all solid waste management activities in Allegany County.
- (b) Hours for accepting waste at municipal waste landfills in Allegany County should be limited to 7:00 a.m. to 5:00 p.m., Monday through Friday and 7:00 a.m. to 2:00 p.m. on Saturdays, except that in the event of a County emergency necessitating access to or operation of the landfill, hours may be extended only so long as that emergency persists. If the hours for acceptance of waste are extended, within 24 hours the landfill operator shall provide to Allegany County and to the Maryland Department of the Environment written notification specifying the hours the landfill was open beyond the permitted waste acceptance hours and the nature of the emergency justifying the extended waste acceptance hours.
- (c) Truck parking on public roadways providing access to solid waste handling or disposal facilities should be prohibited during those hours when the facility is not in operation.
- (d) The disposal of yard waste material at any County landfill should be prohibited, unless there is no alternate disposal available in the County.

APPENDIX

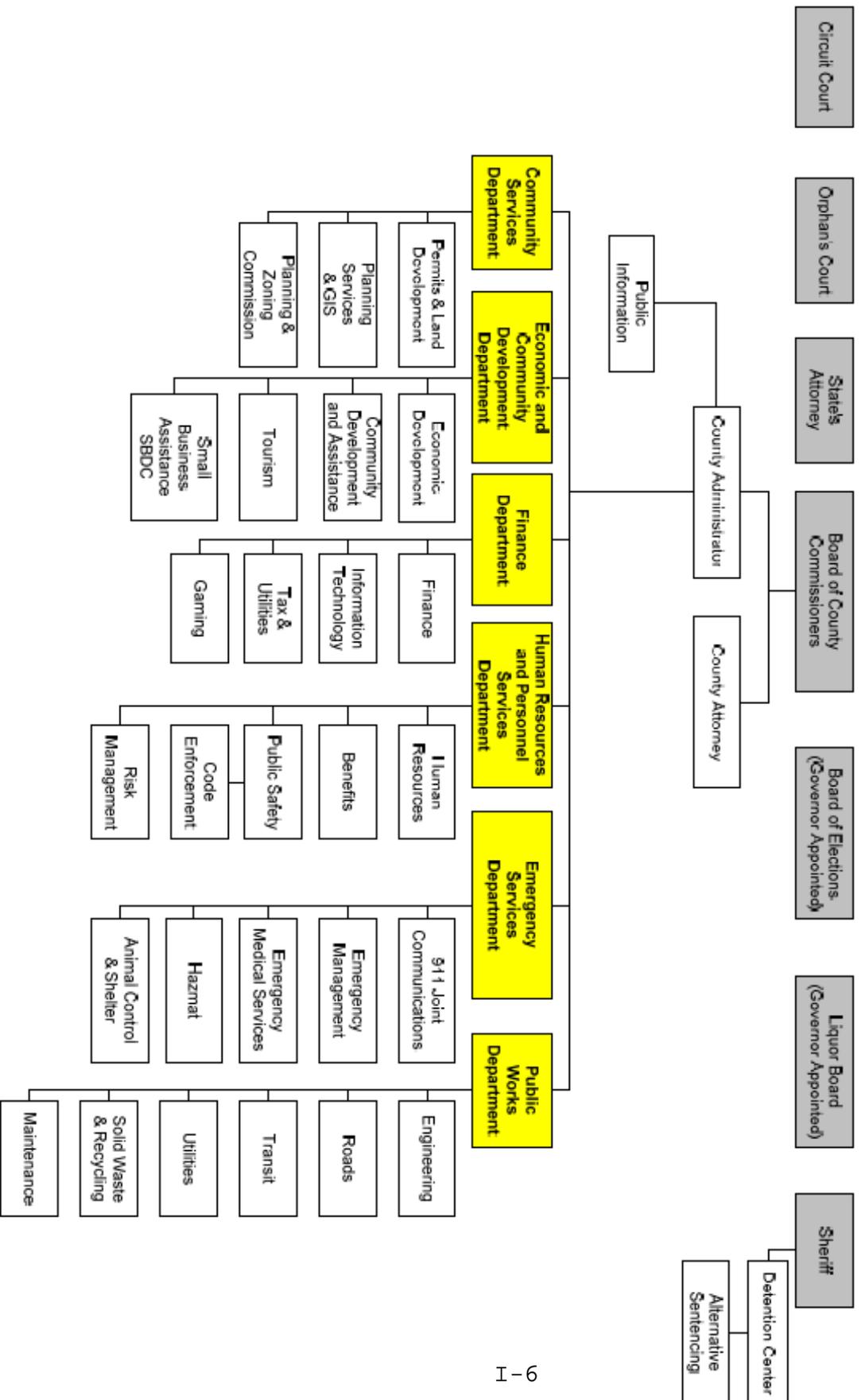
List of contact persons responsible for solid waste management in neighboring jurisdictions.

Garrett County, Maryland	Dave Baker (301)-387-0322 Department Manager of Solid Waste and Recycling 3118 Oakland Sang Run Road Oakland, MD 21550
Washington County, Maryland	Steve Zies (240)313-2790 Assistant Deputy Director of Solid Waste 12630 Earth Care Road Hagerstown, MD 21740
West Virginia Region 8	Jeff Slack (304)257-2644 Director of Solid Waste (Region 8) P.O. Box 116 Petersburg, WV 26847
Bedford County, Pennsylvania	Regina Miller (814)623-8099 Recycling Coordinator 702 West Pitt Street Suite 3 & 4 Bedford, PA 15522 Jeff Kloss (814)623-4827 Planning Director 203 South Juliana Street Bedford, PA 15522
Somerset County, Pennsylvania	John Peters (814)445-1544 Recycling/Solid Waste Coordinator 300 North Center Avenue Suite 540 Somerset, PA 15501



Allegany County, Maryland

Organization Chart 2013



Allegheny County Solid Waste Disposal Facilities

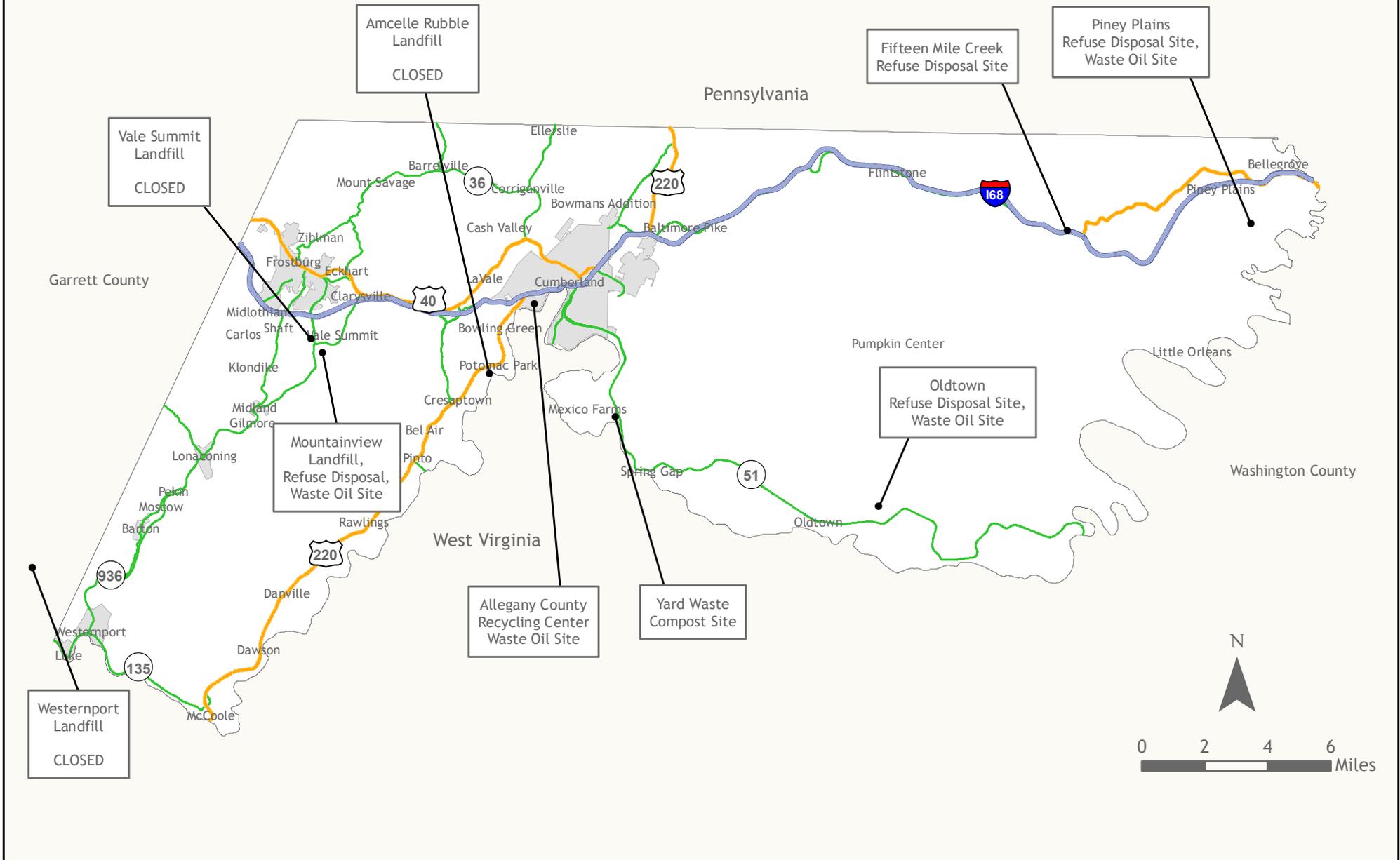


Fig. III-1

CHAPTER II

COUNTY PLANNING DATA AND REGULATIONS

**ALLEGANY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHAPTER II**

(1) POPULATION DATA AND PROJECTIONS

Allegheny County Population is forecast to remain relatively constant throughout the planning period and into the future (Table II-1). Data for years 1990 through 2010 are taken from US Census data. Population projections concur with figures provided by the Maryland Department of State Planning.

Beginning in 2012, the County initiated an effort to update its Comprehensive Plan. The boundaries and 2010 population of the eight (8) Planning Regions are displayed in Figure II-1.

(2) LOCATION OF MUNICIPALITIES AND FEDERAL FACILITIES

Figure II-2 identifies the location of all municipalities within Allegheny County, as well as the two principal Federal facilities. (This map does not include small Federal entities such as post offices, etc.)

(3) ALLEGANY COUNTY ZONING REQUIREMENTS

- (a) This Solid Waste Management Plan shall not be used to create or enforce local land use and zoning requirements.
- (b) The current Allegheny County Zoning Ordinance was revised to reflect the information contained in the 2002 Comprehensive Plan Update. This Code was adopted by the County Commissioners on November 25, 2002. Since that time, there have been no significant amendments or revisions to the County Zoning Code. A major update of the Comprehensive Plan is currently underway and is tentatively scheduled for adoption in 2014. No alterations to existing provisions relating to Solid Waste Management Activities are anticipated or expected in that update.
- (c) Solid Waste Management Activities are identified as institutional uses in the current County Zoning Code, and are permitted in all districts, except the "R"-Residential District. Site Plan Review is required.

Landfill location is subject to Board of Appeals approval except when located in the "I"-Industrial District. Existing County Zoning Districts include: Urban Districts ("R" - Residential, "B-1" - Neighborhood Business, "B-2" - Major Business, "I" - Industrial, "G-1" - General Residential, and "G-2" - General Urban); and Nonurban Districts ("A" - Agriculture and Forestry, and "C" - Conservation). The Zoning Code that is currently under development will incorporate a similar structure, although nomenclature and labels are likely to change. In all likelihood, Solid Waste Management Activities will continue to be a permitted use in all districts except residential districts.

(4) ALLEGANY COUNTY LAND USE PLAN

- (a) The Allegany County Comprehensive Land Use Plan was originally adopted in 1965. In accordance with State regulations, an updated Land Use Plan was included as a segment of the County's 2002 Comprehensive Plan Update. That Plan includes segments on Land Use, Housing, Transportation, and Community Facilities. The Plan refers to the County Solid Waste Management Plan and relies on this document to present detailed information pertaining to the provision of solid waste services.
- (b) Table II-2 and Figure III-3 displays existing land use data as of 2010. No significant changes have occurred since that time.

Table II-1: County Population Forecast

	TOTAL
YEAR	POPULATION
1990	74,946
2000	74,930
2010	75,090
2015	75,370
2020	75,630
2025	76,400
2030	77,150
2035	77,350
2040	77,550

Figure: II-I
Sub-Regions of Allegany County

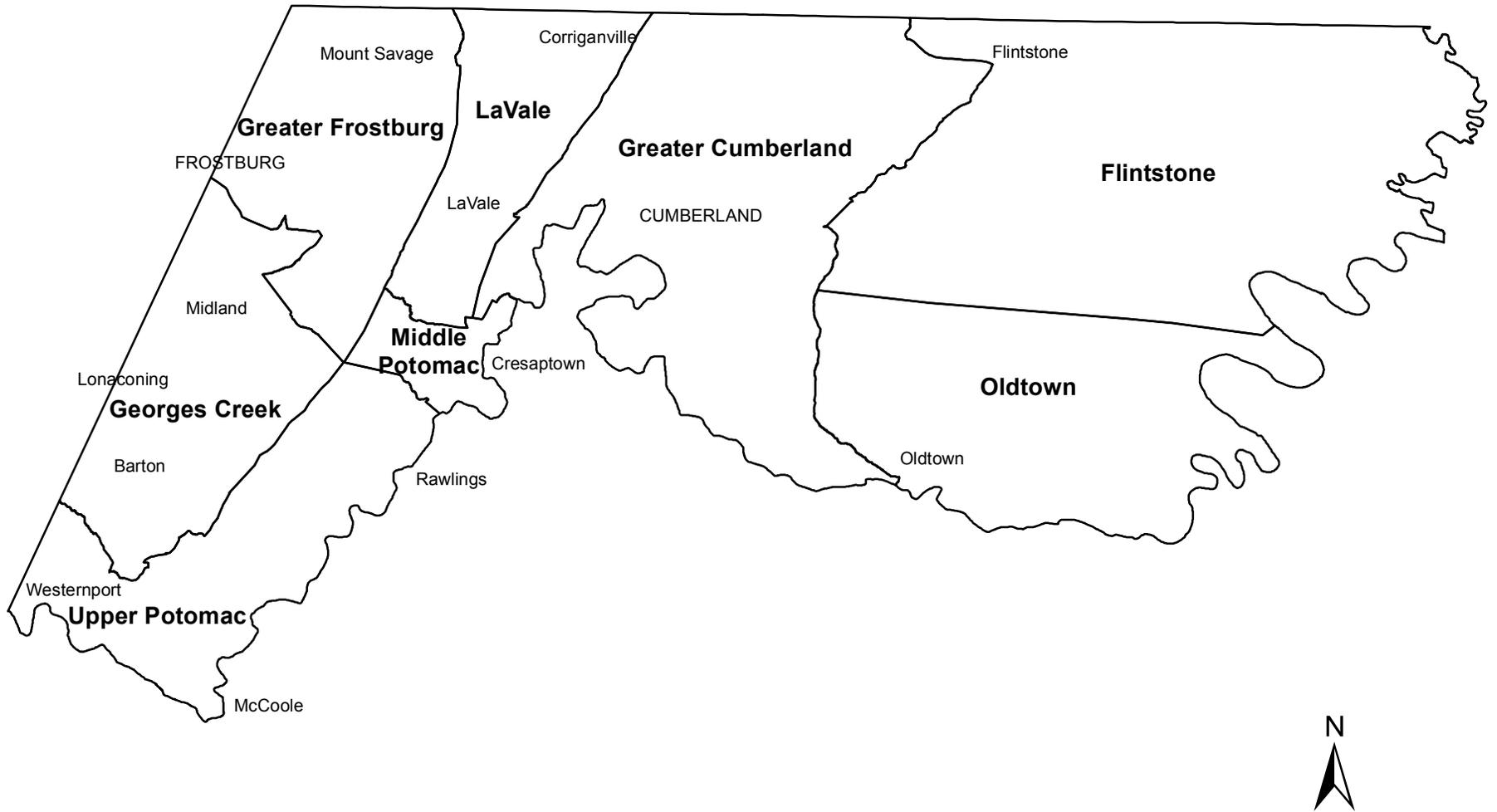


Figure II-2. Allegany County: Municipalities and Federal Facilities

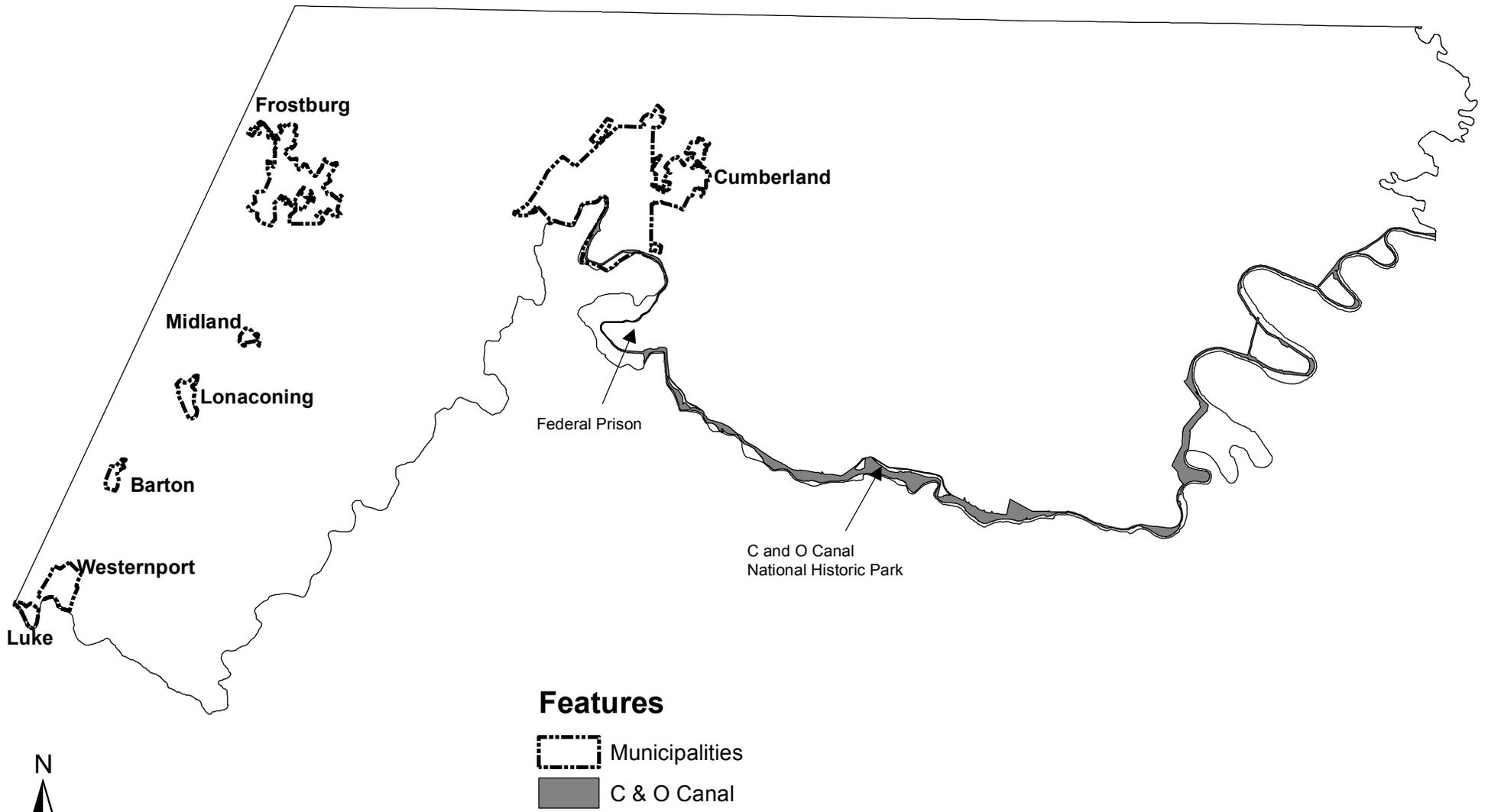
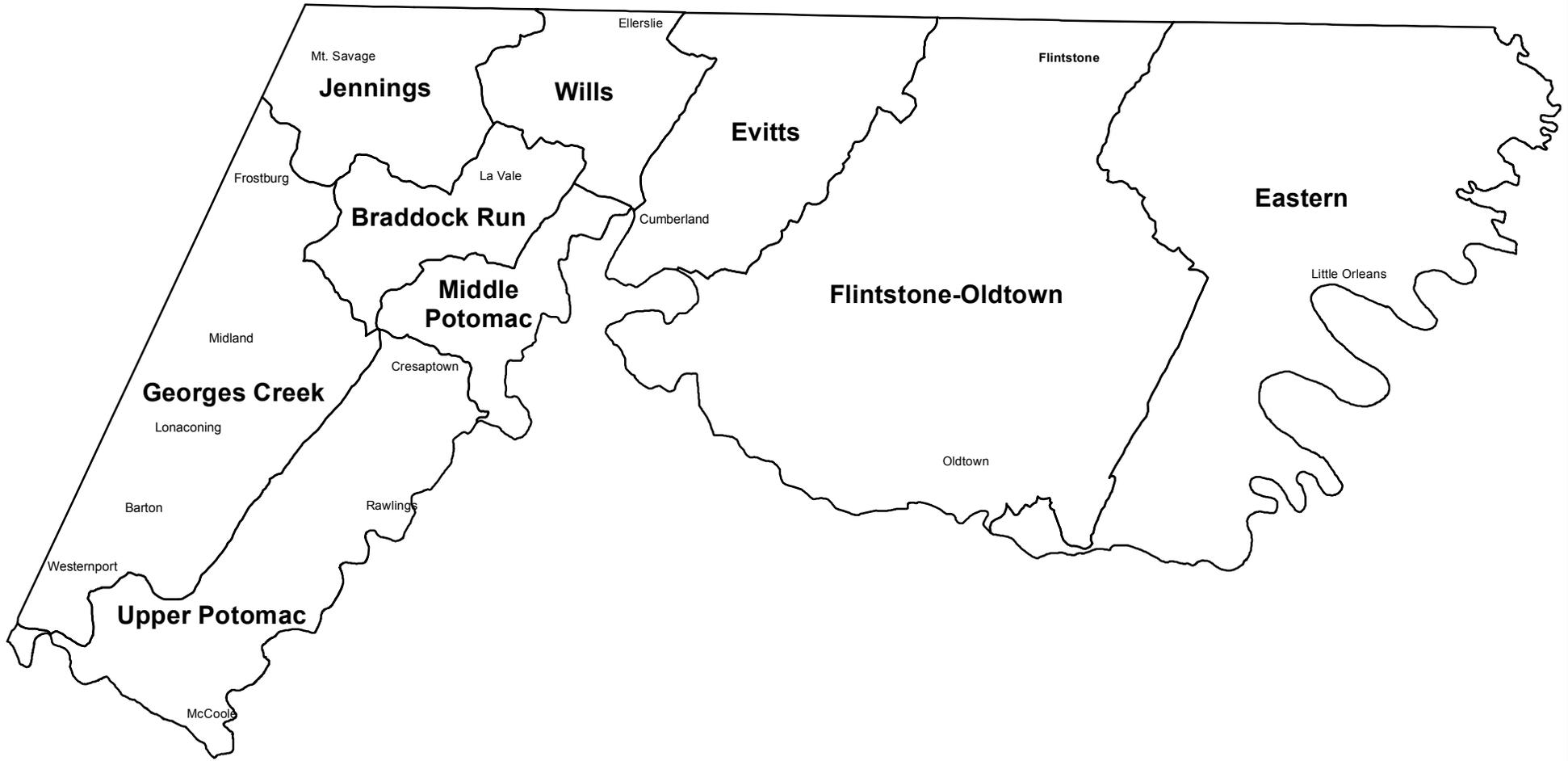


Figure II-3: Allegany County Land Use Regions



Features
□ Planning Regions



CHAPTER III

EXISTING AND PROJECTED SOLID WASTE STREAM

**ALLEGANY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHAPTER III**

(1) EXISTING AND PROJECTED SOLID WASTE STREAM

Allegany County has historically, but unofficially, served as a regional solid waste disposal area. Since the 1960's, the County's solid waste disposal facilities have served not only Allegany County but also nearby areas and communities in Garrett County, Maryland, Pennsylvania, and West Virginia. Current and projected annual waste generation for Allegany County is shown in table III-1.

The projected volume of solid waste to be generated in Allegany County over the next 5- and 10-year planning periods is also shown on Table III-1. The following factors will have an effect on the actual quantity of solid waste generated or disposed in the County and its environs:

- (a) anticipated stabilization and modest growth of a previously declining population.
- (b) the growing impact of the County's recycling efforts in reducing solid waste disposal volume.
- (c) the growth of State penal facilities located in the County
- (d) the amount of solid waste collected in Allegany County and exported to out-of-County landfills.

The volume of solid waste ultimately disposed of in Allegany County will be primarily dictated by the terms of the agreement between the County and Mountainview Landfill, Inc. (formerly Chambers Development Company). Under that agreement, Mountainview Landfill, Inc., a subsidiary of Waste Management, Inc., operates a privately-owned sanitary landfill to dispose Allegany County solid waste and may supplement that volume with out-of-County wastes. Mountainview Landfill operates under a permit from the Maryland Department of Environment and opened in February, 1992. That permit was last renewed for a five-year period in April 2011. Mountainview Landfill Inc. plans to supplement waste volumes up to the limits specified in the agreement with Allegany County (Appendix A and summarized in Chapter 1).

(2) BASIS FOR DATA

Current quantities (2012 calendar year) of solid waste generated in Allegany County have been determined from multiple sources of data including: tickets and annual tonnage reports for waste customers using the Mountainview Landfill, annual MRA reporting, and information provided by the MDE.

**TABLE III-1
ANNUAL WASTE GENERATION IN ALLEGANY COUNTY
2014-2024**

Waste Category	Annual Generation (Tons)			
	2012 Actual	2016 Estimates	2020 Estimates	2024 Estimates
MSW Residential	0			
MSW Commercial	0			
MSW Mixed (1)	24,491	35,000	35,000	35,000
Industrial (solids, liquid, etc.)	0			
Institutional (schools, hospitals, etc.)	0			
Demolition Debris (rubble)	9,849	10,000	10,000	10,000
Land Clearing				
Controlled Hazardous Substance (CHS)	0			
Dead Animals	0			
Bulky or Special Waste	0			
Vehicle Tires (2)	0			
Wastewater Treatment Plant Sludges (4)	2,758	3000	3000	3000
Special Medical Waste	27	30	30	30
Asbestos	22	23	23	23
Waste Disposed Out-of-State Reported by County on MRA Report (5)	42,007	32,000	32000	32000
Total MRA & NON MRE Waste Disposed	79,154	80,000	80,000	80,000
Total MRA and NON MRA Recyclables	530,986	531,000	531,000	531,000
Total Waste Generated	610,140	611,000	611,000	611,000

- (1) Includes Oldtown, Flintstone, Little Orleans and Mountainview Landfill Refuse Disposal Sites.
- (2) Disposal of tires in a landfill is now prohibited.
- (3) Allegany County sewage sludge does not count against 125,000 ton cap. Also includes Cumberland sludge disposal.
- (4) Includes reduced cost flood purchase demolitions and community clean-ups debris. Does not count against 125,000 ton cap.
- (5) After 2007, waste volumes decreased as a result of diversion of solid waste from Mountainview Landfill in Allegany County, MD to Mostoller Landfill in Somerset County, PA (see chart in Section (3)(b) of this Chapter).

(3) SOLID WASTE ENTERING AND LEAVING ALLEGANY COUNTY

(a) Solid Waste Entering Allegany County

Because of the regional nature of its solid waste facilities, Allegany County has historically been subject to an inflow of solid waste from outside its borders. Historically, the most significant sources of waste entering the County come from the following contributors:

- (a) Town of Ridgeley, West Virginia
- (b) Town of Piedmont, West Virginia
- (c) ATK (formerly Allegany Ballistics Laboratory)
Rocket Center, West Virginia
- (d) Romney, WV

Mountainview Landfill accepts non-hazardous municipal solid waste and construction demolition from areas outside Allegany County. Under an agreement with the County, the volume of out-of-County waste allowed to be accepted is the difference between the County waste stream and the annual cap as detailed in the agreement between Allegany County and Mountainview Landfill, Inc. (Appendix A and summarized in Chapter 1).

Reported quantities of solid waste entering the County are:

Calendar Year	Waste Entering Allegany County (tons)
1998	48,506
1999	50,551
2000	47,293
2001	42,460
2002	50,998
2003	88,400
2004	46,210
2005	35,881
2006	55,948
2007	55,689
2008	50,291
2009	41,465
2010	21,627
2011	30,876
2012	43,843

(b) Solid Waste Leaving Allegany County

Historically, minimal quantities of municipal solid waste which are generated in Allegany County are believed to be disposed of outside of Allegany County. It is felt that undefined quantities of rubble may be leaving the County for disposal in Pennsylvania or West Virginia in lieu of paying for disposal at Mountainview Landfill.

Beginning in 2007, a major waste hauler in the county, Howell Trucking, began hauling waste to Mostoller Landfill in Somerset County, PA and was acquired by Interstate Waste Services (Owner of Mostoller Landfill) in 2009. Advanced Disposal (formerly Interstate Waste Services) now collects solid waste in Allegany County, a majority of which is transported for disposal at the Mostoller Landfill.

Reported quantities of MSW leaving the county for disposal are:

Calendar Year	Waste Leaving Allegany County (tons)
2007	10,750
2008	18,174
2009	29,376
2010	44,394
2011	40,357
2012	41,911

Non-MRA (Maryland Recycling Act) solid wastes currently leaving Allegany County include the following items and estimated quantities:

Recycled scrap metal (Cu, Al, Brass & Misc. Ferrous)	Quantity Unknown
Flyash (Westvaco private fill)	60,000 tons/year
Scrap Tires (to cement kilns)	156 tons/year (2008)
Wastewater sludge (Westvaco)	30,000 tons/year
Household hazardous waste	2-3 tons/year*
Water treatment residuals (Cumberland)	500 tons/year
Sewage Sludge (Cumberland)	2,500 tons/year

*Based on HHW Collection Day Results

Quantities generated from recycling activities, except compost, also currently leave the County. Tonnages in recent years of the County program are:

Calendar Year	Total MRA Recyclables (tons)	Compost (tons)	MRA Recyclables Leaving County (tons)
1998	11,042	2,510	8,532
1999	10,815	2,320	8,495
2000	15,289	2,731	12,558
2001	15,874	2,828	13,046
2002	19,343	2,300	17,043
2003	20,578	5,658	14,920
2004	21,268	2,267	19,001
2005	22,469	2,618	19,851
2006	24,686	3,197	21,489
2007	23,620	2,784	20,836
2008	25,122	2,600	22,522
2009	25,954	2,352	23,602
2010	21,923	3,461	18,462
2011	29,036	2,916	26,120
2012	29,551	3,174	26,377

(4) EXISTING SOLID WASTE COLLECTION SYSTEMS

There is no County-provided solid waste curbside collection system in Allegany County. The following is a list of the methods of solid waste collection employed throughout the County and its environs.

<u>Type of Collection</u>	<u>Area Served</u>
Municipal (self-served)	Frostburg, Luke
Municipal (commercial contract)	Cumberland, Barton, Westernport
State Facilities (self-served)	Frostburg State University, Rocky Gap State Park
Subscription Service	LaVale, Lonaconing, Midland, All others

Although Allegany County does not regulate or license solid waste haulers, the following is a list of the larger commercial solid waste collection firms, known to be operating in Allegany County as of the publication date of this plan:

Advanced Disposal (formerly Interstate Waste Services, LLC)
United Disposal Service
Reese's Sanitation
J&D Hauling
Burgmeier's Hauling Inc.

(5) EXISTING SOLID WASTE ACCEPTANCE FACILITIES

Allegany County solid waste is currently accepted at three (3) refuse disposal sites and one private landfill. In addition, there are four (4) sites for disposal of used motor oil. The County has contracted for the placement and hauling of recycling drop boxes from twelve (12) sites and has established a yard material composting site.

(a) Mountainview Landfill

On February 8, 1991, the Chambers Development Company was granted a permit for construction of a commercial 39.9 acre sanitary landfill located along Maryland Route 36 approximately two miles south of Frostburg. Said permit (No. 90-01-04-08A) was valid for a five-year period.

The Mountainview Landfill opened for operation on February 3, 1992. It is a fully-privatized, commercial operation. In April 2011, Mountainview Landfill, Inc. (formerly Chambers Development Company) was issued its latest sequential five-year renewal permit for the landfill. Mountainview Landfill, Inc. is responsible for landfill planning, design, construction, operation, closure and post-closure monitoring.

Details on the Mountainview Landfill are as follows:

Maryland Grid Coordinates: N 713,920, E 774,817 (1983 datum)
 Size: 39.9 acres permitted (500 acre tract)
 Solid Waste Accepted: Non-hazardous solid waste
 Ownership: Mountainview Landfill, Inc. wholly
 Owned subsidiary of Waste
 Management, Inc.)
 Permit Status: Permit No. 2011-WMF-0010
 Issued 3/2011
 Capacity used in 2012(2.89%)
 Capacity used to date 80.5% as of 12/31/2012
 Anticipated Years of Service Life: 9 years (until January 2022)

As part of the December 2008 agreement between Mountainview Landfill and Allegany County (Appendix A), Mountainview agrees to make its best efforts to engineer, permit, and construct an expanded landfill adjacent to the current landfill. This will provide waste disposal capacity under the agreement after space in the current landfill is exhausted.

Annual Landfill Total Tonnages (Mountainview Landfill)

See (4), (5), (6) on Table III-1

Calendar Year	Waste Landfilled at Mountainview Landfill (tons)
1998	130,854
1999	127,127
2000	126,089
2001	116,429
2002	122,722
2003	166,767
2004	125,983
2005	112,915
2006	132,584
2007	120,686
2008	107,363
2009	76,285
2010	60,678
2011	65,444
2012	80,991

TIPPING FEES

Historical tipping fees at Mountainview Landfill are:

Fiscal Year	County MSW (\$/ton) (1)	County CD (\$/ton) (1)	Out of County MSW (\$/ton)	Out of County CD (\$/ton)	Scrap Tires (car/truck, \$ each)
1993	31.00	51.00	42.00	55.00	-
1994	31.90	51.00	42.00	55.00	-
1995	32.83	51.00	42.00	55.00	2.00/5.00
1996	34.10	51.00	42.00	55.00	2.00/5.00
1997	35.10	51.00	42.00	55.00	2.00/5.00
1998	36.10	51.00	42.00	55.00	2.00/5.00
1999	37.10	51.00	42.00	55.00	2.00/5.00
2000	37.60	51.50	42.00	55.00	2.00/5.00
2001	38.60	51.50	42.00	55.00	2.00/5.00
2002	39.50	51.50	42.00	55.00	2.00/5.00
2003	40.00 (2)	51.50	42.00	55.00	2.00/5.00
2004	40.00 (2)	51.50	42.00	55.00	2.00/5.00
2005	41.00 (2)	52.50	43.00	56.00	2.00/5.00
2006	41.00 (2)	52.50	43.00	56.00	3.00/6.00
2007	42.00 (2)	53.50	44.00	57.00	3.00/6.00
2008	43.00 (2)	54.50	45.00	58.00	3.00/6.00
2009	44.29 (2)	56.13	46.35	59.74	6.00/10.00
2010	44.29 (2)	56.13	46.35	59.74	(3)
2011	44.29 (2)	56.13	46.35	59.74	(3)
2012	45.40 (2)	57.53	46.35	59.74	(3)
2013	46.75 (2)	57.75	48.75	59.75	(3)

Note: Minimum Charge per category is \$27.18

- (1) Includes a \$1.00 per ton recycling fee surcharge collected for Allegany County from 1992 to 1999; a \$1.50 per ton recycling fee beginning in FY 2000.
- (2) An additional fuel surcharge has been assessed beginning August 2003.
- (3) As of March 2010, scrap tires are no longer accepted at the Mountainview Landfill. Scrap tires may be disposed of at various local businesses for a nominal cost. More information may be found in Section 6(e) of this chapter.
- (4) As of the date of this publication, an environmental fee of ~4% is added to the tipping fee.

Prior to February, 1998, Allegany County residents could dispose three (3) bags of trash "free of charge" at the Mountainview Landfill and at three (3) other refuse disposal sites. In February 1998, the County enacted a \$0.25 per trash bag or can fee. That fee was raised to \$0.50 per trash bag or can in May 2002 and then to \$0.75 in January 2012. The County pays for the hauling and tipping fee costs for disposal of this waste. The tag fee revenue in Fiscal Year 2012 offsets about 44% of the \$393,667 cost for this service (See Appendix I).

(b) Refuse Disposal Sites

Currently, Allegany County maintains four (4) Refuse Disposal sites (a.k.a. Green Box sites) where the public may dispose small quantities of household solid waste for a fee. These sites, along with active and closed landfill sites, are shown on the attached Figure III-1.

The County either leases the ground or has agreement to use the sites. The sites, which are attended, are serviced by a contract hauler on an as-needed basis. Site locations and number of days per week of operation are as follows: Flintstone (2) Oldtown (2) Little Orleans (1) and Mountainview Landfill (6).

Refuse Disposal Sites are located as listed below:

- Oldtown - 18622 Lower Town Creek Road,
Oldtown, MD 21555,
0.6 miles north of Maryland Route 51
- Flintstone - 26706 National Pike,
Flintstone, MD 21530,
1.0 miles west of Fifteen Mile Creek Road
- Little Orleans - 11306 Orleans Road South,
Little Orleans, MD 21766,
County Roads Garage on Orleans Road
- Mountainview Landfill - 13300 New Georges Creek Road,
Frostburg, MD 21532

(c) Rubble Fill (CLOSED)

In conjunction with construction of a new State prison (Western Correctional Institute) on U.S. Route 220 at the former Celanese plant site, Allegany County has developed the Amcelle Rubble Landfill on a former fly ash lagoon adjacent to the prison site.

Two separate disposal cells were planned; one for use by the State for disposal of buildings demolished for the prison and one for general use by Allegany County. The State cell has been filled and has the final cover in-place. A synthetic cap was installed in 2010. The County cell will not be used, in part, due to the Maryland Department of the Environment's regulations which require liners and third party checkers for active and future rubble landfills. It is felt these regulations make the use of the cell prohibitively expensive. In July 2001, the landfill property was transferred from the County to the State of Maryland.

Details on the Amcelle Rubble Landfill are as follows:

Maryland Grid Coordinates: N 708,260, E 800,200 (1983 datum)
Size: 6.3 acres
Permitted Solid Waste: Non-hazardous land clearing and demolition/construction debris, household appliances and properly packaged asbestos waste
Ownership: State of Maryland (for the Department of Public Safety and Correctional Services)
Permit Status: Permit No. 1993-WRF-0206-0
Issued: (expired July 1, 2001)
Closure Status: Groundwater monitoring system installed in 1995. Groundwater sampling occurs semi-annually and methane gas testing occurs quarterly. A five-year groundwater monitoring program will be in effect until 2015.

Capacity used in 2009 (0%)
Capacity used to date (45% as of 12/31/2009)
Anticipated Years of Service Life: None

(d) Septage Disposal

In November, 1991, a committee established by the County Commissioners developed a Septage Management Plan for Allegany County. That plan, which is incorporated into this Solid Waste Management Plan by reference, includes the following data and information.

1. Total septage collected and disposed is estimated at 580,000 gallons per year (1,600 gpd).
2. Until March 2000, ninety-five percent of the commercially collected septage in Allegany County was disposed at the Upper Potomac River Commission (UPRC) Wastewater Treatment Plant in Westernport. The remainder was disposed out-of-County either via treatment plants or land application. In March 2000, the UPRC facility stopped accepting septage. In April 2002, following completion of an upgrade project, a septage receiving station reopened at the UPRC facility.
3. The National Park Service operates a wood chip and septage research compost site near Orleans, Maryland for 15,000-18,000 gallons of septage per year collected from its facilities along the C & O Canal.
4. Disposal of grease is a problem since no sewage treatment plants will accept it. Additionally, land application has proven troublesome and commercial haulers, such as rendering plants, will only service larger grease collection facilities.

The Septage Management Plan is to receive annual review and updating by the Allegany County Health Department.

(e) Solid Waste Disposed in Other Than County Facilities

There are several identified solid waste materials that are disposed by governmental jurisdictions in locations in Allegany County other than the County landfill.

The City of Cumberland recently entered a contract with New England Fertilizer Company to operate a sludge drying facility at the Cumberland Wastewater Treatment Plant. This facility will produce a dry pelletized fertilizer product from the bio-solids generated at the plant which is then marketed for land application.

The City of Frostburg operates a coal ash disposal site for its citizens at its City maintenance facility.

(f) Inactive Solid Waste Disposal Sites

There are several inactive solid waste disposal sites in the County. A brief discussion of the larger or more notable sites follows:

1. Vale Summit (Cabin Run) Landfill **(CLOSED)**

As shown on Figure III-1, the Vale Summit Landfill was located approximately two miles south of Frostburg along Cabin Run Road. The County had maintained a landfill in this immediate vicinity since 1971.

Until 1992 the County held a permit for the landfill, but neither owned the site nor operated the landfill, which was a former and active strip mine. The Vale Summit landfill stopped accepting wastes on February 3, 1992.

Details on the Vale Summit Landfill as of its closing are as follows:

Maryland Grid Coordinates:	N 718,400, E 770,400 (1983 datum)
Size:	16 acres
Solid Waste Accepted:	Non-hazardous, non-rubble
Ownership:	Allegany Coal and Land Co.
Permit Status:	Prior permits SLF-81-01-18-07A CO-89-SWE-035
Anticipated Years of Service Life:	None-closed
Closure Status:	Final synthetic cap installed in 1994; expanded groundwater monitoring system installed in 1997 Groundwater sampling occurs semiannually and methane gas sampling occurs quarterly and will be required to continue until 2024.

2. Westernport (Moran) Landfill (**CLOSED**)

As shown on Figure III-1, the Westernport Landfill was located approximately 1.8 miles northwest of Westernport in Garrett County, Maryland. The County has maintained a landfill in this immediate vicinity since 1970.

Until 1992, the County held a permit for this landfill, but neither owned the site nor operated the landfill which was a former strip mine. The Westernport Landfill stopped accepting waste on or about February 3, 1992. Groundwater monitoring wells were installed in 1997 and a sampling program is in progress. In spring 2004, construction of a synthetic cap for the landfill was completed.

Details on the Westernport Landfill, as of its closing, are as follows:

Maryland Grid Coordinates:	N 674,000, E 727,300 (1983 datum)
Size:	11 acres
Solid Waste Accepted:	Municipal and Industrial (Westvaco)
Ownership:	Moran Coal Company, Inc.
Permit Status:	Prior permit 83-11-04-06A
Anticipated Years of Service Life:	None-Closed
Closure Status:	Final cover installed in 1994; groundwater monitoring system installed in 1997. Synthetic cap was installed in 2003. Groundwater sampling occurs semiannually and methane gas sampling occurs quarterly and will be required to continue until 2035.

3. Other Inactive Sites (**CLOSED**)

The Hoechst-Celanese Corporation is owner and responsible party for an existing solid waste dump site on the premises of the former Celanese plant along U.S. Route 220 near Cresaptown. That firm is currently working with the Maryland Department of the Environment to remediate some groundwater pollution traced to the dump site. The remedial action involves pumping the groundwater, pre-treating, and discharging the effluent into the County's Celanese Wastewater Treatment Plant for final treatment and discharge. Construction of that system was completed in January 1996.

The old City of Cumberland dump is located on Limestone Road south of the City. This site, which is now under private ownership, has had remedial work done to cover and seed an area used for dumping fly ash. The dump has been closed since 1968.

Adjacent to the old City dump on Limestone Road is an illegal dump where hazardous materials were reportedly hauled and disposed. The Environmental Protection Agency has listed this as a Superfund Site and performed extensive survey and testing work to determine the nature of any contamination emanating from the dump. Legal action has been taken against the hauler. Remedial plans called for capping the dump and providing a public water supply to area residents. The cap was installed and the water system was completed in 2000.

From 1971 to 1992, Allegany County operated sanitary landfills at three separate locations in the Frostburg area other than the site on Cabin Run Road. Those sites, which are located in the Frostburg Industrial Park (Hoffman Landfill), the south side of Cabin Run Road (Cabin Run Road Landfill) and north side of Cabin Run Road (Vale Summit II), are all inactive, closed landfills.

(6) EXISTING RECYCLING COLLECTION FACILITIES

Since July 2001, following competitive proposal processes, Allegany County entered into continuing contracts with Penn-Mar Recycling to operate the Allegany County Recycling Center. The current center is located at 975 Kelly Road, Cumberland, MD. This building is owned by Allegany County and leased to a recycler. The current three-year contract expired June 30, 2013 and Penn-Mar Recycling is operating on the first of a possible two option years. At this location, the following recyclables are collected and processed for shipping.

- (1) aluminum and steel cans
- (2) old newspaper
- (3) magazines
- (4) clear, brown, and green glass
- (5) corrugated cardboard and paperboard
- (6) office paper
- (7) white goods
- (8) used motor oil and antifreeze
- (9) #1 and #2 plastics
- (10) electronics
- (11) fluorescent light tubes
- (12) batteries

The County Recycling Center is the most comprehensive of the County's recycling collection facilities. Other facilities and activities include:

(a) Used Motor Oil Recycling Drop-Off Sites

There are numerous waste oil recycling drop-off sites available for public use in Allegany County. These sites are monitored by various public entities and the oil is collected via a contract established by the State of Maryland. Some 9036 gallons of used motor oil was collected in 2011.

Sites currently in use include:

<u>Site Name</u>	<u>Location</u>
Allegany County Recycling Center	201 Riverside Avenue, Cumberland, MD 21502
Flintstone Refuse Disposal Site	26706 National Pike Flintstone, MD 21530
Oldtown Refuse Disposal Site	18622 Lower Town Creek Road Oldtown, MD 21555
Mountainview Landfill	13300 New Georges Creek Road Frostburg, MD 21532

(b) Recycling Material Drop-Off Sites

In 1991, Allegany County leased fourteen (14) recycling drop boxes to collect aluminum and bi-metal cans, glass and newsprint. The program has expanded to include the collection of magazines and office paper. One (1) box is used as a spare for switching and repair. This lease was renewed in July 2008 for an additional three years. The County has purchased sixteen (16) additional recycling boxes. Twenty five (25) boxes are located at thirteen (13) public drop-off sites throughout the County to encourage recycling in all areas of the County. Five (5) boxes are located at public middle schools for office paper recycling. The sites are serviced by a contract hauler on an as-needed basis.

Figure III-2 shows the current locations of recycling sites. Because the location and relocation of the boxes is a dynamic situation, the current locations are not listed in this plan. The County's Recycling Office provides the publicity necessary for public awareness of the recycling box locations.

The County owns four (4) trailers for collecting flattened cardboard and six (6) trailers for collecting #1 and #2 plastic bottles and jugs. The trailers are stationed at the Mountainview Landfill, Penn-Mar Recycling, and LaVale Plaza. These trailers are hauled by County staff to the recycling center when full. These trailers can be moved around as demand requires. The County has also established an office paper recycling program for State offices, County offices, and various small businesses at the recycling center and a collection bin is located at the Mountainview Landfill. There are five (5) permanent locations for the collection of magazines. Since 1993, the County also conducts an annual telephone book recycling program with prizes for school/student participation.

(c) Curbside Recycling

Effective July 1, 2014, the city of Cumberland began offering curbside recycling to its residents via its waste hauling contract with Burgmeier Hauling

(d) Yard Material Compost Site

In April 1991, Allegany County established a low-technology yard material composting site. The site was located along U.S. Route 220 approximately three miles south of I-68 near Cresaptown on ground owned by the State of Maryland Western Correctional Institute.

Expansion of the WCI forced the County to relocate the composting site. The site is now on County-owned property located at 11700 PPG Road, Cumberland, MD, as shown on Figure III-1.

In addition to the leaves, trimmings, grass, and brush which are collected and delivered by contract haulers from their service area, there is a public drop-off area for such materials at the site. Raw compost is available free to the public. The County also provides for Christmas tree collection and mulching.

Given the success of the program, the possible placement of a satellite compost site at Mountainview Landfill near Frostburg is being considered.

Composting also offers a non-burn alternative for material recovery. It is hoped that composting both at the compost site and in residential back yards will reduce the County Health Department's need to issue over 3,000 permits per year for residents to burn brush.

Additionally, the compost created at the site is either given free of charge to County residents or sold to Grant County Mulch (of Grant County, West Virginia) where it is further processed and sold for public consumption.

(e) White Goods

County residents may recycle white goods (including goods containing Freon) at the County Recycling Center in Cumberland or other private scrap metal collection facilities. In the 2010 Recycling Agreement, under section 4(A), Penn-Mar Recycling, LLC added White Goods to the list of items collected and managed by Penn-Mar (see Appendix A).

(f) Scrap Tire Collections

In 1998 & 1999, the City of Cumberland and Allegany County participated in separate programs to collect and dispose of scrap tires. The City's program consisted of curbside collection of scrap tires while the County's program was a one-day drop-off. The estimated weight of the collection events are as follows:

Year	City of Cumberland scrap tires (tons)	Allegany County scrap tires (tons)	Total scrap tires (tons)
1998	98	177	275
1999	41	71	112
2000		25	25
2001		-	-
2002		103	103
2003		-	-
2004		72	72
2005		-	-
2006		110	110
2007		-	-
2008		88	88
2009		50	50
2010*		57	57
2011**		22	22
2012**		22	22
		Total	936

* In 2010 the County Commissioners approved a year-round County sponsored scrap tire collection day charging residents \$1.00 per tire to help offset the cost of operating the event.

** In July, 2011 the County Commissioners approved a Pilot Scrap Tire Collection Program at the remote Refuse Disposal sites; the program is still in effect as of this date. Residents are charged \$2.25 per tire to help offset the cost of the program.

As of the April 2010, the following local businesses accept scrap tires for disposal.

Business	Per tire fee (passenger vehicle only)	Phone	Notes
Mr. Tire LaVale, MD	\$3.00	301-729-2500	Call ahead regarding max quantity accepted
G&G Tire LaVale, MD	\$3.00	301-729-0752	Call ahead regarding max quantity accepted
Smitty's Tires	\$3.00	301-463-2665	No limit

(g) E-cycling

Since 2002, the County conducted e-cycling events where residents could bring televisions, computers, printers, and other electronic appliances for recycling for a modest fee. The tonnages collected at these events are as follows:

Year	E-cycled materials (tons)	Number of Collection Events
2002	17.61	2
2003	7.12	2
2004	14.67	2
2005	29.41	1
2006	8.78	4
2007	53.38	12
2008	39.02	6
2009	14.22	2
2010	48.78	2
2011	31.65	3
2012	29.09	2
Total	293.73	

Allegheny County established an electronics recycling program in 2002. Allegheny County's program accepted computers and monitors, televisions, printers, and similar devices from residents and businesses at special collection events held annually in Frostburg and Cumberland. These materials were transported to an electronics recycler at the conclusion of the event. This service was provided at nominal cost by Allegheny County.

(h.) Recycling in the Public Schools

1. It is the responsibility of the Allegheny County Commissioners (ACC) to ensure the implementation of the Public School Recycling Plan. The Allegheny County Board of Education (ACBOE) and the Allegheny College of Maryland Board of Trustees (ACMBOT) have the responsibility for developing and implementing recycling programs for their respective schools. Allegheny County Department of Public Works (ACDPW) solid waste and recycling staff will continue to provide technical support and guidance.
2. This plan is to be implemented in compliance with State law as of October 1, 2010. Public School recycling plans must be completed and programs must be operational no later than October 1st, 2010. At the time of publication of this plan, all Allegheny County Public Schools and Allegheny College of Maryland are participating in recycling programs as described in Chapter 4, (4) B. 4. Recycling in the Public Schools and summarized as follows.

A. Public School Recycling Program:

a. Allegany County Public Schools:

Due to current market and geographic limitations, there are no commercial haulers or processors available in the county for single stream recycling. To implement this plan, schools shall continue to collect and separate materials and transport them to the County Recycling Center for processing and marketing. Materials that shall be collected in the public schools include cardboard, office paper, #1 plastics, phone books, fluorescent bulbs, ferrous and non-ferrous metals, and electronics. Collection is typically performed by custodial staff at each school with materials picked up weekly and transported to the County recycling center for processing and marketing. Materials to be collected under this program will be re-evaluated periodically to ensure practicality of the program with efforts made to expand the program to include additional materials as feasible.

b. Allegany College of Maryland:

To implement this plan, ACM will continue to collect and separate materials and transport them to the County recycling center or another collection site for processing and marketing. Materials that shall be collected include cardboard, office paper, and electronics. ACM is working with Allegany County to establish a County recycling collection site on its campus; this site will also serve as a collection point for materials generated on the campus including cans, newspaper, and magazines. This collection site was established June 1st, 2011. Materials to be collected under this program will be re-evaluated periodically to ensure practicality of the program with efforts made to expand the program to include additional materials as feasible.

i. Stakeholders include the ACC and ACDPW Solid Waste Staff, ACBOE Operations staff, Allegany College of Maryland (ACM) maintenance staff. ACDPW staff will provide technical support and guidance for the public school recycling program at the request of ACBOE and ACM. ACBOE and ACM staff will be responsible for the provision of collection containers in the schools and the collection and transport of sorted materials to the County recycling center or other collection point.

ii. Public Schools involved in the recycling program include the following. As new schools are constructed, they will be added to the public school recycling program within 30 days of the start of the first academic year that the facility is open to students.

c. Elementary:

- i. Beall, 3 East College Avenue,
Frostburg, MD, 21532, 301-689-3636
- ii. Bel Air, 14401 Barton Blvd,
Cumberland, MD, 21502, 301-729-2992
- iii. Cash Valley,
10601 Cash Valley Road,
LaVale, MD 21502,
301-724-6632
- iv. Cresaptown, 13202 Sixth Avenue,
Cresaptown, MD 21502, 301-729-0212
- v. Flintstone, 22000 National Pike,
NE, Flintstone, MD 21530,
301-478-2434
- vi. Frost, 260 Shaw St,
Frostburg, MD, 21532, 301-689-5168
- vii. Georges Creek,
15600 Lower Georges Creek Road,
Lonaconing, MD 21539, 301-463-6202
- viii. John Humbird, 120 East Mary Street,
Cumberland, MD, 21502, 301-724-8842
- ix. Mount Savage,
13201 New School Road, Mount Savage, MD,
21545, 301-264-3220
- x. Northeast, 11001 Forest Avenue,
Cumberland, MD 21502, 301-724-3285
- xi. Parkside, 50 Parkside Boulevard,
LaVale, MD 21502, 301-729-0085
- xii. South Penn, 500 East Second Street,
Cumberland, MD, 21502, 301-777-1755
- xiii. West Side, 425 Paca Street,
Cumberland, MD, 21502, 301-724-0340
- xiv. Westernport, 172 Church Street,
Westernport, MD 21562, 301-359-0511

d. Middle:

- i. Braddock, 909 Holland Street,
Cumberland, MD, 21502, 301-777-7990
- ii. Mount Savage,
13201 New School Road,
Mount Savage, MD, 21545, 301-264-3220
- iii. Washington,
200 N. Massachusetts Avenue, Cumberland,
MD, 21502, 301-777-5360
- iv. Westmar,
16915 Lower Georges Creek Road,
Lonaconing, MD 21539, 301-463-5751

e. High:

- i. Allegany, 616 Sedgwick Street,
Cumberland, MD 21502, 301-777-8110
- ii. Fort Hill, 500 Greenway Ave,
Cumberland, MD 21502, 301-777-2570

- iii. Mountain Ridge,
100 Dr. Nancy S. Grasmick Lane,
Frostburg, MD, 21532, 301-689-3377
- iv. Center for Career and Technical
Education,
142111 McMullen Highway, Cresaptown, MD
21502, 301-729-6486

- f. Other:
 - i. Eckhart Alternative,
17000 National Highway SW, Frostburg, MD
21532, 301-689-3483

- g. College:
 - i. Allegany College of Maryland,
12401 Willowbrook Road SE, Cumberland,
MD 21502, 301-784-5000

B. Program implementation schedule:

Allegany County Public Schools operations staff and ACM staff currently collect and transport materials to the County recycling center on a weekly basis or as needed. This method of collection will continue at the current frequency after October 1st, 2010.

C. Program monitoring and contingencies:

ACBOE and ACM shall report annually, by March 1st each calendar year, the types and amounts of materials collected at each school during the previous calendar year to the ACDPW recycling coordinator. Following this report and at minimum annually, ACDPW solid waste and recycling staff will meet with ACBOE facilities staff and ACM staff to discuss the state of the public school recycling program. If public schools are determined to be out of compliance with the public school recycling plan, ACDPW solid waste staff will notify, within 30 days of the determination, the schools of non-compliance issues and recommended solutions. The school will then have 30 days to respond and implement corrections to the identified non-compliance issues.

(7) HOUSEHOLD HAZARDOUS WASTE COLLECTION DAYS

To date, the County has sponsored nine Household Hazardous Waste Collection Days. On designated Saturdays in 1994-1996, 1998, 2000, 2002, 2004, 2006, and 2008 residents were permitted to bring household hazardous waste (HHW) along with fluorescent light tubes, expired medicines, and dry cell batteries for reuse or recycling.

The household hazardous waste was handled and disposed by Laidlaw, Inc. (1994 and 1995) and Care Environmental Corporation (1996 through 2006), and MXI Environmental Services in 2008. The following quantities of HHW were received:

Year	Household Hazardous Waste Collected (lbs)
1994	19,500
1995	5,500
1996	8,000
1998	6,600
2000	7,930
2002	10,300
2004	9,800
2006	9,040
2008	10,650
2010	no event held
2012	no event held

The Household Hazardous Waste Days scheduled for fall 2010 and 2012 were not held due to lack of available grant funding. Household Hazardous Waste Collections will continue when funding is once again available.

Allegheny County Solid Waste Disposal Facilities

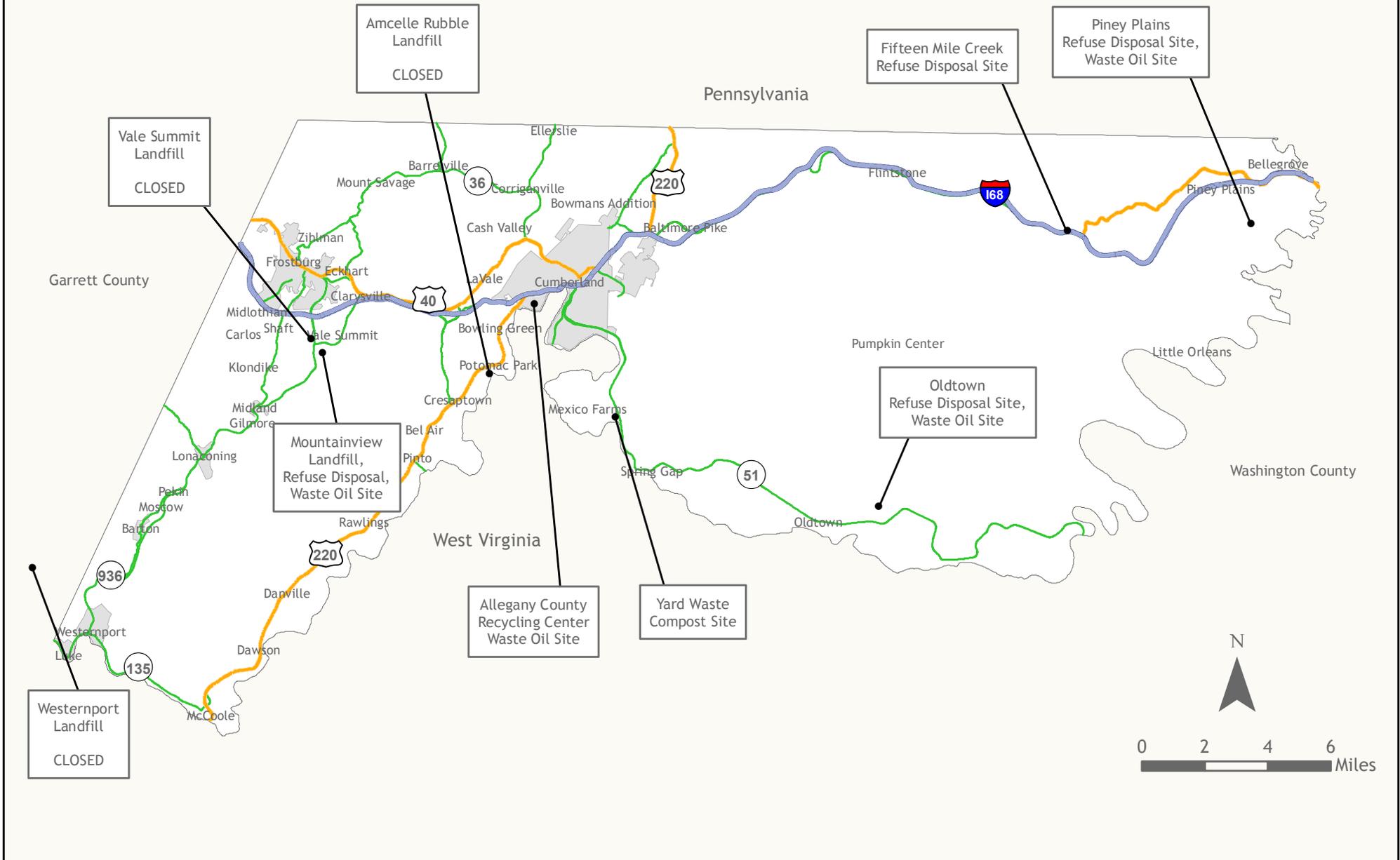


Fig. III-1

Recycling Drop Off Sites & Refuse Disposal Stations Allegany County, Maryland



Fig. III-2

CHAPTER IV

ASSESSMENT OF NEEDS

ALLEGANY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHAPTER IV

(1) and (2) AN ASSESSMENT OF ALLEGANY COUNTY'S NEED TO ALTER,
EXTEND, MODIFY OR ADD TO EXISTING SOLID WASTE
DISPOSAL SYSTEMS DURING THE NEXT TEN YEARS

(a) **Vale Summit** (Cabin Run) Landfill

The Vale Summit (Cabin Run) Landfill is located west of Maryland Route 36 and south of I-68 approximately two miles south of Frostburg. The County had maintained a landfill in this immediate area since 1971. The Vale Summit Landfill stopped accepting wastes on February 3, 1992. This site is closed in accordance with MDE regulations. A final synthetic cap was installed in 1994. Groundwater monitoring wells were installed in 1997 and a semi-annual sampling program is in progress.

ASSESSMENT: **This facility is closed** and under a post-closure program as prescribed by MDE.

(b) **Westernport** (Moran) Landfill

The Westernport (Moran) Landfill is located approximately two miles northwest of Westernport, in Garrett County. Allegany County has maintained a landfill in this immediate area since 1970. The Westernport Landfill stopped accepting waste on or about February 3, 1992.

This site is being closed in accordance with MDE regulations. A final non-synthetic cap was installed in 1994. Installation of an impermeable synthetic cap was completed in 2004. Groundwater monitoring wells were installed in 1997 and a semi-annual sampling program is in progress.

ASSESSMENT: **This facility is closed** and under a post-closure program as prescribed by MDE.

(c) Mountainview Landfill

Chambers' Mountainview Landfill, Inc. was permitted for construction on February 8, 1991. As of March 15, 1999 it became known as Mountainview Landfill, Inc. It is a commercially owned and operated landfill, located on a 500 acre site with a 39.9 acre permitted area east of Maryland Route 36, approximately three miles south of Frostburg. The operating permit is valid for 5 (five)

years and renewable thereafter. The permit was renewed for a 5-year period commencing in April 2006. Under contract to Allegany County, Mountainview may accept non-hazardous waste after securing all permits and governmental authorizations, and operate "in accordance with all standards imposed by any federal, state or local authorities" for a period of 20 (twenty) years from date of first receipt of acceptable County waste. (See Appendix A for copy of contract) The landfill began accepting municipal solid waste on February 3, 1992. A second contract is in place for the period of 2/2013 - 2/2033 (Appendix A).

The 39.9 acre site is divided into an eight (8) cell footprint. The original design envisioned the need to expand beyond this footprint in order to accommodate the 125,000 tons per year for twenty-year period provision (until 2022) in the contract with Allegany County.

In January 1998, modification of the shape of the 39.9 acre footprint, which was supported by Allegany County, was approved by MDE. This modification results in an increase in footprint capacity, which should provide adequate air space to accommodate the twenty-year contract, or slightly beyond. It is recognized that Mountainview Landfill, Inc. will utilize the entire capacity of the permitted footprint and is viewed as being in the County's best interest to fully utilize all available capacity in the 39.9 acres before developing future solid waste disposal facilities.

ASSESSMENT: Based on the current tons per year, there is enough permitted solid waste disposal capacity located in the County at the Mountainview Landfill to manage its expected in-County generated municipal solid waste through year 2022. It is firmly believed that additional adequate expansion capacity exists at Mountainview Landfill for the term of the second contract through 2033.

(d) Green Box Sites

Currently, the County maintains four refuse disposal sites which accept household solid waste in small quantities. NOTE: These refuse disposal sites also have drop boxes for household recyclables and used oil collection. See Chapter III, Section 5(b), Page III-8. These or similar operations are planned to be continued through the period, with disposal at the Mountainview Landfill site.

ASSESSMENT: Based on previously mentioned projections e.g., population, etc., the current number (4) and locations of

refuse disposal sites is adequate for the next 10 years.

(3) THE FOLLOWING INFORMATION SHALL BE USED TO CONSIDER CONSTRAINTS IMPOSED UPON THE ESTABLISHMENT OF SOLID WASTE ACCEPTANCE FACILITIES

The geographical considerations for the siting of solid waste management facilities in the County is discussed and assessed based on all of the following criteria:

- | | |
|--------------------------|----------------------------------|
| (a) Topography | (b) Soil Types & Characteristics |
| (c) Geologic Conditions | (d) Location |
| (e) Aquifers Use & Depth | (f) Wetlands |
| (g) Surface Water | (h) Existing Water Quality |
| - Sources | (i) Land Use |
| - Floodplains | (j) Planned Long Term Growth |
| - Watersheds | (k) Defined Critical Areas |

The following section discusses the topography and other geologic characteristics that typically exist in Allegany County. However, it is recognized that the ultimate determination of siting and site suitability is a determination of the permitting process administered by Maryland Department of the Environment.

(a) Topography

Consult Figure No. IV-1 in pocket of text.

Topographically, Allegany County is an area of steep slopes, narrow valleys, and ridge tops.

In the mountainous section of the Allegheny Plateau, there are two narrow, twisting stream valleys. Georges Creek and Jennings Run have cut into the Allegheny Plateau, exposing numerous rock units and coal seams on both flanks of their narrow valleys. Elevations in the Georges Creek syncline range between less than 1,000 feet near the Potomac River to 2,000 feet near the Pennsylvania line, and in the Dans Mountain chain between 2,000 feet in the north to 2,700 feet in the south. Located along the drainage divide on a land surface, which probably existed in the entire area west of Dans Mountain before stream cutting began, is the City of Frostburg.

To the west of the stream valleys, the land surface rises toward Big Savage Mountain whose crest is in Garrett County. The linear ridge including Big Savage Mountain is 2,934 feet above sea level at Sampsons Rock near the Pennsylvania border.

The Allegheny Front is the boundary between the Allegheny Plateau and Ridge and Valley physiographic regions of the Appalachian Province.

The Allegheny Front is crossed by three streams: the North Branch of the Potomac River at an elevation near 850 feet above sea level; Braddock Run at an elevation of near 1,100 feet; and Jennings Run at an elevation of nearly 850 feet. Slopes are very steep along these streams, as each stream valley is nearly 1,500 feet below the summit of the front.

In the area between Midland and Westernport, the valley floor along Georges Creek is nearly 1,000 feet below the surrounding plateau surface. The land surface is more rolling and slopes are generally less than 500 feet in elevation between Midland and Frostburg.

In this section of Allegany County, nearly all of the land is above elevation 1,000 feet and 50 percent is above 2,000 feet in elevation. The only areas below 1,000 feet are along the three streams, which cut across the Allegheny Front.

The Ridge and Valley section of Allegany County contains a number of major ridges and their numerous offshoots. The major ridges are Town Hill, Green Ridge, Stratford Ridge, Polish Mountain, Warrior Mountain, Martin Mountain, Collier Mountain, Nicolas Ridge, Irons Mountain, Evitts Mountain, Shriver Ridge, and Wills-Haystack Mountain.

Ridge crests in this area are not nearly as high above sea level as those in the Allegheny Plateau section of the County, and, contrary to those in the plateau area, these ridges decrease in elevation southward toward the North Branch and the Potomac River. Evitts Mountain, at nearly 2,300 feet above sea level, is the highest point in the Ridge and Valley section.

The entire area is drained by the Potomac River and its tributaries, the major streams being Wills, Evitts, Town, Fifteen Mile, and Sideling Hill Creeks. Most of these stream valleys range between 450 and 800 feet above sea level, making, in most cases, the difference in elevation from valley floor to ridge crests between 800 and 1,500 feet. The most spectacular change in elevation is near Cumberland where Wills Creek cuts across Wills Mountain, forming a water gap, which is nearly 800 feet high at one point.

Nearly all of the land in the Ridge and Valley section of the County is below elevation 2,000 feet, and approximately 50 percent of this land is below 1,000 feet. The only areas above 2,000 feet are the crests of Evitts and Warrior Mountains and Town Hill. Nearly all of the land in the river valleys is below 1,000 feet, and the lowest point in the County, with an approximate elevation of 450 feet, is located at the confluence of Sideling Hill Creek and the Potomac River.

Fifty-five percent of the land in Allegany County has a slope greater than 15 percent; 25 percent, a slope of 8 to 15 percent; and 20 percent, a slope of less than 8 percent. Most of the land with less than 8 percent slope is floodplain or mountain crests, and thus, only the small amount of remaining land is suitable for agricultural and urban use.

The headwaters of the North Branch of the Potomac River occur outside Allegany County at an elevation of 3,150 feet mean sea level. The elevation at its confluence with the South Branch Potomac River near Oldtown is 530 feet. The average slope upstream of Luke is about 50 feet per mile (1:100) while downstream the average is only 8 feet per mile (1:660).^[1]

(b) Soil Types and Their Characteristics (See Figure IV-2)

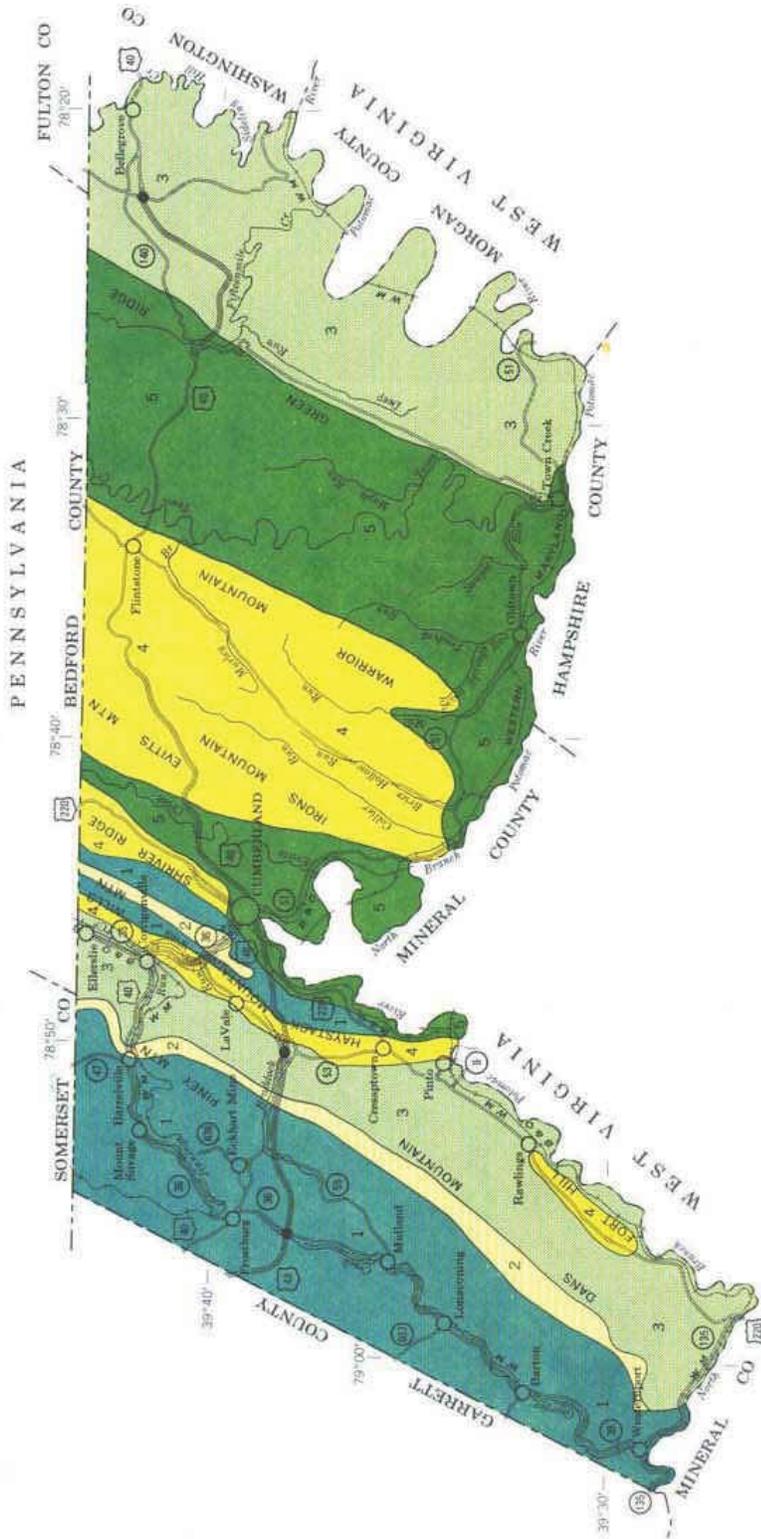
Consult the Soil Survey of Allegany County, Maryland.

Most soils in Allegany County have strongly differentiated horizons. Only weak horizonation is evident, however, in the young soils on floodplains.

The formation of soil horizons is the result of one or more processes. These processes are: 1) accumulation of organic matter; 2) leaching of carbonates and other soluble compounds; 3) chemical weathering, chiefly by hydrolysis, of the primary minerals of parent material into silicate clay minerals; 4) translocation of silicate clay minerals, and probably some silt-sized particles, from one horizon to another; and 5) chemical changes (oxidation, reduction, and hydration) and movement of iron.

In almost all soils found in Allegany County, several of these processes have been active in the development of horizons. For example, the interaction of the first, second, third, and fourth processes given in the previous paragraph is reflected in the strongly expressed horizons of the Hagerstown soils, and all five processes have been active in the development of the moderately well-drained to somewhat poorly drained Albrights and Cavode soils. Only the first process has had any marked effect on the Huntington and Pope soils. In some soils that formed in transported and redeposited material, leaching of carbonates and other compounds probably took place before soil materials were redeposited; some of the other processes could have been active before deposition.

Figure IV-2

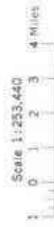


SOIL ASSOCIATIONS

- 1** Gilpin-Dekalb-Cookcoort association: Gently sloping to very steep, well drained and moderately well drained, dominantly very stony soils that are moderately deep over sandstone and shale
- 2** Stony land-Dekalb association: Stony land and sloping to very steep, well-drained, very stony soils that are moderately deep over sandstone
- 3** Weikert-Calvin-Lehew association: Gently sloping to very steep, somewhat excessively drained and well-drained, shaly to very stony soils that are shallow to moderately deep over shale and sandstone
- 4** Elliber-Dekalb-Opequon association: Gently sloping to very steep, well-drained, cherty or channery to very stony soils that are shallow to deep over limestone or moderately deep over sandstone
- 5** Weikert-Gilpin association: Gently sloping to very steep, somewhat excessively drained and well-drained, shaly to very stony soils that are dominantly shallow over shale

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MARYLAND AGRICULTURAL EXPERIMENT STATION

GENERAL SOIL MAP
ALLEGHENY COUNTY, MARYLAND



Compiled 1975

Each area outlined on this map consists of more than one kind of soil. The map is thus meant for general planning rather than a basis for decisions on the use of specific tracts.

Some organic matter has accumulated in all the soils to form an A1 horizon. In many places, however, the A1 horizon has lost its identity as a result of tillage and is now part of an Ap horizon. The amount of organic matter varies in different soils. The Dekalb and Lehigh soils, for example, have weak, thin A1 horizons that are low in organic matter, while at the other extreme the Lickdale soil has a prominent, thick A1 (or Ap) horizon that is high in content of organic matter.

Some studies of clay mineralogy of soils in this part of Maryland have been made. Generally, soils contain a mixture of clay minerals, but no particular mineral strongly dominates. Thus, all soils of Allegany County, except one, are classified as having mixed mineralogy. The exception is the Leetonia soil, classified as siliceous. However, a likely possibility is that the clay fraction in the Cavode soils is relatively high in kaolinite, and that the clay fraction in the Hagerstown, Edom, and Opequon soils is relatively high in illitic minerals.

The downward movement of clay minerals has contributed strongly to the development of horizons in many soils. These minerals have been partly removed from the A1 and A2 horizons and partly immobilized in a Bt horizon. This is characteristic of the Albrights, Allegheny, Belmont, Brooke, Buchanan, Cavode, Chavies, Cookport, Edom, Ernest, Gilpin, Hagerstown, Laidig, Landisburg, Loysville, Meckesville, Monongahela, Nolo, Opequon, Robertsville, Shelocta, Tyler and Westmoreland soils. Clay may also have moved downward in other soils of the county, but if so, the quantity has been insufficient to be clearly observable.

Under certain conditions in soils, coarse textured and acid organic materials are removed from near the surface and redeposited in the subsoil, probably with some colloidal aluminum or iron compounds, to form a Bh horizon. This is characteristic of the Leetonia soils in Allegany County.

Reduction and transfer of iron has taken place to some degree in all soils that have impeded natural drainage. Only in the wettest soils, however, has this process, known as gleying, been of much significance. The Atkins, Lickdale, Loysville, Melvin, Nolo, Robertsville, and Tyler soils have been most strongly affected by gleying.

Iron that has been reduced in areas where the soil is poorly aerated generally becomes mobile and can be partly or completely removed from the soil. In the soils of Allegany County, however, most of the iron has moved either within the horizon where it originated or to another nearby horizon. Part of this iron may become reoxidized and segregated to form the yellowish-red, yellowish-brown, or strong-brown mottles that indicate impeded drainage and are common in a gleyed horizon.

When silicate clay is produced by hydrolysis of primary minerals, some iron is generally freed as hydrated oxide. Depending upon the degree of hydration, these oxides are more or less red. Only a small amount of the oxide is required to give the subsoil a reddish color. In Allegany County, the soils most strongly colored by iron oxide are those of the Hagerstown and Opequon series. The reddish colors in the Albrights, Calvin, Lehev and Meckesville soils are mostly inherited from reddish geologic material, but the colors could have been augmented by iron oxide.

A profile that is representative of each soil series in the county is described in detail in the section Soils Survey of Allegany County, Maryland. A general discussion on the constraints different types of soils pose to solid waste acceptance follows:

CONDITION: Cohesive Fine Grained Impermeable Soils (silts and clays)

DESIRABILITY: Desirable

REASON: Impermeable soils, such as silts and clays, tend to slow the movement of contaminated water or leachate and restrict the movement to the immediate vicinity of the landfill, thereby preventing pollution of the groundwater table.

CONDITION: Granular Permeable Soils (sands, gravels)

DESIRABILITY: Undesirable

REASON: Permeable soils tend to filter the leachate to some extent; however, if the soils are too permeable pollutants may rapidly percolate into the groundwater table without being filtered, which can result in contamination of large areas of groundwater.

CONDITION: Deep Soil Overburden

DESIRABILITY: Desirable

REASON: Deep soil overburden generally is a result of the weathering of a non-resistant rock such as a shale. Therefore, not only is it easier to construct the landfill pits in the deep soil, but also there would be a larger quantity of soil, which would tend to be more suitable for proper cover material.

CONDITION: Shallow Soil Overburden

DESIRABILITY: Undesirable

REASON: In contrast to the above case, shallow soil overburden is the result of the slow weathering of a very resistant rock type such as sandstone. Therefore, it would be very difficult to excavate the rock for the landfill pits, and there would be a lack of suitable cover material.

CONDITION: Gently Dipping Rock Strata with Few Fractures or Joints

DESIRABILITY: Desirable

REASON: Under these conditions, leachate would percolate very slowly through the rock strata due to the lack of steep bedding planes and large joints or fractures. This would allow for a more thorough purification process for a leachate and prevent the serious contamination of the deeper water bearing zones.

CONDITION: Steeply Dipping Rock Strata with Large Fractures or Joints

DESIRABILITY: Undesirable

REASON: In contrast to the above, this condition allows rapid movement of contaminants through large fractures and joints without purification. The steepness of the bedding planes increases the rate of movement due to the force of gravity down-gradient and may result in pollution of the less fractured and confined deep lying water bearing zones.

CONDITION: Gentle Topography

DESIRABILITY: Desirable

REASON: The configuration of the groundwater table generally reflects the configuration of the land surface. Therefore, where the topography has gentle slopes, the slopes of the water table are likewise gentle and groundwater movement through the soil and rocks is slow. This allows time for the pollutants to be subjected to natural purification and reduces the possibility of contaminated springs and streams.

CONDITION: Steep Topography

DESIRABILITY: Undesirable

REASON: In contrast to the above condition, in the areas of steep or severe topography the contaminant flows rapidly down gradient to the point where it discharges into streams in the valleys or forms spring lines at the base of the slopes. The rate of flow through the soil and rocks is rapid and little natural filtration and purification takes place. In addition, steep topography promotes rapid runoff of potentially polluted surface water during period of heavy precipitation.

CONDITION: Floodplain

DESIRABILITY: Undesirable

REASON: The groundwater table is generally very near or to the surface in floodplain areas, especially during high water or heavy precipitation. Therefore, a landfill located on a floodplain would allow the contaminants to be in direct contact with the water table, which could result in both surface and deep water pollution.

CONDITION: Low Groundwater Table with Permeable Soils and Rock

DESIRABILITY: Generally Desirable

REASON: The greater the distance between the landfill and the water table, the more filtered the contaminants become as they percolate through the permeable layers of soil or rock. However, if the materials are too permeable, it could result in the contamination of large areas due to rapid percolation of pollutants into the groundwater table.

CONDITION: Low Groundwater Table with Impermeable Soils or Rock

DESIRABILITY: Desirable

REASON: Impermeable soils, such as clays or tight shales, tend to slow the movement of the contaminant, and restrict the movement to the immediate vicinity of the solid waste acceptance facility. Pollutants would then be contained at a shallow level and would prevent, to a considerable degree, the contamination of the deeper lying water table.

CONDITION: High Groundwater Table with Impermeable Soils

DESIRABILITY: Undesirable

REASON: Optimum conditions for pollution of the groundwater table occurs when the water table is very near to or within the depth penetrated by the solid waste acceptance facility, because the solid wastes are in continual direct contact with the groundwater. Due to the high water table the

soils are saturated, resulting in contamination of surface runoff and ponding on the surface.

(c) Geologic Conditions

Most of the rocks now exposed in Allegany County, Maryland, were deposited during the Paleozoic Era between 430 and 280 million years ago. The Appalachian Mountains were produced about 230 million years ago by compressional forces. Uplifting of the entire region followed, and, since that time, erosion has been the dominant geologic event. Generally, the higher ridges are sandstones, while softer shales and limestones form the hill slopes and valleys.

The rocks of the Appalachian Highlands province are of Precambrian, Paleozoic, and Quaternary Age. The maximum estimated thickness of the Precambrian and Paleozoic rocks is 1,000 and 38,000 feet, respectively, and surficial Quaternary deposits are known to have a maximum thickness of 140 feet. The Precambrian strata consist chiefly of highly altered granitic gneisses and volcanic rocks; the Paleozoic strata consist mainly of shales, sandstones, and limestones. Approximately 40 percent of the surficial rocks in Allegany County are shale, 5 percent of which is limestone and dolomite. The remaining surficial rocks are sandstone, ironstone, and other rock types.

The Geologic Formations of Allegany County (See Figure IV-3).

- QUATERNARY PERIOD

Alluvial and Colluvial Material

Sands and gravel less than 50 feet thick; found in stream valleys and footslopes throughout the county.

- PERMIAN PERIOD

Dunkard Group

Layered green and red shale, sandstone, siltstone, some conglomerate, and some thin coal beds; approximately 200-250 feet thick found on hilltops in Georges Creek basin.

PENNSYLVANIAN PERIOD

Monongahela Formation

Repeated interbeds of green and red shale, coal, underclay (thin) limestone, and sandstone, predominantly shale (65% - 70%), most limestone and sandstone beds less than 6 feet thick; approximately 375 feet thick; located along Georges Creek basin between Barton and Frostburg.

Conemaugh Formation

Interbedded shale, black shale, underclay, coal, argillaceous limestone, and sandstone, all numerously repeated, and mostly as thin layers, with several thick sandstone beds (up to 40 feet thick) and "iron nodules" and thin beds of iron ore; approximately 825-925 feet thick; found in Georges Creek basin between Dans and Big Savage Mountains.

Pottsville and Allegheny Formations

Mixed sandstone and shale, predominantly sandstone, some flaggy, some thick-bedded (massive), with some coal beds and underclays.

• MISSISSIPPIAN PERIOD

Mauch Chunk Formation

Predominantly reddish shale, with green shale, red mudstone, and multi-colored sandstone; approximately 650-800 feet thick; found along the east slope of Dans Mountain.

Greenbrier Formation

Sandy limestone, in part cross-bedded, and interlayered with thinner beds of red shale; approximately 2100-3000 feet thick; found along east slope of Dans Mountain.

Pocono Formation

Mixed sandstone and shale, predominantly flaggy (thin, platy) to massive sandstone, partly cross-bedded, locally thin streaks of coaly material; approximately 250 feet thick in the west to 1,700 feet thick in the east; found along east flank of Dans Mountain and summit of Town Hill.

- DEVONIAN PERIOD

Hampshire Formation

Mixed beds of sandstone and shale, but predominantly sandstone, variable thin-bedded (flagstone) and thick-bedded (massive), shale beds commonly red and brown; approximately 1600-2400 feet thick; found along east flank of Dans Mountain, both flanks of Town Hill, and west flank of Sideling Hill.

Jennings Formation (Chemung)

Predominantly sandy shale, dark gray or black in lower part of formation, and shaly sandstone with some hard quartzite and conglomerate beds in upper part; approximately 3000-4800 feet thick; found along east flank of Dans Mountain, Evitts Creek Valley, Mexico Farms and most of Town, Fifteen Mile and Sideling Hill Creeks.

Romney Formation (Hamilton)

Predominantly argillaceous shale, in part black (carbonaceous) with almost paper-thin bedding cleavage, with subordinate thin beds of sandy shale and sandstone, and several thin beds of limestone; approximately 350-1660 feet thick; found in Potomac Valley east of Dans Mountain, along Bedford Road on east side of Cumberland and in Oldtown area.

Oriskany Formation

Lower portion predominantly chert layers with shale partings, upper portion loosely cemented calcareous sandstone; approximately 300-350 feet thick; forms Cash Valley, Shriver and Stratford Ridges, Irons, Collier, Martin and Warrior Mountains and Fort Hill.

Helderberg Formation

Primarily gray limestone with chert in upper portion; approximately 350 feet thick; flanks Fort Hill, Cash Valley and Shriver Ridges, and Martin and Warrior Mountains.

- SILURIAN PERIOD

Tonoloway Formation

Predominantly limestone beds, partly thick-bedded and cherty, partly thin-bedded and shaly, with subordinate shale beds (lower beds are thinly laminated); approximately 600-660 feet thick; flanks Fort Hill, Cash Valley and Shriver Ridges, and Martins Mountain.

Wills Creek Formation

Interbedded olive to yellow-gray shale and limestone; approximately 450 feet thick; flanks Fort Hill, Wills, Irons, and Evitts Mountains, and found along Murley Branch near Flintstone.

McKenzie Formation

Predominantly interbedded gray, greenish-gray, and red shale, shaly sandstone, and calcareous shale, with thin beds of argillaceous limestone and soft sandstone; approximately 240-300 feet thick; flanks Wills and Evitts Mountains and area along Flintstone Creek.

Rose Hill Formation - Clinton Shale

Chiefly shale with minor beds of sandstone and thin-bedded limestone, beds of iron ore (hematite); approximately 550-660 feet thick; flanks Wills and Evitts Mountains and area of Flintstone Creek.

Tuscarora Formation

Hard white and light gray sandstone (in part quartzite), mostly thick-bedded with minor thin beds of shale; approximately 400 feet thick; forms Wills, Evitts and Tussey Mountains.

- ORDOVICIAN PERIOD

Juniata Formation

Soft shale, sandy shale, and thin-bedded sandstone; approximately 500 feet thick; found only in the narrows of Wills Mountain at Cumberland.

Major Structural Features (Figure IV-4).

The major structural features present in Allegany County are folds (anticlines and synclines) and thrust faults, which were probably caused by compressional forces pushing from the east toward the mid-continent during formation of the Appalachian Mountains. Anticlines are upwarped folds, synclines are downwarped folds, and thrust faults usually occur where rocks in anticlines and synclines were broken and older rocks pushed over younger rocks.

Georges Creek Syncline, the westernmost major structural feature in Allegany County, is an open downfold containing the youngest exposed rocks found in the area. Combined with the resistant Pottsville and Allegheny formations of the syncline's flanks, this downfolding has protected the coal beds from erosion. The axis of the syncline is partially followed by Georges Creek and

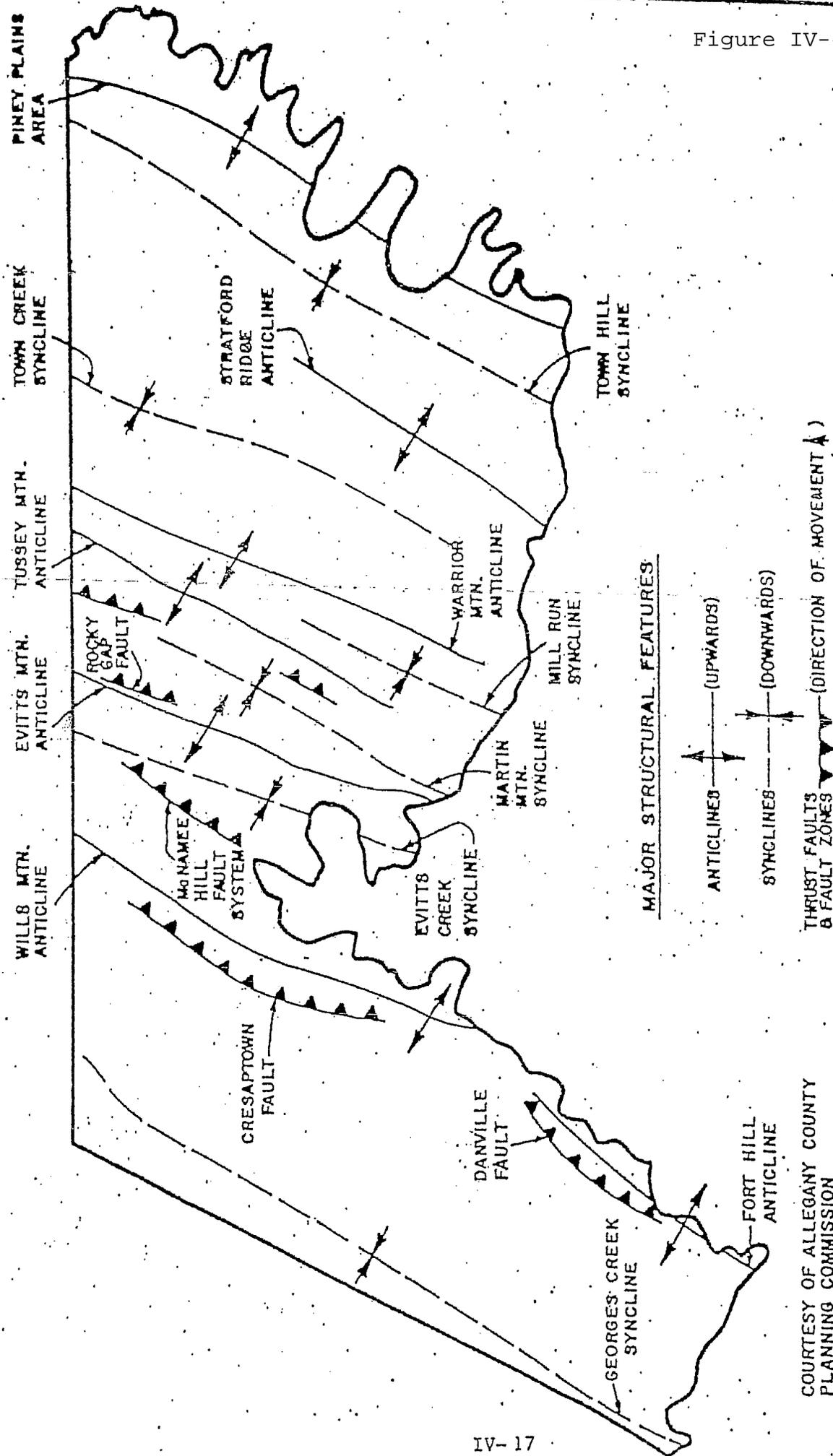
Jennings Run and passes near Mt. Savage, Frostburg, Lonaconing and Westernport.

East of the Georges Creek Syncline are the Cresaptown and Danville Faults, which parallel the Allegheny Front in portions of Pennsylvania, Maryland and West Virginia. The rocks forming Wills Mountain and Fort Hill have been thrust over the younger rocks of the Potomac and Wills Creek Valleys. The faults are not obviously visible, but the Cresaptown Fault has been exposed near the Braddock Square Shopping Center.

The Wills Mountain Anticline, west of the Cresaptown and Danville Faults and related to the Cresaptown Fault, is a relatively narrow upwarp with rocks dipping away from its axis at steep angles, particularly on its west side. Tuscarora sandstone forms the anticline, while Oriskany sandstone forms Cash Valley and Shriver Ridges on its flanks.

Figure IV-4

FIGURE IV-4



MAJOR STRUCTURAL FEATURES
ALLEGHENY COUNTY

COURTESY OF ALLEGHENY COUNTY
PLANNING COMMISSION

In the Bedford Road-Naves Crossroads area, a group of thrust faults in the Romney formation paralleling Shriver Ridge comprise the McNamee Hill Fault System.

Evitts Creek Syncline is a broad downwarp east of the McNamee Hill Fault System between the Wills Mountain and Evitts Mountain Anticlines and includes the area affected by the McNamee System. The Evitts Creek Valley area has no exposed resistant rocks or prominent ridges.

Evitts Mountain Anticline, immediately east of the Evitts Creek Syncline, is a narrow upwarp. The prominent ridge at Rocky Gap State Park is composed of Tuscarora sandstone, which plunges underground south of Route 40, obliterating the prominence of the ridge. Oriskany sandstone forms Irons Mountain on the east flank of the anticline, and a thrust fault east of Rocky Gap has produced an offset in the Tuscarora sandstone, which has been exposed near Rocky Gap Dam.

A rather complicated land surface has been produced by the Martin Mountain Syncline east of the Evitts Mountain Anticline. Although rocks between Evitts and Tussey Mountains are generally downwarped, Martin and Collier Mountains and Rush Ridge are formed by the surface exposure of resistant Oriskany sandstone. This sandstone has also been thrust upward east of Pleasant Valley along the Martin Mountain Fault.

The Tussey Mountain Anticline is an upwarp of Tuscarora sandstone east of Martin Mountain, which forms Tussey Mountain in Pennsylvania. The Tuscarora sandstone plunges below the land surface in Maryland so that less resistant shales of the Rose Hill, McKenzie, Wills Creek, and Tonoloway formations are found in the Twiggtown area.

The Mill Run Syncline is a downwarp of Romney and Jennings shale in the Mill Run stream valley southeast of Twiggtown and east of the Tussey Mountain Anticline.

A resistant Oriskany sandstone upwarp forms the east flank, near Flintstone and both flanks, near the Oldtown Road, of the Warrior Mountain Anticline. Less resistant limestones and shales form Murleys Branch west of Flintstone.

Town Creek Syncline is a broad downwarp east of Warrior Mountain on the Romney and Jennings formations. Resistant Chemung conglomerate forms Polish Mountain, while less resistant shale beds form the Town Creek Valley.

Stratford Ridge Anticline, east of Oldtown and the Town Creek Syncline, is an upwarp, which is visible in Stratford Ridge where the resistant Oriskany sandstone outcrops. The structure is in the less resistant Romney shale north of Stratford Ridge.

The easternmost major geologic structure in Allegany County is the Town Hill Syncline. It is a broad downwarp lying east of Stratford Ridge with its axis on Town Hill. The crest of the syncline is formed by the resistant Pocono formation while resistant Chemung conglomerate forms Green Ridge. Topographically, the syncline is high. On its east, the rocks are warped upward in a small anticline underlying the Piney Plains area. Further east, the rocks are again downwarped, resulting in the formation of Sideling Hill by the resistant Pocono formation.

The following maps housed at the Allegany County Planning Office may be consulted for detailed geologic conditions:

Geologic Map
of
Allegany County
State of Maryland
Department of Geology Mines and Water Resources

(d) Location

Information covered in other paragraphs in this Section of Chapter IV.

(e) Use and Depth of Aquifers

Allegany County has unconfined aquifers with varying depths seasonally from a few feet to approximately 800 feet in depth. Also on file at the Allegany County Health Department is a Foxbase data base system, which contains the record information of wells, drilled and used in Allegany County. (See paragraph (h) of this Chapter for groundwater quality discussion.)

(f) Location of Wetlands

Wetlands are small in size and are sporadically located throughout Allegany County. One of the most prominent areas for wetlands in the county is associated with the Federally-owned and operated C & O Canal Park. Allegany County has less than 1% of all the non-tidal wetlands in the State of Maryland. A complete set of detailed maps of all non-tidal wetlands is available for review at the Allegany County Office of Community Development located at the County Office Complex. Various man-made wetland areas have been developed throughout the County in conjunction with the State of Maryland's "no-net loss of wetlands" program due to development.

Nontidal Wetlands Guidance Map
State of Maryland
Department of Natural Resources
Water Resources Administration
1989

(g) Location of Surface Water Sources, their Floodplains and Watersheds

Allegheny County has numerous small surface water supplies used for municipal water purposes. Two large surface water reservoirs are located in Bedford County, Pennsylvania, which supplies municipal water to the City of Cumberland and surrounding suburbs. The Savage River Dam supplies the towns of Westernport and Luke and the Piney Dam serves the City of Frostburg and adjacent areas. The County's Comprehensive Water and Sewerage Plan and numerous other drainage basin studies are available at the County Office Complex and provide a more in-depth description of existing water supplies, water systems, and drainage areas supplying water to the region.

Floodplains exist for all streams and rivers in Allegheny County. The Federal Emergencies Management Agency has maps on file at the Allegheny County Department of Community Services for most of Allegheny County. These maps are on a 1:500 scale and delineate most floodplain areas.

(h) Existing Water Quality Conditions

Water quality conditions in Allegheny County are varied, especially with respect to groundwater quality.

The western portion of Allegheny County is influenced strongly by acid mine drainage from old deep mining drainage systems, small seeps, and recent strip mining activities.

The eastern portion of Allegheny County is influenced by poor soil conditions and geological conditions that cause high levels of iron and sulfates.

Surface water conditions are found to be in moderate to high quality. Numerous springs and small streams in the eastern undeveloped areas are responsible for the highest water quality found in Allegheny County. Both Sideling Hill Creek and Fifteen Mile Creek are examples of high water quality. Town Creek also has high water quality; however, it is influenced by agricultural runoff.

The three primary areas of poor water quality are the North Branch of the Potomac River, Georges Creek and Braddock Run. The Potomac River is influenced by acid mine drainage in the North Branch area above Allegheny County. Industrial, domestic and agricultural sources are responsible for both high turbidity levels and high BOD levels from Westernport to the confluence of the North Branch with the South Branch of the Potomac River. Poor water quality in Georges Creek is caused by extremely low water levels at the northernmost end of the stream near Frostburg. This low flow is due to seepage into the Hoffman tunnel. Braddock Run has poor

quality water caused by acid mine drainage from the Hoffman Tunnel. Braddock Run is laden with yellow boy which is a ferric hydroxide precipitate produced from pyrite in association with coal seams located underground. Yellow boy contamination occurs from the Hoffman Tunnel to Wills Creek.

(i) Incompatible Land Use

The Allegany County Department of Community Services is responsible for the control and approval of all development, including the location of solid waste facilities in regard to zoning and incompatible lands.

(j) Planned Long-Term Growth Patterns

U.S. Census Reports for Allegany County
(1950-2000)

1950	89,556
1960	84,169
1970	84,044
1980	80,548
1990	74,946
2000	74,930
2010	75,090

MD Office of Planning Projections

2020	75,650
2030	77,150

(k) Federal, State and Local Laws and Areas of Critical State Concern (as designated by the Department of State Planning)

Constraints imposed upon the establishment of solid waste facilities are outlined in COMAR Title 26, Department of the Environment, Subtitle 04, Chapter 07, Solid Waste Management. There are no areas of critical State concern within Allegany County.

SOURCES

1. Soil Survey of Allegany County, Maryland, United States Department of Agriculture, Soil Conservation Service.
2. Allegany County Comprehensive Water and Sewerage Plan, 2011.
3. Allegany County Solid Waste Management Plan, February, 2011.

ASSESSMENT: Information exists to adequately address the geographical considerations for the siting of solid waste management facilities in the County and/or further data could be acquired to evaluate the considerations in conjunction with State law.

(4) ASSESSMENT OF METHODS TO REDUCE SOLID WASTE VOLUMES, RECYCLING AND OTHER SPECIAL NEEDS

Allegheny County acts on the following hierarchy for waste management in regard to resource reduction and source recovery:

Reduce
Reuse
Recycle/Compost
Landfill

To this end, the Allegheny County Solid Waste Management Board (SWM Board) was established to provide programs and education, which implement the Reduce, Reuse, Recycle/Compost and Landfill solid waste management hierarchy. The Board, composed of appointed members acting in an advisory capacity to the County Commissioners, began monthly meetings in January 1997. (SEE By-Laws in Appendix D)

Since economic incentive can be an effective means of reducing the per capita waste generation rate, Allegheny County should encourage its municipalities to support the use of variable (i.e. pay as you throw) rates for waste disposal. Variable rate structures can allow for equitable payment for service, financial incentive for source reduction and source separation, and the consideration of other issues when establishing the rate structure.

Another economic incentive deals with the avoidance of artificially low tipping fees which may involve subsidization and which hides the true cost of disposal by landfill.

Regarding incineration as a step in the solid waste management hierarchy, the County should not permit the construction of any incinerators for municipal solid waste for the following reasons:

1. Incinerators compete with recycling programs for resources;
2. Recycling is a repeatable process which saves energy. The energy recovered from a one-time incineration process is less than the repeatable recyclable process.
3. Incinerators may create new environmental and health problems with pollution and production of chemically complex or toxic residues.

(a) Source Separation and Reduction Programs

At this time, the Source Separation programs the Solid Waste Management Board is aware of are for:(1)the seasonal curbside collection of yard material done in the Cities of Frostburg and Cumberland (2) the collection of cardboard at the Frostburg Dog Park by Burgmeier's Hauling,Inc., and (3) selected construction demolition recycling by Braddock Construction near Midland.

ASSESSMENT: On February 1, 1998, Allegany County instituted a variable rate sticker program for waste at the refuse disposal sites. While this is a good program, it does not affect the majority of the County's population. The majority of the County's population waste disposal is served by either municipal/public or commercial/private contracts. In addition to existing operation programs, public education is critical. The County needs to develop public educational programs on source reduction. The SWM Board Reduce/Reuse subcommittee will be instrumental to this end.

In both 2001 and 2002 the County distributed Source Reduction literature to its 5,000 water customers along with their annual Consumer Confidence Reports.

(b) Recycling Programs

The State of Maryland mandated that counties with population of 150,000 or less divert 15% of municipal waste from the solid waste stream by January 1, 1994. Effective December 31, 2015, the State required diversion rate will increase to 20%. The Recycling Committee, which functioned prior to the County's SWM Board, recommended a 25% recycling goal for the County. Subsequently in the 1992/1996 SWM Plan the recycling goal was clarified to "25% by the year 2000" and was approved by the Allegany County Commissioners. Since 1997, Allegany County has recycled over 15% of its waste stream (Table IV-1) and reached the 25% goal in 2002. The Recycling Coordinator in collaboration with the SWM Board is actively monitoring the implementation of this plan and will recommend changes which are deemed economically feasible.

Recyclable materials generated by residents of Allegany County are collected at drop-off facilities. Sixteen sites are currently implemented, and collect combined bimetal and aluminum cans, and newspaper. Cardboard, white goods, glass and magazines and plastics were added as targeted materials and special drop-off sites were developed for these materials. The County has also developed mobile drop-off systems for cardboard.

1. Recycling Material Drop-off Sites

The County Recycling Center at the rear of the County Office Complex on Kelly Road in Cumberland was established in 2001. Operated by Penn Mar Recycling under contract with the County, the center provides full service recycling of cardboard, newspaper, office paper, glass, cans, plastics, magazines, used oil, used antifreeze and white goods.

In addition to the County Recycling Center, there is a permanent drop-off site for old corrugated cardboard at Mountainview Landfill and a compost site near Mexico Farms.

A more detailed assessment of recycling methods is included in Section 4(b) of this chapter and in Chapter V.

(1) Permanent/Year-around sites:

- Recycling Drop Boxes;
- Used Motor Oil;
- Used Anti-Freeze;
- Old Corrugated Cardboard (OCC);
- Mixed Office Paper (OP);
- Magazines & Catalogs (M & C).
- E-cycle

(2) Permanent/Seasonal sites:

- Compost Site;
- Telephone Books (TB);
- White Goods (WG);
- Winter Evergreens (Trees & Wreaths);

(3) Other Periodic Programs:

- Household Hazardous Waste Collection Days
- Scrap Tire Collection Days

ASSESSMENT: Allegany County has met its own recycling goal of 25% since Year 2002 and anticipates the current program will continue to exceed the State mandated 20% rate during the planning period. New educational and operational programs are being implemented to increase public participation and maintain and increase the level of recycling.

2. Yard Waste Compost Site

A composting facility for yard material is operated by Allegany County and a prohibition of yard material from entering the solid waste stream and the landfill is in effect by State law when dealing with mono-loads of yard material. The cities of

Cumberland and Frostburg provide seasonal curbside collection of yard material to their residents. In addition to the municipal curbside collections of Christmas trees and wreaths by Frostburg, Allegany County provides numerous drop-off sites for Christmas tree collections. The trees are then mulched and delivered to the County Compost site.

ASSESSMENT:

- A) While the County's traditional, centralized compost site (off Rte. 51/Oldtown Road) is well-established and has continued to increase in usage, no satellite sites have been established.
- B) A satellite composting site should be established on the west side of the county such as at Mountainview Landfill to increase participation and minimize the landfilling of yard waste.
- C) Frostburg continues its seasonal curbside collection of yard material and Cumberland has purchased a vacuum mulcher and has re-established their annual fall leaf collection.
- D) The number of sites for seasonal drop-off collection of Christmas trees and other greens appears satisfactory.

3. Curbside Collection of Recyclables

The original Recycling Plan, as adopted in 1990, called for curbside collection programs in selected areas of Allegany County. With the exception of some pilot programs, economic considerations have stymied the implementation of substantial curbside recycling.

Encouragingly, effective July 1, 2014, the City of Cumberland began offering curbside recycling to its residents via its waste hauling contract with Burgmeier Hauling. Preliminary indications are the program is very successful. Burgmeier's Hauling Inc is also offering selected curbside recycling services to its subscription solid waste customers in Allegany County and to residents of the City of Frostburg.

ASSESSMENT:

The County should continue to assess the feasibility of curbside recycling, including single stream recycling, and work with municipalities and haulers to encourage curbside recycling programs.

4. Recycling in the Public Schools

On July 1st, 2009, Maryland House Bill 1290 required counties to revise recycling plans (inherent to this document) to include the collection, processing, marketing and disposition of recyclable materials from county public schools. Allegany County schools include 14 elementary schools, 4 middle schools, 3 high schools, 1 alternative school, 1 Center for Career and Technical Education (CCTEC). All of the former facilities are operated by Allegany County Public Schools (ACPS). The only other county public education facility is Allegany College of Maryland (ACM).

Current recycling efforts in ACPS facilities include:

Material	Participating Schools
OCC (corrugated cardboard) ¹	All K-12, CCTEC, ACM
office paper ¹	Some K-12, CCTEC, ACM
#1 plastics ¹	Some K-12
Phone books ²	All K-12
Fluorescent bulbs ³	All K-12, CCTEC
Ferrous and non-ferrous metals ⁴	All K-12, CCTEC
Electronics ⁵	All K-12, CCTEC, ACM

1. Materials are collected by ACPS Operations staff and ACM staff and transported to the County recycling center for processing and marketing.
2. Phone books are collected as an annual event. These books are transported by ACPS Operations staff to the County recycling center for processing and marketing.
3. Collection, processing, and disposition of fluorescent bulbs are performed by ACPS Operations staff.
4. Metals are collected by ACPS Operations and Maintenance staff at the central office and transported and sold to a commercial metal recycler (currently Allegany Scrap).
5. Collection and marketing / disposition of electronics are performed by ACPS Operations and IT staff and by ACM IT staff for their respective facilities.

ASSESSMENT:

The current strategy for recycling materials in the schools consists of collection and transport of materials by staff to the County recycling center for processing and marketing. Opportunity exists to expand the number of schools which collect materials as detailed above and to add materials such as cans or other paper products to the suite of materials collected.

Recycling efforts are currently informally coordinated by various departments. For ACPS, it may be beneficial for each school to designate a recycling coordinator

who reports to an Operations staff member in charge of the ACPS recycling program.

As the volume of recyclable material collected at the schools increases, it would be worthwhile to investigate the economics of using a commercial hauler or processor to collect recyclable materials from the schools rather than performing these operations with ACPS staff.

Opportunity exists for collaboration with County recycling events such as e-cycling.

(c) Resource Recovery Option

The drop-off collection(s) described above, together with private sector buy-back programs are the only resource recovery options provided currently. The potential volume of recoverable materials in Allegany County has not justified a resource recovery facility at past market rates. The transportation costs associated with the distances we are located from secondary markets are considered in the economic feasibility of adding additional materials. The tipping fee for MSW at the landfill is currently \$46.75 per ton, which provides economic incentive to recycle. It should be noted that the processing fee under the counties contract with Penn-Mar Recycling to operate the County Recycling Center is currently \$53 per ton (Appendix A, pg 7 of recycling contract).

Table IV-1 shows a comparison of the basic, annual (calendar year) recycling tonnages and percentages for Allegany County. It shows that in 1994 Allegany County first met its 15% goal as mandated by the Maryland Recycling Act of 1988. The County also reached its own stated goal of 25% in 2002. Furthermore, this table illustrates the cost per ton for Allegany County's recycling program for each of the full calendar years since its inception in June 1991. The data presented are derived from the Annual Recycling Reports with updates from the Allegany County Recycling Coordinator.

TABLE IV - 1A
ANNUAL RECYCLING SUMMARIES - ALLEGANY COUNTY MARYLAND

	1992	1993	1994	1995	1996	1997	1998	1999
1. DROP BOXES								
# SITES/BOXES	12/12	12/12	16/18	16/18	16/18	16/18	16/18	16/18
OPERATING COST	\$62,200	\$64,073	\$57,588	\$58,660	\$81,638	\$89,609	\$88,254	\$79,854
REVENUES	\$0	\$0	\$0	\$23,800	\$0	\$0	\$0	\$0
TONS RECYCLED	1,082	1,160	1,230	1,260	1,460	1,470	1,450	1,330
\$/TON COST	\$57/TON	\$55/TON	\$47/TON	\$28/TON	\$56/TON	\$60/TON	\$60/TON	\$60/TON
2. COMPOST SITE								
OPERATING COST	\$48,545	\$48,147	\$55,690	\$51,420	\$54,507	\$58,353	\$68,210	\$72,600
TONS RECYCLED	1,160	1,220	1,470	1,515	1,625	1,725	2010*	2,310
\$/TON COST	\$42/TON	\$39/TON	\$38/TON	\$34/TON	\$34/TON	\$34/TON	\$34/TON	\$32/TON
* 500T torndo debris								
3. OTHER PROGRAMS		WG,TB,OP	WG,TB,OP	WG,TB,OP	WG,TB,OP	WG,TB,OP	WG,TB,OP	WG,TB,OP
See definitions p. IV-24				OCC	OCC	OCC	OCC,MAG	OCC,MAG
OPERATING COST		\$3,500	\$9,450	\$19,510	\$18,110	\$20,970	\$21,790	\$28,306
REVENUES			\$1,310	\$23,110	\$9,940	\$13,400	\$10,040	\$13,300
NET COST		\$3,500	\$8,140	-\$3,710	\$8,170	\$7,570	\$11,750	\$15,006
TONS RECYCLED		44	\$206	342	\$434	435	\$430	560
\$/TON COST (PROFIT)		\$79/TON	\$40/TON	(\$11/TON)	\$18/TON	\$12/TON	\$27/TON	\$27/TON
4. TOTAL OF PROGRAMS								
OPERATING COST	\$1,115,895	\$121,650	\$122,728	\$129,590	\$154,255	\$168,932	\$178,254	\$180,760
REVENUES	0	0	\$0	\$47,020	\$9,940	\$13,400	\$10,040	\$13,300
NET COST	\$115,895	\$121,650	\$122,728	\$82,570	\$144,315	\$155,532	\$167,664	\$167,460
TONS RECYCLED	2,250	2,450	2,910	3,117	3,519	3,630	3,890	4,215
\$/TON COST	\$52/TON	\$50/TON	\$42/TON	\$26/TON	\$41/TON	\$43/TON	\$43/TON	\$40/TON
5. COMMERCIAL TONS		5,710	7,100	6,433	6,556	6,550	6,515	6,490
(TIRES-MRA ELIGIBLE)						200	140	110
(TORNADO DEBRIS)							500	
TONS RECYCLED		8,160	10,010	9,550	10,075	10,380	10,545	10,815
TOTAL WASTE STREAM		66,690	67,500	68,250	70,222	69,430	68,762	69,250
% RECYCLED		12.3%	14.8%	14.0%	14.4%	15.0%	15.3%	15.6%
Including tornado debris							15.90%	

TABLE IV - 1b
ANNUAL RECYCLING SUMMARIES - ALLEGANY COUNTY MARYLAND

	2000	2001	2002	2003	2004	2005	2006	2007	2008
TOTAL OF PROGRAM *									
DROP BOX/COMPOST SITE COST (a)	\$180,517	\$160,775	\$167,839	\$144,930	\$141,628	\$178,598	\$221,299	\$163,250	\$182,466
RECYCLING REVENUES	\$20,660	\$11,953	\$13,674	\$18,714	\$18,514	\$16,736	\$25,219	\$32,823	\$25,411
NET COUNTY COST	\$159,857	\$148,822	\$154,165	\$126,216	\$123,114	\$161,862	\$196,080	\$130,427	\$157,055
RESIDENTIAL RECYCLING TONNAGE†	4,012	3,824	3,502	3,176	2,382	3,636	2,696	2,734	2,273
(glass, newspaper, aluminum cans, steel cans, magazines, phone books, white goods, compost, plastic) \$/TON	\$40	\$39	\$44	\$40	\$52	\$45	\$73	\$48	\$69
HOUSEHOLD HAZARDOUS WASTE **									
OPERATING COST	\$9,300	N/A	\$12,638	N/A	\$12,230	N/A	\$11,370	N/A	\$13,490
REVENUES	0		0		0		0		0
NET COST	\$9,300		\$12,638		\$12,230		\$11,370		\$13,490
TONS RECYCLED	3.95		5.15		4.90		4.52		5.34
\$/TON	\$2,354		\$2,454		\$2,496		\$2,515		\$2,526
TIRE DAY**									
MDE GRANT	0	N/A	\$27,156	N/A	\$27,475	N/A	\$22,670	N/A	\$26,604
ESTIMATED COUNTY LABOR COST	\$3,500		\$3,500		\$3,500		\$3,500		\$3,500
REVENUES	\$1,044		\$0		0		0		0
NET COST	\$2,456		\$30,656		\$30,975		\$26,170		\$30,104
TONS RECYCLED	22.68		121.6		72.32		109.72		88.14
\$/TON	\$108		\$252		\$428		\$239		\$342
ELECTRONICS (E-CYCLING) DAY**			100%	26%	36%				
MDE GRANT			\$6,000	\$950	\$1,375	\$0	\$0	\$0	\$0
COUNTY OPERATING COST	N/A	N/A	\$1,000	\$600	\$2,944	\$11,610	\$4,147	\$12,799	\$11,010
REVENUES			-\$354	-\$181	-\$535	-\$4,564	-\$774	-\$3,707	-\$3,026
NET COST			\$6,646	\$1,369	\$3,784	\$7,046	\$3,373	\$9,092	\$7,984
TONS RECYCLED			17.61	7.12	14.67	29.41	8.78	53.38	39.02
\$/TON			\$377	\$192	\$258	\$240	\$384	\$170	\$205
MRA SUMMARY**									
MRA WASTE TONS	60,550	58,060	57,017	58,336	60,560	59,260	60,137	61,541	57,933
MRA RECYCLED	15,290	15,874	19,343	20,578	21,268	22,468	24,686	23,620	25,121
TOTAL MRA	75,838	73,934	76,360	78,914	81,828	81,728	84,823	85,161	83,054
% RECYCLED	21.16%	21.47%	25.33%	26.1	25.99	27.49	29.1	27.56	28.42
SOURCE REDUCTION CREDIT	N/A	2%	2%	3%	3%	2%	3%	3%	3%
COMBINED % RECYCLED	21.16%	23.47%	27.33%	29.10%	28.99%	29.49%	32.10%	30.56%	31.42%

* Fiscal Year

a)Actual Expenditures per Fiscal Year for County Finance Dept.

** Calendar Year

3/15/2010

Allegany County, with efforts coordinated by the County Recycling Coordinator, Solid Waste Management Board, and encouraged locally, should set its resource recovery programs on a dynamic course which recognizes and incorporates the following characteristics typical of programs with high recovery levels as identified by Beyond 40%: Record Setting Recycling and Composting Programs:

1. Comprehensive Composting Programs;
 - a. Year-around collection of many types of yard material at curbside
 - b. Incentives for landscapers to compost their yard material;
2. Mandatory Participation;
3. Recovery of materials from single- and multi-family households, and from commercial and institutional establishments (through both curbside and drop-off collection);
4. Targeting a wide range of materials for recovery;
5. Economic incentives for materials recovery:
 - a. Volume-based refuse rates;
 - b. Reduced tipping fees for recyclable or compostable materials at drop-off sites;
 - c. Higher tipping fees for disposal of non-source separated refuse.
6. Weekly pick-up of materials at curbside;
7. Provision of adequate containers for setting out materials at curbside;
8. Education and publicity.

ASSESSMENT:

Recycling progress has been made in Allegany County with the County first reaching the mandated 15% goal in 1994 and progressing to <30% from 2006 to present. Additionally, the actual tonnage of recycled materials has increased. It should be noted that much of the recycling success has come from the commercial sector and efforts are needed to encourage greater residential recycling.

The 8-point executive summary taken from Beyond 40 Percent: Record Setting Recycling and Composting Programs, 1991 by the Institute for Local Self-Reliance has been available to the County with several strategies

(1, 4 and 8) being employed at increasing levels, with strategies 5 and 6 being researched and discussed and in the case of 6, being developed into a pilot program. Within all 8 strategies, there is much to be gained to help improve Allegany County's recycling efforts.

(d) Reuse Option

In November 2002, the County assembled a Reuse Directory (see Appendix G) in an effort to encourage reuse of materials as a solid waste management practice. The directory, last updated in 2011, lists items which can be donated for reuse and contact information for agencies or businesses who will accept them.

Many municipalities within the county coordinate bulk trash pickups annually or biannually. These bulk pickups have become de facto reuse events as residents commonly scavenge for items with reuse potential. In addition, items with ferrous and non-ferrous metal content are commonly scavenged to be sold for scrap and only a portion of items set out for bulk pickup are ultimately landfilled.

ASSESSMENT:

Although creating a minor impact to date, the Reuse Directory is a good start in what is an essentially untapped solid waste management tool in Allegany County.

Bulk collection events are an effective indirect way of improving reuse. These events should be encouraged. If landfilling costs for these events are prohibitive, municipalities should coordinate and advertise dates for residents to set items out for scavenging and reuse.

(e) Consumer Education, Market Development and County Recycling Coordination

Public (individual, institutional, business, etc.) education programs should occur both on an outreach basis and at the request of Allegany County constituents. The County Recycling Coordinator and the Solid Waste Management Board members responsible for recycling should accomplish such public education programs. This outreach education should take many forms in order to reach all citizens of the County and its varied constituent forms.

Much emphasis will be placed on public education to convince all residents to rethink their purchasing habits, reduce purchasing of products and containers which are not made of recycled content or are not recyclable, and to reuse existing products. Special emphasis must be given to public education regarding source

reduction purchasing principles. Appropriate selections from the Resource List provided in Appendix C will support this goal.

The County Recycling Coordinator needs to maintain availability to the public for educational materials and catalogues for recycled products and as a referral source.

To facilitate the development of markets for recycled materials and products, thus increasing the demand for the collected recyclable materials, the County, through its Recycling Coordinator and SWM Board should develop and recommend to the County Commissioners a comprehensive procurement policy designed to support recycled materials and products markets. Additionally, outreach efforts should take place to educate the various County constituents (private, public, institutional, commercial) of the necessity for these purchasing practices to occur wherever possible. The County procurement and education programs should direct purchasing policies toward materials with high recyclable content.

A key to meeting these and other waste management hierarchy goals is the County Recycling Coordinator. The State's "Recycling Plan Guidelines" (page 6, #9) states:

"In order to oversee the development of the County recycling plans and to assist in the implementation of the County recycling plan, the Department recommends that each County designate an official County Recycling Coordinator. This coordinator should serve as the principal contact for recycling information and should provide oversight for all County recycling activities. The County Recycling Coordinator should have clear responsibility for the County's recycling programs and should be included within the County agency responsible for solid waste management programs."

The Allegany County Recycling Coordinator is responsible for the following activities:

1. To advocate source recycling and closing the loop as a waste management strategy within the hierarchy of Reduce, Reuse, Recycle/Compost. Composting refers to both the County program and individual/institutional programs.
2. To work as the County's active employee on the Allegany County Solid Waste Management Board to complete its mission and goals. In this capacity, the Coordinator should attend all the Board meetings, be responsible for completing tasks, and report to the appropriate authorities.
3. To respond to the requests of County constituents

for information regarding local civic, municipal, institutional, and commercial efforts to source separate, recycle and close the loop. This may involve, but not be limited to, attending meetings, public speaking, providing printed/taped information, and making referrals.

4. To actively work with the County's public and private education systems to facilitate education of the Reduce, Reuse, Recycle/Compost philosophy and practice.
5. To research current recycling efforts within the County, which are not in the scope of the County's, own formal programs.
6. To promote market development of recycled materials through contact with suppliers, County procurement policies, and consumer education.
7. To represent the County before out-of-county and state-wide groups while working to strengthen the broader based recycling success.
8. To participate in continued education via printed materials, audio/visual materials, conferences, and other methods in order to maintain an updated information base and provide innovative strategies to the County.
9. To seek and apply for funds (grants, etc.) which would financially support recycling programs and education; and
10. To maintain a resource library to support public education.

ASSESSMENT: There is a need for increased consumer education, development of markets for recycled materials and products.

(f) Disposal of Asbestos

Asbestos is accepted by Mountainview Landfill, Inc. under regulations established by the Maryland Department of the Environment as specified in COMAR 26.11.15.04 and in conformance with Mountainview's approved operating procedures.

ASSESSMENT: Mountainview Landfill, Inc. has adequate capacity and facilities for the disposal of asbestos provided the disposal meets the applicable State regulations and is in conformance with Mountainview's operating procedures.

(g) Emergency Spill Response

The County-wide Hazardous Materials Plan, which was prepared pursuant to Superfund Amendment and Reauthorization Act, 1986 (SARA), Title III, was adopted on January 17, 1995.

Hazardous materials are defined as any material or substance that presents an unusual hazard to life, the environment or property when burned, spilled or otherwise released from its normal use, handling, storage or transportation environment.

For each incident where potential hazardous materials may be involved, the fire company responding calls a Hazardous Material Coordinator to provide support and technical assistance at the scene. If required, the Hazardous Incident Response Team will be called for decontamination and clean up.

ASSESSMENT: The County's plan which has been reviewed and approved by the various governmental agencies contains the appropriate procedures for analysis, containment, handling and disposal of any hazardous material in accordance with applicable regulations.

(h) Site Selection Regulations, Constraints and Assessment

The 2002 Update of the Allegany County Comprehensive Plan specifically addresses solid waste management in the Community Facilities section of the plan.

The amended Allegany County Zoning Ordinance adopted in 2002 allows landfills, solid waste transfer stations and solid waste processing/resource recovery facilities in the "I-Industrial District" by permit or in the "G-2 - General Urban District", "A-Agriculture" and "C-Conservation District", with Board of Appeals approval. See also chapter II-3(a).

In addition, landfills must be located at least 500 feet and transfer station and solid waste processing and resource recovery facility 300 feet from the nearest residence or "R" District Boundary.

Through the above constraints imposed by county regulations and recourse to the appropriate state agencies, Allegany County has a process for appropriate solid waste facility site selection, which necessarily includes consideration of the following criteria:

1. Land Use Plan
2. Zoning Regulations - Neighborhood Impacts
3. Size and Useful Life
4. Geology, Topography and Environmental Impacts
5. Hydrology

6. Water Purification and Access to Treatment
7. Transportation Costs
8. Infrastructure
9. Capital Requirements

ASSESSMENT: The County's Zoning Ordinance and Comprehensive Plan in combination with County and State regulations adequately provides a process for site selection of landfill and solid waste transfer, processing or resource recovery facilities in the County.

(i) Feasibility of Composting of Mixed Solid Wastes

As required by section 9-1703(b)7 of the Annotated Code of Maryland, the County Plan must address the feasibility of composting of mixed solid wastes. The following discussion is summarized from the Decision Maker's Guide to Solid Waste Management, Volume II produced by the US EPA (1995).

Composting is the aerobic biological decomposition of organic materials to produce a stable product. Up to 70% of MSW is organic material; 20% of MSW is yard waste. MSW may be composted as mixed waste (requiring separation and pre-processing of feedstock prior to composting) or as source separated material. Source separated programs offer several advantages over mixed MSW programs including: reduced handling time, less tipping space, and less pre-processing equipment; *mixed MSW composting offers fewer advantages over the long term* (USEPA, 1995, emphasis added). Source separated programs typically result in a higher quality finished product with reduced contamination however require separate collection and transport of organic materials.

The feasibility of mixed MSW composting in Allegany County Maryland is limited due to geographic, climatic, economic, and cultural obstacles. Geographic and economic obstacles include lower population density and lower population for which hauling costs for waste are proportionally higher and economies of scale in solid waste processing facilities are difficult to realize. In addition, lower population density reduces the relative cost of land for landfilling of wastes. These same obstacles have prevented the implementation of curbside collection of recyclables - a program which would receive much greater public support and participation than curbside collection of organics.

Allegany County composts yard waste at the county Compost Site located on PPG road southeast of Cumberland and encourages backyard composting by residents.

ASSESSMENT: Composting of mixed MSW is determined to be infeasible at this time but will be re-examined periodically with future revisions to this plan.

CHAPTER V

PLAN OF ACTION

**ALLEGANY COUNTY
SOLID WASTE MANAGEMENT PLAN
CHAPTER V**

(1) and (2) PLAN OF ACTION

(a) Solid Waste Disposal System and Acceptance Facilities

1. Existing Solid Waste Disposal System - The existing solid waste disposal systems are described in Chapter III, Section (4) and are anticipated to remain in place, essentially unchanged through the end of the planning period (2024). Beginning in January 2007, Allegany County initiated the planning process to address future solid waste capacity 6 years prior to the expiration of the currently active landfill contract. After extensive analysis, public input and negotiations, Allegany County entered into a contract on December 18th, 2008 with Waste Management, Inc. to provide solid waste capacity at Mountainview landfill for County waste from February 2, 2013 to February 1st, 2033 (Appendix A). Refer to Section (g)6.a. of this chapter for a discussion of future landfill capacity.

2. Existing Solid Waste Acceptance Facilities - The existing solid waste acceptance facilities are described in Chapter III, Section (5) and are anticipated to safely and economically handle the County's defined solid waste stream throughout the ten-year planning period.

In the early 2000's, the County was notified of an expression of interest from private sector firms to develop a land clearing landfill and a solid waste transfer station. These facilities are not seen as inconsistent with the Solid Waste Management Plan as long as County zoning ordinances are established to regulate their location and operation are adhered to, the constraints on such facilities as detailed in Chapter IV are satisfied and these facilities are constructed in accordance with all Local, State, and Federal requirements.

In 2009, Western Maryland Waste Systems, LLC (now Advanced Disposal) was granted a permit from MDE to construct a solid waste processing facility and

transfer station in Allegany County.

3. Planned Solid Waste Acceptance Facilities -

Verso (formerly NewPage) Corporation - The Verso Corporation has reportedly considered submitting a permit to construct a private industrial landfill for disposal of their waste in Garrett County, Maryland. To date, their application has been placed on inactive status by MDE. Should they reactivate that request, ultimately be issued a permit, and construct the landfill, it is presumed their wastes would be removed from the Allegany County waste stream.

(b) Mechanisms for Managing Items in the Waste Stream

1. Residential (household, domestic) wastes - The current system for household waste management uses both curbside pick up and large drop box sites. Private companies, as well as municipalities, provide transportation to disposal sites. This system should continue to provide quality service into the future.
2. Commercial Waste - The primary system for the management of commercial waste utilizes the large dumpster-style containers. Companies providing this service are privately-owned and operated, and also provide the needed transportation to disposal sites as well as maintenance on the dumpster unit. Some commercial waste generators collect their own wastes (independent of any commercial waste disposal system) and transport directly to disposal facilities.
3. Industrial (non-hazardous) Solids, Liquid, and Sludges - Industrial waste in Allegany County has steadily decreased since the 1970's with the loss of several large manufacturing companies.
 - a. Solids - This section of solid waste management for industrial waste is very similar to that of commercial waste disposal listed above.
 - b. Liquid - Liquid waste disposal for all of the areas' industrial waste generators have Maryland Department of the Environment

approved waste facilities, with discharge permits to the Potomac River or an indirect discharge through sewage treatment plants.

- c. Sludge - The production of industrial sludge occurs primarily at one large plant located on the Potomac River at Westernport. This industry has utilized strip mines for its sludge disposal as part of the mine reclamation process. In the future, sludge wastes will leave the County to be used for mining reclamation activities.
 - d. NewPage Corporation, the County's largest manufacturing firm, has continued a concerted effort to further reduce the generation of wastes. Scrap metals, wood wastes, and other process wastes have been removed from their solid waste stream going to landfills and are being reprocessed or recycled. It is estimated this has reduced their flow of solid wastes to landfills by 60% since 1990.
4. Institutional (Schools, Hospitals, Government Buildings) Waste
- a. Schools - All Allegany County schools, including Allegany College of Maryland (ACM) and Frostburg State University (FSU), utilize a similar solid waste collection process of that listed above in Section (1) and (2)b.2. - Commercial Waste. Schools do, however, generate hazardous waste normally in liquid forms from science laboratories which are handled separately. The procedure for handling this laboratory waste is to contract with an approved hazardous waste hauler. These materials are contained and stored under current Maryland Department of the Environment regulations within the school property. Frostburg State University and the University of Maryland Center for Environmental Sciences, Appalachian Laboratory (UMCES-AL) each generate 500 Kg of ~~liquid~~ hazardous wastes annually, utilizing the services of licensed hazardous waste haulers for removal. Many schools have implemented basic recycling programs for as detailed in Chapter IV, Section 4.b.4.

b. Hospitals

The Western Maryland Health System - Disposes of solid waste from its Western Maryland Regional Medical Center much the same as previously listed under commercial waste. The primary exception is the use of MDE approved contractors to dispose of red bag (biohazard) medical wastes.

c. Government Buildings - Numerous government buildings exist in Allegany County. Federal, State, and local government buildings primarily use the same solid waste management as other commercial waste generators in the County. Some government buildings such as the County Office Complex and Allegany College offer multi-product recycling programs.

5. Land Clearing and Demolition Debris (Rubble) - The current mechanism for managing rubble in Allegany County is the use of a sanitary landfill disposal site. While the mechanism to handle demolition debris is adequate, development of a separate land clearing debris landfill is viewed as desirable. Such a facility is being privately developed along Maryland Rte 36 north of Midland.
6. Controlled Hazardous Substance (CHS) - Hazardous materials are generated at all levels including, but not limited to, residential, commercial, and government agencies. Residential generators are exempt from most EPA and MDE regulations which allows for hazardous waste disposal at the current landfill disposal site. Commercial generators of hazardous wastes use private companies from Pittsburgh, Baltimore, and Washington, D.C. to handle and haul for proper disposal. Government buildings follow similar mechanisms for disposal as that of commercial generators of CHS. In addition, as grant funding is available, the County coordinates Household Hazardous Waste Collections as discussed in chapter III section 7.
7. Dead Animals - Dead animals are primarily generated by the Allegany County Animal Shelter. The State, County and City roads departments also dispose animals killed on the road. Historically, animals

from the animal shelter are frozen and picked up by a rendering company. However, plans for an animal crematorium are being considered. Dead animals from the State and County roads are normally buried on various State and County right-of-ways. Dead animals from the Department of Natural Resources are placed in a deer pit located at the eastern end of the County. Dead animals from most of the veterinarians are picked up by pet cemeteries and are buried or incinerated.

8. Bulky or Special Waste (Automobiles, large appliances, etc.) - Generally, large bulky materials like automobiles are not accepted at the landfill and are taken to an in-County scrap and salvage business (currently Allegany Scrap). Penn-Mar Recycling, located at the County Recycling Center, Allegany Scrap, and Queen City Metals accept selected items such as appliances, automobiles, and metals for recycling.
9. Scrap Tires - Scrap tires are accepted at various locations within the County for a fee and hauled to an out-of-County scrap tire disposal facility (Chapter III, Section 6.e). Additionally, MDE has issued permits to numerous tire collectors and transporters in Allegany County. Allegany County has participated with Maryland Department of the Environment and Maryland Environmental Service to implement very successful scrap tire collection days for County residents.

As the continued availability of State grant funding for scrap tire collection is questionable, County implementation of a fee-based annual or biennial scrap tire disposal day program is recommended.

10. Wastewater Treatment Plant Sludge - The two primary generators of municipal sludge in Allegany County are the City of Cumberland and the Allegany County Department of Public Works. The City of Cumberland produces a Class A sludge by way of a sludge heat drying and pelletizing facility. The sludge heat drying facility is operated for the City under contract with New England Fertilizer Company (NEFCO). The sludge is treated and distributed for uses approved by the Maryland Department of the Environment via Sewage Sludge Utilization permits.

NEFCO distributes the pelletized products in Maryland, Virginia, and Pennsylvania for uses such as land application to agricultural and marginal land (bulk fertilizer), fertilizer blender/manufacturers, and as an industrial fuel source. The City and its contractor dispose of pelletized and/or activated sludge to landfills on an as-needed basis. Allegany County Department of Public Works disposes treatment plant sludge at the current landfill under MDE permits.

11. Septage - Septage is collected by private haulers and can be transported to the Upper Potomac River Commission Wastewater Treatment Plant in Westernport for treatment and disposal.
12. Construction Waste - Construction wastes, most notably wood waste, drywall, and shingles are currently landfilled. As motivated by LEED and interest in greener building techniques, the County should work with the waste industry and building industry to identify and pursue opportunities to collect and recycle these materials.
13. Other
 - a. Oil - Numerous recycling collection facilities including the County Recycling Center and Mountainview Landfill accept waste oil for reclamation. Several area service stations also accept waste motor oil. No system is in place for the disposal of oil filters other than disposal at the landfill.
 - b. Antifreeze - Numerous recycling collection facilities including the County Recycling Center and Mountainview Landfill accept used ethylene glycol for reclamation. Several area service stations accept this material as well.
 - c. Capacitors - Contaminated devices once removed from old appliances are being disposed as a household hazardous waste and can be taken to the landfill.
 - d. Household Hazardous Waste - The Allegany County Commissioners have conducted one-day household hazardous waste collections in 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, and

2008. Wastes are collected, handled and disposed by a licensed company. This effort will continue on a biennial basis provided funding and public support remains available. Development of a publicly available brochure on proper disposal of Household Hazardous Waste should be considered.

- e. Fluorescent Bulbs - Fluorescent bulbs have been collected in the past at household hazardous waste collection events and can be taken to the County Recycling Center for recycling. In addition, at least one local retailer of CFLs (ex. Lowes, LaVale, MD) collects CFLs for recycling.
- f. Medicine - As of 2012 unused prescription medications may be dropped off at local Law Enforcement agencies for disposal.

14. Allegany County Apartment Building and Condominium Recycling (ABCR) Program

In April, 2012, the Maryland General Assembly passed House Bill 1, Environmental-Recycling - Apartment Buildings and Condominiums requiring recycling in all apartment buildings and condominiums that contain 10 or more dwelling units. The law becomes effective on October 1, 2012 (amending Section 9-1703 of the Environment Article, Annotated Code of Maryland). Section 9-1703 (b) (12) of the Environment Article, Annotated Code of Maryland requires each County and Baltimore City to revise its recycling plan within the Solid Waste Management Plan by October 1, 2013.

A. Apartment Building and Condominium Recycling Program

Through the cooperation of the Allegany County Department of Public Works (DPW) and local municipalities, the County has identified (59) apartment buildings and condominiums that fall under the scope of the law. Of these apartment buildings and condominiums (45) are located within municipal boundaries; the remainder (14) are in non-incorporated areas.

The County Recycling Coordinator will relay a copy of the law, the ABCR Program, including the materials that must be recycled (i.e., plastic, metal, glass containers, and paper) to the apartment and condominium owner or property manager.

Apartment and condominium owner or property manager shall decide how the materials will be stored, collected, and transported to the recycling markets, the County Recycling Center, or bonafide recycling center. Apartment and condominium owner or property manager are encouraged report to the County on an annual basis details on the required recycling activities. An online form will be prepared by the Recycling Coordinator. Other program requirements include:

1. Materials Included in Program
Recyclables include: plastic, metal, and glass containers, and paper.
2. Collection of Material
Apartment and condominium owner or property manager are responsible for providing all containers, labor, and equipment necessary to fulfill recycling requirements throughout their buildings. Distinctive colors and/or markings of recycling containers should be provided to avoid cross contamination. The apartment and condominium owner or property manager must ensure collection and transportation of recyclable materials from apartment and condominium to the location where the materials are delivered.
3. Marketing of Materials
Apartment and condominium owner or property manager are responsible for the marketing of their recyclables or delivering them to the County Recycling Center. The apartment and condominium owner or property manager are encouraged to submit annual reports detailing the recycling tonnage removed from the apartment and condominium and the markets or bonafide recycling destination for the materials.

B. Stakeholders

Stakeholders that will be involved in implementing the law are:

1. County Commissioners - Responsible for adopting language of ABCR Program for the Plan amendment.
2. County Department of Public Works - Responsible for overseeing Recycling and Solid Waste activities and maintain a list of all apartment buildings and condominiums that fall under the requirements are included in the ABCR Program.
3. County Recycling Coordinator - Communicate the requirements of the law to the apartment and condominium owner or property manager. As requested, assist apartment and condominium owner or property manager in developing a recycling program. Develop an online recycling reporting survey to be used by apartment and condominium owner or property manager in reporting recycling activities.
4. County Solid Waste Management Board - Update County's recycling plan to include the ABCR program and amend the County Solid Waste Management Plan.
5. Owner or Manager of the Apartment Building or Councils of the Unit Owners of Condominium - Responsible for providing recycling to the residents of each apartment building or condominium by October 1, 2014. Secure and manage recycling contracts with the contractor for providing material collection and recycling services from the building locations. Provide material collection bins and containers for transporting the materials from the buildings to the markets. Perform record keeping and may report to the County on annual basis.

C. Participating Apartment Buildings or Condominiums (59) in ABCR Program

	Jurisdiction	Owners/Name	ABC Address	ABC City	ABC ZIP	Units
1	Cumberland	Allegany Co Public Housing Authority	701 Furnace Street	Cumberland	21502	34
2	Cumberland	Baltimore Avenue Apartments	205 Baltimore Avenue	Cumberland	21502	43
3	Cumberland	Housing Authority of Cumberland, MD	135 N. Mechanic Street	Cumberland	21502	100
4	Cumberland	Housing Authority of Cumberland	302-304-306-308-310-312 Frederick Street	Cumberland	21502	25
5	Cumberland	Steinbach, Louis & David Trustees	10 N. Liberty Street	Cumberland	21502	68
6	Cumberland	Housing Authority of Cumberland, MD	235 Paca Street	Cumberland	21502	95
7	Cumberland	Cumberland Housing Preservation Partners, LP	220 Somerville Avenue	Cumberland	21502	114
8	Cumberland	Cumberland Partners, LP	701 Fourth Street, Apts. 103-113-115-	Cumberland	21502	71
9	Cumberland	Klot's Mill Lofts, LLC	903 Gay Street, SFD's 100 thru 103	Cumberland	21502	50
10	Cumberland	Housing Authority of Cumberland	75 (B#4 A-C) & 95 (B#5 A-H) W. Oldtown Rd	Cumberland	21502	80
11	Cumberland	Housing Authority of Cumberland	625 (Bldg #17/A-G) & 645 (Bldg #10/A-G) E. First Street	Cumberland	21502	125
12	Cumberland	Cumberland Associates, Ltd.	1500-02-04-06-08-10-12-14-16-18	Cumberland	21502	138
13	Cumberland	Allegany College of Maryland	10250 Willow Woods Court	Cumberland	21502	60
14	Cumberland	Crossgates, Inc.	229 Baltimore Avenue	Cumberland	21502	102
15	Cumberland	Cumberland Meadows, LP	12500 Willowbrook Road	Cumberland	21502	64
16	Cumberland	Craig Mahrle	805 Maryland Ave., Apts. 1 FF-Fr, 2 SF-Rr, 3 SF-Rr	Cumberland	21502	11
17	Cumberland	Gary L. Murphy	325 Pennsylvania Ave., Apt. 1 - 2 - 3	Cumberland	21502	10
18	Cumberland	Curlee Miller	311 Columbia St., Apts. 3 (SF Lft) & 4 (SF-Rt)	Cumberland	21502	10
19	Cumberland	Wolberg Leasing, LLC	607 Piedmont Avenue, Rear, Apts.	Cumberland	21502	18
20	Cumberland	Glenn T. Simpkins	818 Mt. Royal Avenue, Apts. 1-A, 2-B, 3-C,	Cumberland	21502	15
21	Cumberland	Cumberland Properties, LLC	12 S. Lee St., Apts. 1A Rt Side-1B Left Side	Cumberland	21502	11
22	Cumberland	Cendo Partners	937 Bishop Walsh Road, Apts. 3-4-5	Cumberland	21502	21
23	Cumberland	Cendo Partners	932 Seton Drive, Apts. 1 & 2	Cumberland	21502	22
24	Cumberland	Cendo Partners	947 Seton Drive, Apts. 1 through 8	Cumberland	21502	16
25	Cumberland	Matthew Kelly, Robert P. Shanholtz and Richard I. Godlove	328 Fayette St., Apts. 1 FF-Frnt Lt&2 FF Mdl Rr	Cumberland	21502	10
26	Cumberland	James E. Wilson, et al Trustees - Trust of Jeanne A. Wilson	103 Washington St., Apts. 1-A FF Front & 1-B FF Rr	Cumberland	21502	11
27	Cumberland	Dr. Marc Dinola	122 Bedford St Apt 3	Cumberland	21502	21
28	Cumberland	Jacobson Investments, LLC	212 Decatur St., Apts. 1FF-Rr & 2 FF-Rr	Cumberland	21502	10
29	Cumberland	Larry Werner	2 Altamont Terrace (FF-Front)	Cumberland	21502	11
30	Cumberland	Sinamericademy	650 Bishop Walsh Road, Apt. 302 (TF), Apt 303 (TF)	Cumberland	21502	12
31	Cumberland	Cendo Partners	951 Seton Dr	Cumberland	21502	10
32	Cumberland	11 Columbia LLC	Columbia Street	Cumberland	21502	16
33	Cumberland	Nationwide Health Properties, Inc.	506 White Avenue	Cumberland	21502	16
34	Frostburg	Failing Kermit B-thelma]	9 Main St	Frostburg	21532	18
35	Frostburg	Housing Authority Of Frostburg	Borad Way	Frostburg	21532	50
36	Frostburg	Housing Authority-frostburg	Borad Way		21532	50
37	Frostburg	Mountain View Estates	Midolothian Road	Frostburg	21532	70
38	Frostburg	Mountain View Estates	White Ash Ln	Frostburg	21532	17
39	Frostburg	Mountain View Estates	316 Braddock Road	Frostburg	21532	17

	Jurisdiction	Owners/Name	ABC Address	ABC City	ABC ZIP	Units
40	Frostburg	M-s Investments Inc	88 Park Ln	Frostburg	21532	12
41	Frostburg	Re Frostburg Llc	Village Parkway	Frostburg	21532	157
42	Frostburg	Reece Brandon P	185 Park Ave	Frostburg	21532	10
43	Frostburg	Unger Raymond W-martha R	Bobcat Ct	Frostburg	21532	11
44	Frostburg	Valley View Assoc Lmtd Partnership	Mechanic Street	Frostburg	21532	30
45	Frostburg	Washington Ridge Limited Partnerhp	200 Bishop Murphy Drive	Frostburg	21532	28
46	Allegany	Adds Squires Inc	Ulh Hwy	Oldtown	21555	11
47	Allegany	Bel Air Apartments Lp	15819 McMullen Hwy SW	Cresaptown	21502	40
48	Allegany	Bible Richard D-kimberly R	13900 Baltimore Pike	Cumberland	21502	10
49	Allegany	Cresap Knoll Apartments Inc	12902 N Cresap St	Cumberland	21502	21
50	Allegany	Cresap Knoll Apartments Inc	12916 N Cresap Knoll Ave	Cumberland	21502	24
51	Allegany	Cresap Knoll Apartments Inc	12918 N Cresap St	Cumberland	21502	24
52	Allegany	Fuller William H Jr	17202 Old National Pike	Frostburg	21532	14
53	Allegany	Holt Richard A Et Ux	345 National Hwy	Lavale	21502	11
54	Allegany	Jaynor Enterprises Inc	13102 Bowling St	Cumberland	21502	12
55	Allegany	Kelly F Patrick	300 National Hwy	Lavale	21502	16
56	Allegany	Macy Joyce B	Harold Dr	Cresaptown	21502	12
57	Allegany	Macy Joyce B	Harold Dr	Cresaptown	21502	12
58	Allegany	Squires F E Jr Et Ux Et Al	Baltimore Pike	Cumberland	21502	10
59	Allegany	Cumberland Mews Associates	16116 Orchard Mews Dr	Cresaptown	21502	32

Note: New apartment buildings or condominiums that will fall under the requirements of the law will begin participating in the ABCR when receiving occupancy permit from the appropriate jurisdiction.

D. Program Monitoring

The County Recycling Coordinator will assist the regulated entities, as requested, to comply with the ABCR Program. However, the apartment and condominium owner or property manager will conduct inspections, review service levels, investigate reported or unreported pick-up and disposal complaints, meet with residents or recycling contractor staff to educate or review practices, and review contractor compliance with the recycling contract.

The apartment and condominium owner or property manager shall be responsible to keep the residents current on new regulations, laws, and mandates affecting recycling in the apartment buildings or condominiums.

E. Program Enforcement

While the County will cooperate with and assist those regulated entities to comply with the law, the County does not plan to undertake responsibility for enforcement of this law either in its municipal or non-municipal areas.

15. Allegany County Special Events Recycling Program (SERP)

Environment Article, §9-1712, Annotated Code of Maryland, requires special events organizers to provide for recycling at special events that meet the following three criteria:

1. Includes temporary or periodic use of a public street, publicly owned site or facility, or public park;
2. Serves food or drink; and
3. Is expected to have 200 or more persons in attendance.

Projected attendance may be estimated based on past attendance, number registered to attend, the venue's seating capacity, or other similar methods. In consultation with municipalities, the County has identified the following public sites within the County that host or may host special events meeting the above criteria. In addition to the sites listed individually, special events taking place on any local, State, or Federally-owned streets are also included in the Special Events Recycling Program (SERP).

Publicly-owned sites:

The table below contains a list of all Municipal, County, State and Federal Sites that may hold Special Events.

Name	Acreage	Classification	Ownership
Allegany County Fairgrounds	151.0	Community Park	County
Allegheny Highlands Trail	417.0	Community Park	County
Bel Air Community Park	10.0	Community Park	County
Bowling Green Community Park	18.0	Community Park	County
Cresaptown Community Park	4.0	Community Park	County
Dans Rock Overlook Park	0.0	Community Park	County
Eckhart Center	2.0	Community Park	County
Ellerslie Community Park	11.0	Community Park	County
Flintstone Community Park	14.0	Community Park	County
Holly Avenue Recreation Area	8.0	Regional Park	County
Clarysville-Eckhart Community Park	12.0	Special Use Area	County
C & O Canal National Historical	3000.0	National Park	Federal
Fort Cumberland Trail	0.0	Community Park	Municipal

Frostburg Trail	4.0	Community Park	Municipal
Paris Glendenning Recreation Complex	28.0	Community Park	Municipal
Lonaconing Horsehoe Pits	1.0	Historical/Cultural Area/Sit	Municipal
Barton Ballfield	7.0	Community Park	Municipality
Barton Center Parklet	0.0	Community Park	Municipality
Barton Recreation Park	2.0	Community Park	Municipality
Barton School Memorial Park	1.0	Community Park	Municipality
Braddock Park	6.0	Community Park	Municipality
Centre Street Recreation Area	1.0	Community Park	Municipality
Donahue Field	3.0	Community Park	Municipality
East End Playground	1.0	Community Park	Municipality
Fairmont Avenue Recreation Area	1.0	Community Park	Municipality
Frostburg Community Park	8.0	Community Park	Municipality
Frostburg Mountainside Recreation	28.0	Community Park	Municipality
George Washington Headquarters	0.0	Community Park	Municipality
Greene's Addition Playground	1.0	Community Park	Municipality
Holland Street Park	2.0	Community Park	Municipality
Howard Street Park	0.0	Community Park	Municipality
Jaycees Recreation Area	2.0	Community Park	Municipality
Frostburg Lions Park	12.0	Community Park	Municipality
Lonaconing Downtown Parklet	0.0	Community Park	Municipality
Lonaconing Furnace Park	2.0	Historical/Cultural Area/Site	Municipality
Lonaconing Recreation Area	1.0	Historical/Cultural Area/Site	Municipality
Midland Municipal Ballfield	6.0	Historical/Cultural Area/Sit	Municipality
Midland Parklet	1.0	Large Urban/Regional Park	Municipality
Mount Pleasant Recreation Park	2.0	Neighborhood Park	Municipality
Pine Avenue Playground	0.0	Neighborhood Park	Municipality
Sedgewick Street Recreation Area	3.0	Neighborhood Park	Municipality
Smith Park	1.0	Neighborhood Park	Municipality
South End Recreation Area	55.0	Neighborhood Park	Municipality
Spring Street Park	4.0	Neighborhood Park	Municipality
Springdale Street Playground	1.0	Neighborhood Park	Municipality
Sundial Park	0.0	Neighborhood Park	Municipality
Taylor Community Athletic Field	2.0	Neighborhood Park	Municipality
Valley Street Park	0.0	Neighborhood Park	Municipality
Frostburg West End Park	3.0	Neighborhood Park	Municipality
Westernport Creekside Park	4.0	Neighborhood Park	Municipality
Westernport Downtown Park	0.0	Neighborhood Park	Municipality
Westernport Memorial Park	8.0	Neighborhood Park	Municipality
Westernport Municipal Park	5.0	Neighborhood Park	Municipality

Constitution Park	150.0	Neighborhood Park	Municipality
Billmeyer Wildlife Management Area	708.0	Regional Park	State
Dans Mountain State Park	481.0	State Forest	State
Dans Mountain Wildlife Management	8669.0	State Forest	State
Frostburg State University	85.0	State Park	State
Green Ridge State Forest	39040.0	State Park	State
Islands of the Potomac Wildlife	80.0	State Park	State
Rocky Gap State Park	2983.0	State Wildlife Management Area	State
Savage River State Forest	230.0	State Wildlife Management Area	State
Sideling Hill Wildlife Management	455.0	State Wildlife Management Area	State
Warrior Mountain Wildlife Management	4174.0	State Wildlife Management Area	State
LaVale Lions Ball Field	8.0	Community Park	County
Wills Mountain State Park	52.0	State Wildlife Management Area	State
Ridgedale Playground	1.0	Neighborhood Park	Municipality

A. Materials and Obligations:

Special events organizers are responsible for:

1. Providing and placing recycling receptacles adjacent to each trash receptacle at the event (except where already existing on site);
2. Ensuring that recycling receptacles are clearly distinguished from trash receptacles by color or signage;
3. Providing any other labor and equipment necessary to carry out recycling at the event;
4. Ensuring that materials placed in recycling receptacles are collected and delivered for recycling; and
5. Paying any costs associated with recycling at the special event;

Special events organizers may fulfill the requirement to ensure materials are collected and delivered for recycling through one or more of the following methods:

1. Self-hauling the materials to the County recycling drop-off site;
2. Contracting with a recycling hauler to collect the materials and deliver them for recycling; or
3. Receiving prior agreement from the site owner to use an existing recycling collection system available at the site.

Recycling at a State-owned site must follow the State agency's recycling plan, if available. Recycling at a federally-owned site must follow any applicable federal recycling plan. If no State or federal recycling program is available for the site, the special event organizer must set up a recycling program in accordance with the SERP. Recycling at municipally-owned sites must follow any additional regulations established by the municipality.

B. Stakeholders:

The following stakeholders will be involved in the SERP:

1. Allegany County Department of Public Works (ACDPW) may oversee recycling activities and may provide assistance to all properties that potentially host events falling under the recycling mandate in §9-1712 that are included in the SERP.
2. ACDPW in cooperation with Allegany County Solid Waste Management Board will publicly communicate the requirements of the law to prospective special events organizers and owners/operators of publicly-owned sites in the County. Allegany County Department of Public Works Solid Waste and Recycling may assist special events organizers in setting up recycling programs; monitor the progress and performance of the SERP; and develop and communicate any additional requirements for recycling under the SERP at county-owned facilities.
3. Special Events Organizer: Responsible for providing recycling bins and ensuring collection for recycling in accordance with the requirements in §9-1712, beginning the later of October 1, 2015.

C. Program Monitoring:

The special events organizers may cooperate with the County Recycling Coordinator to monitor progress and performance of the SERP, as follows:

Outreach- Special Event Recycling Fact Sheet,

outlines the SERP requirements to SEOs are available on the County's Recycling webpage: gov.allconet.org/recycle.

Monitoring: Special Event Recycling Report Form may be used to report to Allegany County's Recycling Coordinator the amount of recycled material at the special event. The Report Form is available on the County's Recycling webpage: gov.allconet.org/recycle.

The special event organizer (SEO) is responsible for monitoring the implementation of recycling at the special event. Special event organizers must oversee placement and labeling of recycling receptacles and collection and recycling of recyclables. Performance of any recycling contractor engaged for compliance with the SERP may be monitored by the special event organizer. The special event organizer must promptly take action to correct any deficiencies in the contractor's performance.

D. Program Enforcement

While the County will cooperate with and assist those regulated entities to comply with the law, the County does not plan to undertake responsibility for enforcement of this law either in its municipal or non-municipal areas.

(c) Sizing, Staging and Capacity of Solid Waste Facilities

1. Landfill - The original Phase III permit area for the Mountainview Landfill was based on a 39.9 acre footprint. The total site area of 500 acres would provide additional future capacity.

A revised useable life projection based on recent tonnages, increased net air space capacity due to improved compaction methods and a redesigned footprint that improved use of the permitted acreage now extends into the year 2022. The source of this projection is from data generated for Mountainview Landfill's 2012 Annual Operating Report to MDE and discussion with the Landfill Operator. Under the current contract between the County and Mountainview Landfill, Inc., Mountainview will pursue expansion of the current landfill which would result in adequate disposal capacity throughout the contract period (2013-2033).

A wide range of County operated recycling services are available at the landfill, including cardboard collection, newspaper, magazines and office paper, waste oil and antifreeze collection, #1 and #2 plastics, cans and glass. In 2013, the recycling drop-off area was reconfigured to improve efficiency of traffic flow in the recycling area. Mountainview Landfill should be adequate for County needs for the duration of the planning period. Further long-term development of disposal capacity at Mountainview Landfill property should receive thorough consideration as an alternative to developing a new landfill site in the County.

2. Green Box Sites - The system for disposal of solid waste in the outlying areas of the County is adequate. The facilities are manned and fenced, and recycling is available at these sites. The installation of compactor units at these eastern sites should be considered as previous economic analysis shows such installations to have a favorable return. A lease/purchase option for such units may ease the cash flow burden of the initial purchases.
3. Waste Oil Disposal Sites - There are currently ~~five~~ four (4) sites in Allegany County where the public may take their used oil in addition to several area service stations and auto parts retailers. These collection sites are adequate for the County's needs.
4. Recycling - Allegany County is recycling 30%+ of the total waste stream via the following MRA eligible recycling activities:
 - a. In, 2012 the Maryland General Assembly passed the Recycling Rate and Waste Diversion - Statewide Goals Act. The Act revises the Maryland Recycling Act (1988) by increasing the mandated recycling rates for all Maryland jurisdictions to at least 35% or 20%, depending on population. The Plan must be fully implanted by December 31, 2015.
 - b. Household Recyclables - Drop boxes located throughout the County should be adequate to handle the collection needs for recyclables (cans, glass bottles, plastics, office paper,

magazines, cardboard, and newspapers) during the planning period with the addition of new boxes and sites as the need requires. In May 2012 a plan to reorganize the recycling sites was approved by the County Commissioners; the goal being to collect a more comprehensive suite of materials at each site, better secure sites to minimize contamination, and maximize availability and participation. This plan is being pursued.

- c. Yard Material Compost - The County is operating a yard material acceptance facility on County Property in Mexico Farms. Based on the success at this site and demand in other parts of the County, the establishment of a satellite composting site in the western end of the county should be pursued. In addition, backyard composting should be encouraged with education and outreach. In that regard, in 2012, the Solid Waste Management Board sponsored the sale of backyard composters and rain barrels to the public.

- b. Commercial Recycling - Eighty percent of the County's recycling tonnage is generated by the commercial sector from recycled paper, cardboard, batteries, textiles, renderings, residuals, and metals. This area presents the greatest potential for increasing recycling tonnages and should be expanded. Allegany County should provide incentive for commercial recycling through the establishment of a green business designation or by publicizing the recycling rates of businesses as reported in annual MRA surveys.

- c. Curbside Recycling- Burgmeier's Hauling Inc. offers free curbside recycling of selected materials to its subscription waste disposal customers in Allegany County. They also have contracted with the City Of Frostburg to offer optional, monthly, subscription curbside recycling of selected materials to City residents at a cost of \$5.00 per month. To encourage participation, the Mayor and Council have innovatively established a \$1.00 per month reduction in trash collection fees for Burgmeier customers. In 2014, Burgmeier's began

collection every 3 weeks.

- d. E-cycling - electronic recycling is provided on a year-round basis by Penn-Mar Recycling at the County Recycling Center and Allegany Electronic Recycling in Cresaptown. Allegany Electronics has also conducted on-site e-cycling events within the City of Frostburg.
 - e. Other Programs - The County collects used cardboard and office paper for recycling at the County recycling center and various collection sites. Continued expansion of this program and establishment of satellite collection sites should be considered.
5. Rubble Fill - Mountainview Landfill accepts rubble and demolition wastes. Since rubble tonnage is included with the various wastes listed on Table III-I LANDFILL WASTE STREAM PROJECTIONS BY TYPE, Mountainview Landfill should be adequate for the County's rubble disposal needs.

The types of wastes which may be disposed at a rubble landfill site are: trees, land clearing, and demolition debris that is not a controlled hazardous substance as defined by the Annotated Code of Maryland.

6. Household Hazardous Waste - No permanent facilities exist for the collection or storage of household hazardous waste. In 1994, the County initiated an annual household hazardous waste (HHW) collection day. A continuation of the HHW collection day on a biennial basis is considered adequate.
7. Residential Red Bag Wastes - No adequate facilities or procedures exist for effectively controlling the disposal of residential red bag medical wastes. These wastes which can include needles, bandages, and body fluids, are being discarded with regular household refuse and can pose a threat to refuse collection and landfill operations personnel.

The disposal of residential red bag waste generated in Allegany County is not covered by any special management program. Health care providers are educating their patients as to the proper disposal of residential red bag wastes.

(d) Schedule for Placing New Solid Waste Disposal Systems and Acceptance Facilities Into Operation

In issuing a permit for the 39.9 acre Mountainview Landfill site at Vale Summit in February 1992, the Maryland Department of the Environment has made a determination that the Mountainview Landfill complies with pertinent Federal and State laws regulating municipal waste sanitary landfills. Its permitted capacity meets Allegany County's needs through the year ~~2016~~ 2022. In addition, expansion of the current landfill, as discussed in the contract between Allegany County and Mountainview Landfill, Inc. (Appendix A) would provide adequate disposal capacity throughout the planning period.

Therefore, with the possible exception of development of a land clearing landfill and pending construction of a previously permitted transfer station by Advanced Disposal and pending development of a construction waste recycling site north of Midland, it is not envisioned that any major, new solid waste disposal systems or acceptance facilities will be placed into operation during the ten-year planning period covered by this current plan.

It is also noted that in 2014, Frostburg State University will require its food vendor to implement waste food composting.

(e) Financing Solid Waste Systems

Since the Mountainview Landfill is a privatized facility, Allegany County is not responsible for the cost of its design, construction, operation, closure or post-closure. Similarly, since most trash collection in the unincorporated areas of the County is contracted on a subscription basis with private firms, the County is not responsible for these costs. Municipalities either provide collection service, contract for their residents or require the residents to contract privately, with no cost responsibility to County government. While the County is relieved of the above solid waste financial burdens, there are still elements of the solid waste system for which the County is responsible. A brief discussion of each follows:

1. Green Box Refuse Disposal Sites - In February, 1998, the County implemented a tag program for use at their four (4) refuse disposal facilities. A Initially \$.50, a \$0.75 fee is currently charged for a normal trash bag or can, and additional fees have been established for bulky items.

In Fiscal Year 2012, the tag system generated \$173,610 (44%) toward offsetting a ~~\$412,398~~ \$393,667 cost of providing the green box service to collect, transport, and dispose of 3168 tons of solid waste (see Appendix I). The balance is paid from the County's General Fund. To more equitably offset costs, an increase in the tag fee is recommended.

2. Recycling - Since 1992, the County has assessed a \$1.00 per ton surcharge fee on all County trash disposed in the landfill to help offset the cost of its recycling efforts. In January 2000, that fee was increased to \$1.50 per ton. During Fiscal Year 2012, the \$1.50 per ton fee raised ~~year~~ \$38,430, as compared to the County's recycling cost of \$167,231(see Appendix I). Effective February 2013, Allegany County received \$1.00 per ton host fee on out-of-County waste accepted at Mountainview Landfill. These funds are applied to the County recycling budget.

The County does not receive any recycling fee on municipal solid waste which is commercially collected in the County but removed for disposal at an out-of-County landfill. It is recommended the County receive a recycling fee on all municipal solid waste collected in Allegany County.

It is recommended that in preparation of each 3-year Update of this Solid Waste Management Plan, thorough cost analysis be completed to determine the most cost-effective use of recycling funds. Additionally, in the expectation that additional solid waste acceptance facilities could develop in the County in the future, it is deemed necessary for the County Commissioners to enact legislation requiring collection of a recycling fee on all non-recyclable, disposal bound wastes generated in Allegany County, regardless of the location of the facility in which it is ultimately disposed. It is further recommended that beginning in 2013, the "host fee" that will be collected by Allegany County on out-of-County waste landfilled at Mountainview Landfill be applied to the County's recycling program. To the extent practical, the cost of the County's recycling program should be offset by a combination of fees and recycled

product revenues.

3. Yard Material Compost Site - The County operates a yard material compost recycling site. Diverting yard material from the landfill conserves valuable landfill air space and in turn will extend the available life of the landfill. At nearly ~~\$50,000~~ \$40,000 per year, expenditure on its operation is significant. The sale of compost is a possible source of revenue to offset this cost. However, the liability for quality and administrative issues associated with sale of compost to the public would result in increased processing costs. Some compost has been sold to a commercial mulch operation who further processes and packages the compost for sale, with no liability to the County. Therefore, the sale of compost is only recommended to commercial processors. County residents can continue to pick-up compost at the site for no cost.
4. Closure costs - The County is responsible for closure costs at the Vale Summit (Cabin Run) Landfill and Westernport (Moran) Landfill.

The Vale Summit Landfill was closed with placement of a synthetic cap in 1994 at a cost of \$1,150,000. Funds for this work were paid from the County's 1981 and 1988 Public Improvement Bonds and other County funds.

The Westernport Landfill was closed with placement of a synthetic cap in 2004. The cost of that project was \$946,000. Of that total, \$216,000 was funded by MDE as part of a scrap tire drainage system demonstration grant. The remaining \$730,000 was borrowed with a 20-year State Revolving Fund loan which will be paid back from the County general fund.

After the existing landfills are adequately closed, the County is still responsible for the costs of groundwater monitoring activities which currently total \$15,000 per year. It is expected these costs will be included in the Solid Waste budget from general County funds.

5. On October 9, 1991, the U.S. Environmental Protection Agency (EPA) issued its rule, "Solid Waste Disposal Facility Criteria" (40 Code of

Federal Regulations [C.F.R.] Parts 257 and 258) as provided for under the Resource Conservation and Recovery Act, Subtitle D. This EPA rule establishes municipal solid waste landfill (MSWLF) closure requirements for all MSWLFs that accept solid waste after October 1, 1991. Financial assurance requirements apply to MSWLFs that receive solid waste after October 9, 1993.

These rules currently do not apply to the County because it's neither an owner nor operator of a municipal solid waste landfill. In the event the County should choose to operate a municipal landfill, the County would assume a significant financial burden in complying with the rule.

(f) Closure of Solid Waste Acceptance Facilities

Allegany County's sanitary landfills ceased receiving wastes on February 3, 1992. Those landfill sites must proceed through a closure procedure in accordance with COMAR 26.04.07.21 and EPA Subtitle D.

The EPA Subtitle D regulations require post-closure groundwater monitoring for a 30-year period.

Although the COMAR regulations require that closure efforts begin within twenty-four (24) months of the landfill's last acceptance of waste, Allegany County's efforts lagged behind this requirement.

As discussed in Chapter III, Section (5)(f), in Summer 1994, Allegany County installed an MDE approved synthetic cap on the Vale Summit Landfill. In Summer 1993, a fly ash and earthen cap was placed over the Westernport Landfill with a final synthetic cap placed in 2004.

Groundwater monitoring and methane gas probe wells are in place at both sites and required sampling is on-going, with results being submitted to MDE for review. In 2013, several gas relief trenches were installed in response to elevated methane readings.

(g) Changes in Programs, Plans, Regulations, and Procedures (based on the assessment conducted in Chapter IV).

This section has been organized according to the municipal solid waste management hierarchy of Reduce, Reuse, Recycle/Compost, and Landfill as adopted in

Chapter IV. Segments for "Education" and "Finance" have been added to this list.

1. Solid Waste Management Board

On December 19, 1996, the Allegany County Commissioners formed the Allegany County Solid Waste Management (SWM) Board to serve as an advisory body on matters pertaining to solid waste disposal and recycling, and to prepare updates of the County's Solid Waste Management Plan.

The SWM Board operates under the By-Laws which were approved and have been subsequently amended by the County Commissioners. A copy of the current By-Laws is included in Appendix D of this Plan. It is recommended the By-Laws continue to be revised and amended as needed.

It is recommended in its deliberations, the SWM Board remain committed to the Reduce/Reuse/Recycle/Compost/Landfill hierarchy of solid waste management.

2. Reduce

- a. Encourage municipalities and other solid waste handlers to develop and implement variable rate pricing systems (aka. Pay-as-You-Throw, PAYT) as financial incentives to those residents who reduce, reuse, recycle, and compost. Paying for solid waste collection based upon the weight or volume has proven successful in reducing the tonnage going to landfills and the dollar cost of tipping fees.
- b. The County should encourage variable rate pricing through education of the general public and, more specifically, the municipal, financial and public works officials who oversee the local programs. Sponsoring outside speakers representing successful programs, dissemination of information/articles, and regular meetings of County and local officials are suggested.
- c. Encourage municipalities to annually evaluate cost effectiveness of waste disposal methods as compared to recycling.

- d. In 1994, the State of Maryland banned yard waste from being disposed at landfills. As a source reduction technique, yard material should be diverted from the general waste stream and its disposal discouraged at the landfill. Yard waste can be diverted from the general waste stream by: a) composting at the source in simple composting devices or b) delivery to the County-operated composting facility. (See Chapter III, Section (6)(c) and Chapter IV, Section (4)(b)).

3. Reuse

This is an educational issue and is addressed in Chapter V (1) and (2)(g)7.-Education.

4. Recycle

- a. In 1991, the County compost site was established as Allegany County's first recycling priority (Phase I). It has become an essential part of the County's yard material recycling program as per Chapter V(1) and (2)(g)5.-Compost.

- b. A County-wide drop box program for household recyclables (bimetal cans, clear, brown and green glass bottles, cardboard, magazines, office paper, and newspapers) was implemented under Phase II. However, to date, it is estimated less than 20% of household waste is collected through the drop box program. Development of more efficient and effective ways to collect household recyclables should remain a priority. Similarly, the collection of other recyclable materials should be considered as it becomes economically feasible.

The County drop box program needs continual public education as per Chapter V(1) and (2)(g)7.-Education.

- c. Curbside collection of household recyclables was recommended as Phase III, but due to

operational and institutional barriers, has not yet been widely implemented. Frostburg no longer collects newspapers at curbside one day per month, but as detailed on page V-14, have agreed to allow Burgmeier Hauling to offer curbside recycling for a fee. Unfortunately, Cumberland's pilot curbside newspaper project met with less than 15% participation within its target areas. On-going consideration should be given to curbside recycling especially by municipalities and solid waste handlers who offer curbside trash collection. Collectors and haulers should be encouraged to provide recycling services similar to that being offered by Burgmeier's Hauling.

- d. A centralized cardboard recycling program was opened to the public in 1995. The collection of cardboard, magazines, office paper, and other paper products has been minimally decentralized through the development of satellite collection sites. Although a pilot project by the City of Cumberland to pick-up commercially generated cardboard met with minimal success, other potential County/municipal and public/private partnerships with additional decentralization should be explored. One such effort is Burgmeier Hauling's providing public drop-off collection boxes for cardboard at the Frostburg Dog Park.
- e. Commercial and institutional generators currently account for about 80% of the County's recycling effort. However, since a much greater percentage of commercial waste is potentially recyclable, continual education of this sector as to current methods in industry and business waste collection and recycling is needed.
- f. The County should consider establishing a regular non-commercial fee-based scrap tire collection program and encourage municipalities to organize clean-up projects.
- g. Recycling in the public schools is currently coordinated by staff who collect materials and transport them to the County Recycling Center

for processing. Opportunity exists to expand the number of schools involved and the types of materials collected. As these programs expand, it would be worthwhile for ACPS and ACM to investigate the feasibility and economics of contracting some of these efforts as opposed to performing them with staff.

5. Compost

- a. Foster an increase in backyard composting through a combination of public education and demonstration projects in cooperation with County Extension Agencies, Soil Conservation District, area garden clubs, County schools, and their student environmental clubs. Future efforts to sponsor the sale of backyard composters and rain barrels is also encouraged and to be evaluated each January.

While the County Compost Site in Mexico Farms is a well known and successful site, consideration should be given to the development of satellite sites to increase County-wide participation.

Recent development of the Frostburg Grows food growing facility, south of Frostburg, provides a near-by use for ~~compost~~ residential yard material collected by the City of Frostburg.

6. Landfill

- a. Future Siting of Sanitary Landfills
As outlined in Chapter IV, "Assessment of Needs", the present 39.9 acre permitted Mountainview Landfill, which is located within a total tract of approximately 500 acres, has a projected life until well into the year 2016. Based on preliminary permit work and extensive evaluation, Mountainview Landfill, Inc. believes additional landfill acreage can be developed within the remainder of the 500 acre tract. As development of this additional acreage would preclude the need to site any additional landfill(s) and allow for extended disposal capacity well into the twenty-first century, it is recommended expansion of this landfill be thoroughly and seriously

considered.

In 2007, Allegany County Department of Public Works prepared an Analysis of Future Solid Waste Disposal Options for Allegany County, MD for public review. This report compared alternatives of expanding the existing landfill, constructing a new landfill or constructing a solid waste transfer station to manage waste after the expiration of the current landfill contract (2013). This report concluded that it would be in the County's best interest to pursue expansion of the existing landfill. Allegany County therefore negotiated a new contract with Waste Management for the period 2013-2033 (Appendix A) to expand the existing landfill. This proposed expansion will adequately serve the County's needs through the planning period.

7. Education

Methods to educate the public concerning municipal solid waste and the Reduce/Reuse/Recycle/Compost hierarchy need to be continually updated.

- a. Channels/venues for this public education include:
 - i. Public and private schools in Allegany County, such as the telephone book recycling contests and Green Team presentations. Other successful school-based activities since 2000 have included:
 - (a) Magic of Recycling stage show.
 - (b) Distribution of solid waste videos and teacher recycling kits.
 - (c) County recycling logo contest.
 - ii. The Allegany County Recycling web page: www.gov.allconet.org/recycle
 - iii. "Recycling in Allegany County" information section in the local telephone directory.

- iv. Expand County Recycling Newsletter and add informational brochures on subjects such as Household Hazardous Waste disposal.
- v. "Positive Publicity" such as Annual Recycling Awards (businesses, groups, individuals), News Profiles of Public Programs (e.g., Martin's Food Market's \$.03/reused bag and GO 106' Radio Station's public education recycling campaign), and Private Programs (e.g., Wal-Mart and other markets plastic bag collections), and Frostburg Village Nursing Home's switch to reusable table service in the dining hall and Green Team impact).
- vi. The media in general, including regular recycling columns in the local newspaper and programs such as Newspaper in Education.
- vii. Presentations and displays for area organizations and at community functions such as:
 - (a) Leadership Allegany!
 - (b) Allegany County Fair
 - (c) Earth Day and America Recycles Day celebrations
 - (d) Larger festivals and events
- viii. Other forms of outreach include past efforts to distribute:
 - (a) mass mailings of Source Reduction tips
 - (b) recycling based placemats for restaurants
 - (c) recycling bumper stickers on County vehicles
 - (d) information to university students via Frostburg State University's Channel 3 TV Station

- b. The following issues are worthy of public education efforts:
 - i. Waste stream components
 - ii. Reduce, Reuse, Recycle/Compost, Landfill hierarchy
 - iii. Buy Recycled
 - iv. Pre-Cycling
 - v. Closing the Loop
 - vi. "Pre-" vs. "Post-Consumer" Content
 - vii. "Durable" vs. "Disposable" purchasing
 - viii. Backyard Composting
 - ix. Variable Rate Pricing vs. Flat Fee Rates
 - x. Life-Cycle Analysis of Products
 - xi. Allegany County's Reuse Directory
 - xii. Allegany County Source Reduction Fact Sheet

- c. In order to facilitate development of a regional perspective of solid waste management, we should encourage exchange of County Solid Waste Management Plans information, ideas and experiences with Washington and Garrett counties in Maryland and the appropriate contiguous waste management jurisdictions in Pennsylvania and West Virginia.

- d. The Solid Waste Management Board should work with other groups (such as Living Green, Learning Green, LGLG, at Frostburg State University, Allegany County Chamber of Commerce and TGCC, The Greater Cumberland Committee) to promote events and projects that work towards the County's goals of reduce, reuse, recycle, and compost.

(8) Finance

The County should implement waste disposal fees to fully fund the County's Recycling and Composting programs as stated earlier in Chapter V (e)2.

(h) Recommended Regulatory/Legislative Changes

- 1. A program to control illegal dumping should include the following elements:

- a. Education - An educational period, during March/April leading up to Earth Day, should be provided by Allegany County Health Department, Soil Conservation District, Allegany County Board of Education, and municipalities within Allegany County.
- b. Enforcement - The Litter Control Law, Article 27, Section 468, in the Annotated Code of Maryland (See Appendix E) outlines the penalties for littering, illegal dumping, unlawful use of private dumpsters, and illegal use of curbside pickup. This is to be enforced by the County Health Department, State Police, Sheriff Department, Bureau of Police, Department of Natural Resources, City of Cumberland Police, and City of Frostburg Police in conjunction with the State's Attorney.

It is recommended that there be one enforcement person within the County who is responsible for all complaints.

The County has purchased a Groundhog camouflaged surveillance camera system to monitor illegal dumping. Efforts to prosecute illegal dumpers have not been successful, but the equipment has been upgraded and the effort should not be abandoned.

- c. Funding - Judges should be encouraged to levy fines for violation of the Litter Control Law as proceeds are disbursed back to local jurisdictions to defray the cost of removing and controlling litter. Regardless of the punishment assessed following the arrest and conviction for littering, illegal dumping, unlawful use of private dumpsters, or illegal use of curbside pickup, it is recommended that the case be publicized in order to discourage others from the same action.
2. Local, state, and federal initiatives that are necessary to reduce the solid waste stream through recycling and to improve markets for recycled materials.
 - a. A job description for the County Recycling Coordinator has been developed and should be kept current. It is recommended this critical position be funded as a full-time position.

- b. Appropriate officials are urged to work with elected representatives and the Maryland Department of the Environment to enact legislation which will increase markets for post-consumer materials.
 - c. Construction of incinerators for disposal of municipal solid waste should not receive support from the County in the permitting process. (See Chapter IV, Section (4) (a))
 - d. Encourage and support the local health care providers in developing effective programs for the proper, safe packaging, and disposal of residential red bag medical wastes to protect both the environment and solid waste industry employees.
3. County ordinance and procedures should be adopted or modified as recommended below to address problems and expected changes in the solid waste disposal area.
- a. Adopt formal language in the County Zoning Ordinance pertinent to establishment of a "Construction Site Waste Management Statement" for the approval and issuance of permits for Commercial, Industrial, Institutional and Multi-Family Development to:
 - i. Ensure that waste generated during construction will be processed and/or managed in a manner that will protect the ambient air, surface water, groundwater, drainageways and soil quality, and to minimize on-site and off-site pollution.
 - ii. Ensure compliance with the Allegany County Solid Waste Management Plan and all local, state and federal regulations and laws.
 - iii. Continue the County's effort to encourage recycling of applicable materials (solid or liquid) in the private, commercial, institutional, and/or industrial sector.
 - iv. Reduce the quantity of waste generated within the County.
 - b. Adopt formal language in the County Zoning Ordinance pertinent to storage and collection of refuse such that:
 - i. No materials or wastes should be deposited in such form or manner that these materials or

wastes may be transferred off the lot by natural causes or forces.

- ii. No substance which may contaminate a stream or waterway, or render such a stream or watercourse undesirable as a water supply or for recreation, or which will destroy aquatic life is permitted to enter said stream or waterway.
- iii. Any materials which may cause odors or contribute to the attraction or harborage of animals, rodents or insects should be stored in enclosed containers, or removed immediately from the property and deposited in refuse container designed for the intended purpose.

4. Local laws or regulations pertaining to the collection and disposal of solid waste should be established as recommended below:

- a. Recycling fees should be required to be collected on all non-recyclable, disposal-bound waste generated in Allegany County regardless of the location of the facility for ultimate disposal.
- b. A licensing procedure should be implemented for all collectors/haulers of commercial and municipal solid waste and recyclables in Allegany County. This licensing procedure, necessary for the County to accomplish the fee collection in paragraph (a.) above should set forth minimum qualifications. (See Appendix H for a conceptual outline of a recommended licensing program.)

(i) Recommended Organizational/Programmatic Changes and Considerations

- 1. Continued assignment of a qualified individual to monitor the operation of the Mountainview Landfill and the closure and post-closure of existing landfills. This individual should have basic training and experience in the operation of solid waste facilities and be kept abreast of technological and regulatory changes by attending available schooling opportunities.

In addition to landfill operation, this individual should be knowledgeable and involved in the County's recycling, composting, and waste collection programs in general.

2. At least every three years, perform a comprehensive review/audit of the County's recycling program operations and costs including consideration of the following programmatic changes:
 - a. Addition of satellite compost sites.
 - b. Development of commercial cardboard collection mechanism.
 - c. Development of up-to-date literature on disposal of household hazardous waste and re-establish regular Household Hazardous Waste Collection Days.
 - d. Implementation of an annual or biennial "for fee" scrap tire collection program.
 - e. Collection of additional recyclables as operations and costs permit.
 - f. Development of direct markets for recyclables either singularly or in conjunction with other jurisdictions.
 - g. Analysis of curbside collection options, including single stream recycling.

3. Continue to remain cognizant of emerging technologies that impact solid waste disposal and recycling and investigate how they may benefit Allegany County's programs.

APPENDIX A

CONTRACTS

LANDFILL AGREEMENT

THIS AGREEMENT, made and entered into this 18th day of December, 2008, by and between MOUNTAINVIEW LANDFILL, INC., a Maryland Corporation and wholly owned subsidiary of Waste Management, Inc., hereinafter referred to as "Mountainview", and the BOARD OF COUNTY COMMISSIONERS OF ALLEGANY COUNTY, MARYLAND, a body corporate and politic of the State of Maryland, hereinafter referred to as "County".

WITNESS:

WHEREAS: The County is in need of a disposal facility for the proper disposal of nonhazardous solid waste generated by County residents and businesses; and

WHEREAS: Mountainview, a wholly owned subsidiary of Waste Management, Inc., owns and operates Mountainview Landfill near Frostburg, Maryland (hereinafter "Existing Landfill"); and

WHEREAS: The County and Mountainview currently have a November 16, 1987 Agreement with Amendments in effect concerning the operation of the Existing Landfill which expires on February 1, 2013; and

WHEREAS: The County and Mountainview desire to establish a contractual relationship to facilitate the expansion of the Existing Landfill (hereinafter "Landfill"), for the purpose of continued solid waste disposal use after February 1, 2013;

NOW THEREFORE, in consideration of the foregoing premises, and for other good and valuable reasons, the parties hereto, intending to be legally bound, agree as follows:

SECTION A – EXISTING LANDFILL

1. **Existing Landfill** – Mountainview shall be responsible for construction, permitting, operation, closure and post closure care of the Existing Landfill in accordance with terms of the November 16, 1987 Agreement with the County, as amended, all applicable Federal, State and local regulatory requirements.

SECTION B – EXPANDED LANDFILL

1. **Construction of Expanded Landfill** – Mountainview shall use its best efforts, at its own costs, to engineer, obtain permits and construct the Expanded Landfill on the property of the Existing Landfill and take all necessary steps to operate the Landfill in accordance with all standards and stipulations imposed by any Federal, State or local authorities, and the terms of this Agreement.
 - a. Landfill Gas System – the parties agree the Landfill design and construction shall include a Maryland Department of the Environment (MDE) approved active

landfill gas extraction, collection and disposal system of type selected by Mountainview.

- b. Permit Denial – if Mountainview is unsuccessful, despite its best efforts, in obtaining all necessary permits and approvals for construction of the Landfill, Mountainview may terminate this Agreement prior to February 2, 2013 without further obligation to the County, provided Mountainview agrees to extend the terms and service under the Existing Landfill through the date on which the disposal capacity of the Existing Landfill is exhausted, at which point the November 16, 1987 Agreement, as amended, and this Agreement, shall expire.

2. **Authority: Designation of Landfill** – The County represents that it has the authority to enter into this Agreement and that it has obtained all necessary approvals of this Agreement under all applicable laws, regulations, ordinances and resolutions, including any public notice or hearing procedures which may be applicable, and agrees that it will designate the Landfill in its Solid Waste Plan as a sanitary landfill permitted in the County. The County shall not take any actions during the term of this Agreement that would adversely affect Mountainview's rights hereunder or ability to perform hereunder.

3. **Disposal Capacity** – Mountainview agrees that during the term of this Agreement it will make available sufficient space in the Landfill for the disposal of all nonhazardous solid waste (hereinafter "Acceptable County Waste") consisting of Municipal Solid Waste (hereinafter "MSW") and Construction Demolition Waste (hereinafter "CD") generated by residents, commercial and industrial establishments located within the County which can be disposed of legally at the Landfill, consistent with all applicable environmental laws, regulations and permits.

- a. Mountainview shall be permitted to accept and dispose of the following maximum annual volumes of solid waste at the Landfill:

(1)	Calendar Years 2013 to 2017	-	135,000 Tons
(2)	Calendar Years 2018 to 2022	-	145,000 Tons
(3)	Calendar Years 2023 to 2027	-	155,000 Tons
(4)	Calendar Years 2028 to 2032	-	165,000 Tons
(5)	Partial Year 2033 (January 1 – February 1)	-	13,750 Tons

- b. Mountainview shall be entitled to accept and dispose of MSW and CD from outside Allegany County. The maximum amount of MSW and CD allowed from outside Allegany County shall be the difference between the date appropriate maximum annual volume allowed in paragraph 3.a. above and the total of MSW and CD disposed of from Allegany County sources. If that difference is less than 50,000 tons in any given year, Mountainview shall be entitled to accept and dispose of up to 50,000 tons of MSW and CD from outside Allegany County and the maximum annual volume will be increased for that year to accommodate those 50,000 tons.

- c. Mountainview shall provide monthly and annual reports to the County showing the type, amount and origin of waste (in-County vs. out-of-County) disposed at the Landfill.
 - d. Unless otherwise approved in writing by the County, all solid waste disposed in the Landfill shall be subject to the limits set forth in the previous paragraphs 3.a. and 3.b.
4. **Disposal Fees** – The Disposal Fee (i.e. tipping fee) charged per ton for solid waste generated in Allegany County shall be determined as follows:

- a. Allegany County Waste – the initial Year 2013 Disposal Fee shall be based on the extension of the current published Year 2008 disposal fee for Municipal Solid Waste and Construction Demolition Waste (\$41.50/ton and \$56.50/ton, respectively) by application of the Consumer Price Index – All Urban Consumers US Cities Average (CPI) until February 2, 2013. The CPI shall be modified by the parties to eliminate the effects of the price of gasoline as a percentage of the CPI already included in fuel surcharges described in paragraph 4.c. below. However, the Year 2013 Disposal Fees shall not exceed:

Municipal Solid Waste	\$50.00/Ton
Construction Demolition Waste	\$64.00/ton

The Year 2013 Disposal Fees listed above shall only be exceeded in the event that Mountainview incurs large, unusual, documented expenses in construction of the Expanded Landfill. In the event the average cost of construction exceeds \$320,000 per acre of landfill footprint, Mountainview reserves the right to pass the additional excess cost on to Allegany County. The County shall have the right to accomplish the payback of the excess cost by authorizing an increase in the initial 2013 Disposal Fee based on an amortization of the excess cost over the waste volume benefitting from said costs. Mountainview agrees to provide detailed documentation of such excess costs for County review.

- b. Waste from Adjacent Counties – the Disposal Fees charged for MSW and CD Waste generated in adjacent counties and disposed of in the Landfill shall be established by Mountainview, but shall not be less than the Disposal Fees for MSW and CD waste generated in Allegany County.
- c. Surcharges – in addition to the Disposal Fees, Mountainview may apply fuel and environmental surcharges as developed by Waste Management, and applied uniformly to like customers. The Waste Management fuel charge is adjusted weekly and is based on information publicly reported by the United States Department of Energy. The environmental surcharge is currently 4.2% and is subject to adjustment based on increased environmental compliance and monitoring costs.

- d. Future Increases in Disposal Fees - each year after 2013, the in-county "not to exceed" base tipping fee may be adjusted annually on April 1 of each year based upon the previous year's 12-month change in the CPI Index, modified by the parties, to eliminate the effect of the price of fuel, already included in the surcharges described in the previous paragraph 4.c. Waste Management will notify the County of the price increase and meet with the County to provide and review necessary details to justify the adjustment.
 - e. Additions to CPI – In the event that the annual CPI adjustment does not meet the increased operating cost at the facility, a request may be submitted to Allegany County outlining any additional price increase amounts above the CPI increase and details regarding the variables that make up the need for the additional increase (e.g., regulatory requirements, utilities, etc.). The parties agree to be reasonable in making and reviewing such requests.
 - f. Other Adjustments – the parties agree that any fees, charges, costs or assessments imposed upon the collection and/or disposal of waste that result from a change in Federal, State or local law will also be added to the applicable Disposal Fee at the time such fees are implemented.
 - g. Reduced In-County Disposal Fees – in the event Mountainview decides to offer a lower than posted Disposal Fee to haulers for waste generated in Allegany County, such reduced rate shall be discussed with and approved by the County prior to its implementation. Such reduced rates will only be considered for high volume haulers and shall not be considered as justification for Additions to the CPI as described in the previous paragraph 4.e.
 - h. Out-of-County Disposal Fees – Mountainview shall have the right to set Disposal Fees for waste generated from non-adjacent counties outside Allegany County. However, these rates shall not be set artificially low or be considered as justification for Additions to the CPI as described in previous paragraph 4.e.
5. Recycling Fees – in addition to the Disposal Fee, the County may direct Mountainview to collect a recycling fee on each ton of waste disposed at the Landfill that is generated in Allegany County.
- a. Payment of Fee – the collected Recycling Fee (currently \$1.50 per ton) will be forwarded to the County on a monthly basis with payment due for the month by the 15th day of the following month. The Recycling Fee shall not apply to any reduced rate or free disposal of waste tons that Mountainview may, from time to time, offer to the County.
 - b. Modification of Recycling Fee – The County may modify the amount of the Recycling Fee by advising Mountainview, in writing, of its desire to do so. The modification will become effective the following April 1.

6. **Out-of-County Host Fee** – in addition to the Disposal Fee, Mountainview shall collect and remit to the County a Host Fee for each ton of waste disposed at the Landfill that is generated outside Allegany County.

a. Payment of Fee – the Host Fee shall be forwarded to the County on a monthly basis with payment due for the month by the 15th day of the following month.

b. Amount of Host Fee – the amount of the Host Fee shall be as follows:

February 1, 2013 through Calendar Year 2017	\$1.00 per ton
Calendar Years 2018 to 2022	\$1.35 per ton
Calendar Years 2023 to 2027	\$1.65 per ton
Calendar Years 2028 to February 2033	\$2.00 per ton

7. **Landfill Operation** – Mountainview shall be solely responsible to operate and maintain the Landfill in accordance with all applicable Federal, State and Local rules and regulations. Allegany County shall not be liable for any costs, claims, penalties or fees resulting from Mountainview's failure to do so.

a. Operating Rules – Mountainview reserves the right to make, amend and enforce reasonable rules and regulations concerning the operation of the Landfill, the conduct of the drivers and others on the Landfill premises, and any other matters necessary or desirable for the safe, legal and efficient operation of the Landfill. Mountainview shall have the right to refuse to accept any waste which does not conform to any applicable law, regulation, rule or permit condition, or that is hazardous or toxic, even if only a part of the waste load is nonconforming. In the event that Mountainview detects unacceptable waste at the Landfill, the party delivering such waste shall be responsible for its removal. Mountainview shall have the right to refuse to accept waste delivered by parties who knowingly or repeatedly violate the Landfill operating rules.

b. County Inspection – the County shall have the right to have designated employee(s) enter the premises of the Landfill to observe Mountainview's operations. Said observations shall be conducted during normal Landfill operating hours unless the County gives Mountainview notice and reason for an after hours observation. County employees shall not have the right to direct Mountainview's employees or otherwise interfere with Mountainview's operations.

8. **Guaranteed Landfill Capacity** – the parties agree to cooperate in providing back-up landfill capacity should the need arise in accordance with the following terms:

a. Waste Management Landfills as Back-up – in the event of a condition affecting the Landfill or the ability of the County to deliver waste to, or Mountainview to accept waste at the Landfill, or if continued acceptance of an existing waste stream would result in a violation of an environmental law, regulation or

ordinance, Mountainview shall make arrangements to dispose of Acceptable County Waste at other regional sites operated by Waste Management,

- (1) should the cause of the need for back-up landfill use be related to conditions caused by Force Majeure or the County, the cost of transportation of County waste to the back-up landfill shall be borne by the County.
 - (2) should the cause of the need for back-up landfill use be related to condition caused by Mountainview, the cost of transportation of County waste to the back-up landfill shall be borne by Mountainview.
 - b. Landfill as Back-up – Notwithstanding the disposal capacity limits set forth in previous paragraph 3.a., in the event of a Force Majeure condition affecting landfills operated by Mountainview or Waste Management or if continued acceptance of an existing waste stream would result in a violation of an environmental law, regulation or ordinance, Mountainview shall have the right to dispose of at the Landfill waste which otherwise would have been disposed of at such other facilities, with the cost of transportation from such other facilities to the Landfill being borne by Mountainview.
 - c. Limitations of Use – The County may use Mountainview and Waste Management back-up landfills and Mountainview may use the Landfill as a back-up landfill each for an aggregate period not to exceed twelve (12) months during any forty-eight (48) month period; provided, however, that backup use of the Landfill will not be permitted if it would reduce the remaining capacity of the Landfill to less than that amount needed to accept the projected volume of tons per year of Acceptable County Waste for the remaining term of this Agreement.
9. **Public Drop-Off Area for MSW** – Mountainview shall provide an area at the Landfill equipped with dumpster boxes for the disposal of bagged MSW from County residents.
- a. Cost of Disposal – Mountainview will provide the County, within five (5) days after the end of each calendar month, with a summary of the total weight and volume of MSW disposal during such month, and the County shall pay Mountainview for such disposal within twenty (20) days after the end of such month at the current Disposal Fee established for the Landfill.
 - b. Guard Service – If requested to do so by the County, Mountainview shall provide guard service at the public drop-off area to insure compliance with posted rules. The cost of the guard service shall be agreed upon between the parties and paid by the County. The County shall maintain the right to post an employee at the public drop-off area, at its own expense, in lieu of using Mountainview's guard.
10. **Public Drop-Off Area for Recycling** – Mountainview shall provide an area at the Landfill for use by the County as a recycling drop-off area for County residents.

- a. Location – The drop-off area for recycling shall be located at the same area as previously located at the Existing Landfill, unless the parties agree to relocate it. Other changes in the drop-off recycling area must be mutually agreed upon between the County and Mountainview.
- b. Operation – County shall be responsible to provide, maintain and haul the various recycling containers at its sole cost.
- c. Indemnification
 - (1) County acknowledges that it has sole care, custody and control of the equipment while at the Mountainview location and accepts responsibility for all loss or damage to the equipment and for its contents. The County shall not change the general use or layout of the area without the written permission of Mountainview.
 - (2) County shall be responsible for maintaining the property, keeping same in a neat and clean condition. County shall be solely responsible for ensuring that the containers are emptied on an as-needed basis and such containers shall be maintained in good working order. Mountainview agrees to advise the County of any problems they observe concerning use of the recycling area.
 - (3) County shall to the extent permitted by law, indemnify, defend and shall hold harmless Mountainview and its respective parents, affiliates, officers, partners, employees or agents from and against any and all claims, damages, losses, actions, demands, deficiencies, liabilities, cost and expenses (including, without limitation, attorneys' fees and expenses and interest, penalties, fines and all amounts paid in investigation, defense or settlement of any of the foregoing) asserted against or incurred by Mountainview, its parents, affiliates, officers, partners, employees or agents in connection with or arising out of or resulting from: (a) a breach of any covenant, agreement, representation or warranty of the County contained herein; (b) the County's failure to comply with any applicable law relating to any of the activities addressed herein; or (c) any negligence, gross negligence or willful misconduct of the County or any employee, agent subcontractor or invitee of the County while on the property of Mountainview or arising out of County's refuse collection and recycling activities. The obligations of the County hereunder shall survive the termination or expiration of this Agreement.
 - (4) Upon receipt by Mountainview of a notice of a claim, action or proceeding, Mountainview shall give written notice to County within ten (10) days by registered mail of any claim made against Mountainview on the obligations set forth herein. Failure to give the notice shall not affect

Mountainview's rights to indemnification hereunder except to the extent that the County can demonstrate actual prejudice caused by such failure.

- (5) Upon termination of this Agreement, the County shall immediately remove all equipment and restore the property to its original condition.
- (6) County shall be solely responsible for the maintenance of the equipment as well as the maintenance of the property and shall supervise all operations with respect to operating the refuse collection and recycling center. Mountainview shall have no responsibility for any such maintenance or operation. County shall be responsible to obtain all permits, approvals and licenses necessary from any governmental authority with respect to its activities on Mountainview's property.

11. **Compost Recycling Area** – At the County's request, Mountainview agrees to locate and provide suitable area at the Landfill for use by the County as a compost drop-off area for County residents. Such area shall be identified prior to February 1, 2013.

- a. Location – the compost area shall be located not to interfere with normal Landfill operation and be at a site designated by Mountainview. The site must be accessible and relatively flat.
- b. Operation – County shall be responsible to construct, maintain, operate, grind and haul ground compost at its sole cost.
 - (1) The compost site shall be operated similar to the County's current Mexico Farms compost site.
 - (2) Grinding of compost shall occur not less than twice a year and the ground compost shall be removed from the site within 30 days of grinding.
- c. Indemnification
 - (1) County acknowledges that it has sole care, custody and control of the equipment while at the Mountainview location and accepts responsibility for all loss or damage to the equipment and for its contents. The County shall not change the general use or layout of the area without the written permission of Mountainview.
 - (2) County shall be solely responsible for maintaining the compost site and keeping same in a neat and orderly condition.
 - (3) County shall to the extent permitted by law, indemnify, defend and shall hold harmless Mountainview and its respective parents, affiliates, officers, partners, employees or agents from and against any and all claims, damages, losses, actions, demands, deficiencies, liabilities, cost and

expenses (including, without limitation, attorneys' fees and expenses and interest, penalties, fines and all amounts paid in investigation, defense or settlement of any of the foregoing) asserted against or incurred by Mountainview, its parents, affiliates, officers, partners, employees or agents in connection with or arising out of or resulting from: (a) a breach of any covenant, agreement, representation or warranty of the Indemnitor contained herein; (b) the County's failure to comply with any applicable law relating to any of the activities addressed herein; or (c) any negligence, gross negligence or willful misconduct of the County or any employee, agent, subcontractor or invitee of the County while on the property of Mountainview or arising out of County's composting activities. The obligations of the County hereunder shall survive the termination or expiration of this Agreement.

- (4) Upon receipt by Mountainview of a notice of a claim, action or proceeding, Mountainview shall give written notice to County within ten (10) days by registered mail of any claim made against Mountainview on the obligations set forth herein. Failure to give the notice shall not affect Mountainview's rights to indemnification hereunder except to the extent that the County can demonstrate actual prejudice caused by such failure.
- (5) Upon termination of this Agreement, the County shall immediately remove all equipment and restore the property to its original condition.
- (6) County shall be solely responsible for the maintenance of the equipment as well as the maintenance of the property and shall supervise all operations with respect to operating the compost site. Mountainview shall have no responsibility for any such maintenance or operation. County shall be responsible to obtain all permits, approvals and licenses necessary from any governmental authority with respect to its activities on Mountainview's property.

12. **Land Clearing Landfill** – Mountainview agrees, at its cost, to investigate the feasibility of permitting, constructing, operating and maintaining a land clearing disposal site at the Landfill. Said investigation shall occur prior to February 1, 2013 and the results will be shared with the County. Any tonnage ultimately accepted at the land clearing disposal site shall not be counted against the Landfill's maximum annual disposal capacity described in section 3.a., herein.

- a. Operation – if determined by Mountainview to be technically and economically feasible, Mountainview may construct and operate, at its cost, the land clearing disposal site as a for profit operation.
- b. Disposal Fee – Mountainview shall establish a disposal fee and rules of operation for the land clearing disposal site which are adequate to cover the cost of construction, operation and a reasonable profit.

13. **Single Stream Recycling** – Mountainview agrees, at its cost, to investigate the feasibility of permitting, constructing, operating and maintaining a single stream recycling convenience center at the Landfill. Commingled recyclables would be delivered to and collected at the landfill and hauled to a recycling center for sorting and processing.
- a. Investigation – the County agrees to provide detailed recycling information for Mountainview's use. Mountainview agrees to complete the investigation prior to February 1, 2013 and share its results with the County.
 - b. Operation – if determined by Mountainview to be technically and financially feasible, the County and Mountainview may enter into an Agreement to establish the details of the operation.
 - c. Costs – the following is envisioned in regard to costs:
 - (1) County would be responsible, at its sole expense, to have recyclables delivered to the Landfill.
 - (2) Mountainview would be responsible, at its sole costs, to haul the recyclables to the recycling center for processing.
 - (3) The costs to establish facilities at the Landfill to accept recyclables and the disposition of any revenues paid by the recycling center will be negotiated between the parties.
14. **Leachate Treatment Agreement** – the parties have entered in an August 22, 2003 amended Leachate Treatment Agreement for the treatment of leachate from the Existing Landfill at a County operated wastewater treatment plant which expires on February 1, 2013. The parties intend to negotiate a similar agreement to cover treatment of leachate from the expanded Landfill prior to February 1, 2013. It is envisioned the following items will be included in that agreement:
- a. Pre-treatment of Leachate – Mountainview shall pre-treat the leachate as necessary to levels acceptable under the County's Sewer Use Ordinance prior to discharge or delivery to the County's wastewater system.
 - b. Delivery of Leachate – Mountainview shall be responsible, at its sole cost, to deliver leachate to the County wastewater system at a location(s) approved by the County. This may include the following:
 - (1) delivery to a County wastewater treatment plant via tank truck; and/or
 - (2) construction of a sewer line extension to the Georges Creek Sewerage System along Maryland Route 36 south of the Landfill.

- (a) design and construction of sewer line and metering facilities shall be per County standards and approval.
 - (b) County will assist in obtaining necessary permits to construct the sewer line.
 - (c) if requested by Mountainview, County agrees to consider accepting ownership and maintenance responsibility of the completed sewer line. In exchange, County shall be permitted to allow residential connections to the sewer line provided a specified capacity exists for Mountainview's leachate.
- c. Reports – Mountainview shall submit monthly reports to the County showing the quantity of leachate delivered and its biological and chemical constituents.
 - d. Cost of Treatment – Mountainview shall pay the County for the leachate treated at the current industrial sewage treatment rate.
 - e. Sewage Sludge Disposal – County shall receive free disposal of acceptable sewage sludge at the Landfill generated at a County-owned wastewater and water treatment plant in a quantity not to exceed 3,500 tons per year. Said quantity shall not count against maximum annual volume of solid waste accepted at the Landfill per paragraph 3.a.

SECTION C – GENERAL PROVISIONS

- 1. **Term of Agreement** – this Agreement shall be effective on the date first written. The provision of disposal service is for a twenty (20) year period from February 2, 2013 to February 1, 2033. The terms of this Agreement apply to the operation of both the Existing Landfill and the Expanded Landfill.
- 2. **General Cooperation** – the parties agree to cooperate with one another and provide each other reasonable assistance with regard to all necessary permitting, regulatory and other approvals, including those from the Maryland Department of the Environment necessary for implementation of the provisions of this Agreement.
- 3. **Governing Laws** – this Agreement shall be governed by the laws of the State of Maryland, without regard for its principles relating to conflict of law.

SECTION D – MISCELLANEOUS PROVISIONS

- 1. **Force Majeure** – any delay or failure of performance by either party shall not constitute a default hereunder or give rise to any claims for damages if and to the extent that such delay or failure is caused by any act, event or condition having a material adverse effect on its ability to perform its obligations hereunder,

including, but not limited to, acts of God, lightning, earthquake, fire, severe weather conditions, epidemic, landslide, drought, hurricane, tornado, storm, explosion, failure of utilities, flood, nuclear radiation, act of a public enemy, or blockade, insurrection, riot or civil disturbance, labor dispute, strike, terrorist activities, acts of war whether involving the employees of either party or others, interference by third parties with landfill operations, condemnation or other taking by any government body, a change in any applicable law, regulation, rule or ordinance or interpretation thereof limiting acceptance of waste at landfills, or any order, judgment, action or determination of any federal, state or local court, administrative agency or government body adversely affecting the construction or operation of the landfills or the right or ability of Mountainview to receive waste at its or its affiliates' landfills or of the County to deliver waste to the Landfill, or the suspension, termination, interruption, denial or failure of renewal or issuance of any permit, license, consent, authorization or approval. A party whose performance is affected by any such event shall give written notice thereof to the other party as soon as is reasonably practicable.

2. **Notices** – any notice required under this Agreement shall be made either by personal delivery or by registered or certified mail, return receipt requested, and shall be deemed given upon personal delivery or upon receipt. Notices shall be given to the parties at the following addresses:

To Mountainview: Mountainview Landfill, Inc.
P. O. Box 95
13300 New Georges Creek Road, SW
Frostburg, MD 21532

With Copy to: Waste Management
Eastern Group Legal Dept.
Attn: General Counsel
448 Lincoln Highway
Fairless Hills, PA 19030

To the County: Board of County Commissioners of Allegany County, MD
County Office Complex
701 Kelly Road, Suite 407
Cumberland, MD 21502

With Copy to: Director of Public Works
Allegany County, Maryland
701 Kelly Road, Suite 300
Cumberland, MD 21502

Either party may change the location for receipt of notices hereunder by providing written notice to the other party as aforesaid.

3. **Waiver** – no waiver of a breach of any of the covenants contained in this Agreement shall be construed as a waiver of any prior or succeeding breach of the same covenant or any other covenant of this Agreement.
4. **Modification** – no modification, release, discharge or waiver of any provision hereof shall be of any force or effect, unless in writing signed by both parties hereto.
5. **Severability** – if any term, covenant or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such provision.
6. **Binding Effect** – this Agreement constitutes the entire understanding between the parties and shall be binding upon both parties hereto, their successors, representatives and assigns.
7. **Assignment** – this Agreement may not be assigned by either party without the prior written consent of the other party.
8. **Headings** – the headings used herein are for the convenience of the reader and shall not be deemed to modify or in any way affect any of the covenants, terms and conditions of this Agreement.

(SIGNATURE PAGE TO FOLLOW)

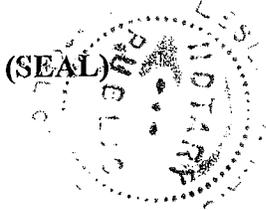
IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date set forth hereinabove.

ATTEST:

Rydie C. Kaiser
Notary Public

MOUNTAINVIEW LANDFILL, INC.

Steve M. Berry
By: Steve M. Berry, Vice President



ATTEST:

Carl G. Zipp
Clerk

THE BOARD OF COUNTY COMMISSIONERS
OF ALLEGANY COUNTY, MARYLAND

James J. Stakem
James J. Stakem, President

Robert M. Hutcheson
Robert M. Hutcheson, Commissioner

Dale R. Lewis
Dale R. Lewis, Commissioner

(SEAL)

AMENDMENT #2 TO AGREEMENT

THIS AMENDMENT TO AGREEMENT, made and entered into this 28th day of February, 2013, by and between **MOUNTAINVIEW LANDFILL, INC.**, a Maryland Corporation, hereinafter referred to as "Mountainview" and the **BOARD OF COUNTY COMMISSIONERS OF ALLEGANY COUNTY, MARYLAND**, a body corporate and politic of the State of Maryland, hereinafter referred to as "County".

WITNESS:

WHEREAS, the County and Mountainview entered into a Leachate Waste Treatment Agreement dated August 22, 2003, concerning the handling, treatment and disposal of contact water and leachate from Mountainview Landfill in Frostburg, Maryland; and

WHEREAS, the parties amended the Agreement of August 22, 2003 to extend its term; and

WHEREAS, the parties wish to again amend the Agreement to extend its term.

NOW THEREFORE, in consideration of the premises and for other good and valuable consideration, the parties hereto, intend to be legally bound and agree as follows:

1. Section I: Sewer Extension
 - a. The following language is added to Item 1:
 1. The County agrees to assist in obtaining permits necessary to construct the sewer line.
 - b. Item 2 is deleted and the following language is substituted.
 2. If requested by Mountainview, County agrees to consider accepting ownership and maintenance responsibility of the completed sewer line. In exchange, County shall be permitted to allow residential connections to the sewer line provided a specified capacity exists for Mountainview's leachate.
2. Section V – Sludge Disposal – In Item 14 replace the 2,000 tons/year (166 tons/month) sludge amount with 3,500 tons/year (292 tons/month).

3. Section IX: Term of Agreement, Special Provisions, Item 19 is hereby deleted and the following language is substituted.

19. The duration of this Agreement is until February 2, 2018.

4. That all the other terms and conditions of the Agreement dated August 22, 2003 and as previously amended shall remain in full force and effect.

WHEREFORE, the parties have executed this Agreement the day and year first above written.

WITNESS:

MOUNTAINVIEW LANDFILL, INC.



ATTEST:

**BOARD OF COUNTY COMMISSIONERS
OF ALLEGANY COUNTY, MARYLAND**



Paul F. Kahl, P.E.
Director of Public Works



David A. Eberly
County Administrator

**AGREEMENT BETWEEN THE
BOARD OF COUNTY COMMISSIONERS OF ALLEGANY COUNTY
AND PENN-MAR RECYCLING FOR RECOVERY, PROCESSING,
REPORTING AND MARKETING RECYCLABLE MATERIALS**

THIS AGREEMENT, made this 14th day of January, 2010
by and between the Board of County Commissioners of Allegany
County, (hereinafter "the County") and Penn-Mar Recycling, LLC,
(hereinafter "the Recycler").

1. WHEREAS: The County operates a State-mandated recycling program and on January 9, 2001, issued a Request for Proposal, (hereinafter "RFP"), a copy of which is attached to this Agreement as Exhibit A, for firms to provide recovery, processing, reporting and marketing of recyclable materials collected in Allegany County; and

2. WHEREAS: The Recycler, who were originally known as the independent firms of Miller Quality Recycling and Howell Trucking, Inc., responded to the RFP with a February 8, 2001 Proposal, (hereinafter "Proposal"), a copy which is attached to this Agreement as Exhibit B; and

3. WHEREAS: The County and Recycler further defined their understanding of the RFP and Proposal and entered into an Agreement dated June 22, 2001, and in a subsequent agreements dated February 5, 2004, May 10, 2007, and this current agreement dated January 14, 2010.

4. WHEREAS: The parties wish to extend their relationship by entering into a fourth agreement for the Recycler to provide recovery, processing, reporting and marketing of recyclable materials subject to the terms and limitations set forth in this Agreement;

NOW THEREFORE, and in consideration of the mutual covenants herein contained be it agreed by and between the parties as follows:

1. PURPOSE OF THIS AGREEMENT

The purpose of this Agreement is to define the duties and the responsibilities of the County and the Recycler relative to the recovery, processing, reporting and marketing of recyclable materials collected in Allegany County and the allocation of costs associated with same.

This Agreement shall supersede and replace the May 10, 2007 Agreement between the parties.

2. DEFINITIONS

The following items shall have meaning hereafter set forth for the purpose of this Agreement:

- A. Contaminated Materials - dissimilar materials or trash which have been collected along with recyclable materials which must be removed and disposed of as trash.
- B. County Baler - the existing vertical baler owned by the County and located in the Recycling Building.
- C. Plastic - #1 PET or #2 HPDE plastic bottles & jugs which are collected for recycling.
- D. Drop Boxes - the compartmentized metal containers which the County leases or owns and are used to collect recyclable materials throughout Allegany County and deliver said materials to the Recycling Building.
- E. Magazines - miscellaneous forms and sizes of glossy paged magazines which are collected for recycling purposes.
- F. Marketing - the process whereby the Recycler seeks out, contracts with and delivers for a price or payment, processed recyclable materials to licensed, end user firms for reuse.
- G. Mixed Cans - aluminum and bi-metal cans which are collected separately or jointly for recycling purposes.
- H. OCC/paperboard - old cardboard containers and paperboard which is collected for recycling purposes.

- I. ONP - standard newsprint and newspaper inserts which are collected for recycling and processed into ONP Grade No. 8 for marketing purposes.
- J. Office Paper - loose or shredded bond, writing, or computer paper; envelopes; folders and drawings which are collected for recycling purposes.
- K. Processing - the acts of sorting, baling, compacting or otherwise transforming the accumulated recyclable materials into a marketable form.
- L. Recovery - the acceptance and storage of recyclable materials delivered to the Recycler either by the County, its contractors or general public.
- M. Recyclable Materials - ONP, OCC/paperboard, mixed cans, separated glass, white goods, office paper, magazines, telephone books, and #1 & #2 plastic bottles and jugs as defined herein as well as any future recyclable materials the County and Recycler may agree to make part of this Agreement.
- N. Recycler - Penn-Mar Recycling, LLC, owned by Kimberly S. and Steven D. Miller with a business address of 201 Riverside Ave., Cumberland, Maryland.
- O. Recycling Building - former Court 5 of the Kelly Springfield Tire Company located at 201 Riverside Avenue, Cumberland, Maryland.
- P. Reporting - formal written monthly reports supplied by the Recycler to the County showing an individual breakdown of the tonnage of each type of recyclable material processed, the compensation to be received from the end user for each and the compensation due to the County from the Recycler or vice versa.
- Q. Separated Glass - clear, brown and/or green glass which is collected in separate bin containers for recycling purposes.
- R. Telephone Books - standard printed telephone books which are collected for recycling purposes.

- S. White Goods - household appliances (such as stoves, refrigerators, air conditioners, dryers, washers, dehumidifiers, etc.) which are collected for recycling purposes.
- T. School Office Paper - loose or shredded bond, writing, or computer paper; envelopes; folders and drawings which are collected for recycling purposes from Allegany County schools.

3. DUTIES AND RESPONSIBILITIES OF THE COUNTY

The County agrees to accept and comply with the following duties and responsibilities:

A. Provide and lease the first floor area of the Recycling Building to the Recycler for his use in performance of the terms of this Agreement.

B. Arrange for and conduct required quarterly fire sprinkler system inspections.

C. Provide the Recycler with approximately one-half (1/2) acre of ground outside and adjacent to the Recycling Building for his use. To the extent possible, the bulk of this area will be located on the west side of the Recycling Building.

D. Permit the Recycler to use, operate and maintain the County Baler.

E. Arrange and pay for the delivery of drop boxes to the Recycling Building.

F. Provide payment of all funds due to the Recycler for each month within thirty (30) days of receiving the recycling report for that month.

4. DUTIES AND RESPONSIBILITIES OF THE RECYCLER

The Recycler agrees to accept and comply with the following duties and responsibilities:

A. Provide all labor, materials and equipment necessary for the recovery, processing, marketing and reporting of recyclable materials as set forth in the RFP, Proposal and Correspondence, and as previously defined and described. Specifically, those recyclable materials covered under this Agreement include:

- (1) ONP
- (2) OCC/paperboard
- (3) Mixed Cans
- (4) #1 & #2 Plastic Bottles and Jugs
- (5) White Goods
- (6) Office Paper
- (7) Magazines

B. Operate and maintain the Recycling Building and associated site in a manner which is pest free, neat, clean, sanitary and generally not considered to create a nuisance by the County, neighboring businesses or general public.

C. Establish and post regular operating hours, subject to County approval, for:

- (1) public access to the Recycling Building for drop-off of recyclable materials (not less than 40 hours per week).
- (2) special times to purchase aluminum cans.
- (3) other special collections which may be implemented.

County approval will not be unreasonably denied.

D. Provide the following insurance coverage on the Recycling Building and contents and Recycler's employees with copies of same provided to the County:

- (1) Liability insurance for damage claims through public use of, or arising out of accidents occurring in or around the Recycling Building of:
 - (a) a minimum of One Million Dollars (\$1,000,000) for bodily injury each occurrence and aggregate, and
 - (b) a minimum of Three Hundred Thousand Dollars (\$300,000) for property damage, each occurrence and aggregate
- (2) Workers Compensation coverage as required by law.

E. Operate the Recycling Building and associated facilities in accordance with all Federal, State and local laws and regulations which may pertain to the fulfillment of the terms of the Agreement and in a manner which does not detrimentally affect the operation of other activities in the Riverside Industrial Park.

F. Apply for and/or pay all applicable permits, taxes, license or other fees associated with fulfillment of the terms of this Agreement.

G. Maintain the County Baler as long as it is used by the Recycler.

H. Dispose of up to six cubic yards per week of Contaminated Materials at no cost to the County.

I. Seek and maintain written approval from the County prior to making any desired modifications to the Recycling Building. Approval of requested modifications shall not be unreasonably denied.

J. Provide on-site personnel during periods when the Recycling Building is open to the public. Insure the Recycling Building is locked and secured during non-operating hours.

K. Allow reasonable and timely access to the Recycling Building for the County, its employees, its contractors and the public for delivery and off-loading of recyclable materials.

L. Provide to the County, complete, thorough and timely, monthly recycling reports of recyclables processed and funds due either the County or the Recycler within thirty (30) days of the end of each month.

M. Provide payment of all funds due the County for each month within thirty (30) days of the end of that month.

N. The recycler shall provide a roll-off style container for the collection of residential white goods from Allegany County residents. All costs associated with processing of white goods including but not limited to provision of a suitable container, removal of refrigerants or hazardous materials in accordance with applicable regulations (e.g. 40 CFR Part 82, Subpart F), labor to load the container, and hauling shall be at the recyclers expense. White goods shall not be stored on the site outside for the container for longer than 2 business days.

5. PAYMENTS BY THE COUNTY TO THE RECYCLER

A. The County shall compensate the Recycler the difference between a processing fee of \$51.00 per ton for FY 2011, \$52.00 per ton for FY 2012 and \$53.00 per ton for FY 2013, and any lesser price the Recycler shall receive by marketing of the following recyclable materials:

- (1) ONP (No. 8 Grade)
- (2) Mixed Cans
- (3) #1 & #2 Plastic Bottles and Jugs
- (4) School Office Paper Collection

6. PAYMENTS BY THE RECYCLER TO THE COUNTY

A. The Recycler shall compensate the County at a rate of one-half (50%) of the price received in excess of the basic processing fee of \$51.00 per ton for FY 2011, \$52.00 per ton for FY 2012 and \$53.00 per ton for FY 2013, the Recycler shall receive by marketing the following recyclable materials:

- (1) ONP (No. 8 Grade)
- (2) Mixed Cans
- (3) #1 & #2 Plastic Bottles and Jugs
- (4) School Office Paper Collection
- (5) OCC/paperboard delivered to the Penn-Mar Recycling Center by County staff including the Department of Public Works and the Allegany County Board of Education.

B. The Recycler shall compensate the County one dollar (\$1.00) per year to lease the first floor of the Recycling Building for the Recycler's use in performance of the terms of this Agreement.

C. The Recycler shall reimburse the County the actual cost of fire hazard damage and extended coverage insurance to be carried on the Recycling Building by the County. (Approximate cost \$750 per fiscal year).

7. OTHER COSTS AND PAYMENTS

A. The County shall neither pay nor be compensated for the recovery, processing, reporting or marketing of the following recyclable materials:

- (1) OCC/paperboard delivered to the Penn Mar Recycling Center by the public
- (2) Separated Glass
- (3) Office Paper
- (4) Magazines
- (5) Telephone Books
- (6) White Goods

B. The Recycler agrees that should the volume of any recyclable materials increase significantly, thereby lowering the basic per ton processing fees stated previously for that recyclable material, the Recycler will lower the basic processing fee to the County for that recyclable material.

C. The Recycler agrees to consider the addition of other recyclable materials to this Agreement at the request of the County. Should such other recyclable materials be added to this Agreement in the future, the parties agree to negotiate a basic processing fee on which payments to the County and/or Recycler will be computed.

D. The Recycler shall pay for other utility services (e.g. water, sewer, gas, electric) which may be installed in the Recycling Building for the benefit of the Recycler during the term of this Agreement.

E. The Recycler shall pay all costs of properly repairing any damage done to the Recycling Building as a result of the Recycler's use of the Recycling Building. The County will perform an annual inspection around or on June 30 to inventory the existing facility and outline the appropriate repairs beyond normal wear and tear required to the Recycling Building. The Recycler shall have 60 days to complete the outlined repairs, e.g. damaged siding, equipment, walls, electrical fixtures, sprinkler system, etc. The Recycler shall be required to provide a Performance Bond to the County in the amount of \$10,000 for the life of the contract to cover the cost of any repairs.

F. Any capital improvement projects (CIP) desired by the Recycler shall be reviewed and approved by the County prior to incorporation into the Recycling Building. All costs associated with any CIP shall be borne by the Recycler.

8. **TERM**

A. This Agreement shall become effective July 1, 2010 and be for a term of three (3) years from that date.

B. This Agreement may be amended at any time by the mutual agreement of the parties hereto. Within thirty (30) days of the end of the second full year of operation under this Agreement (i.e. July 1, 2012), the parties agree to meet to discuss extending the term of this Agreement.

9. RENEWAL OF AGREEMENT

A. Notwithstanding Section 8B., the Recycler shall have the Option to renew this Agreement for an additional term of one (1) year, upon the terms and provisions of this Agreement, by giving the County notice in writing of its intention to renew said Agreement one hundred eighty (180) days prior to the expiration of this Agreement. The right to exercise this Option shall be contingent upon the County being satisfied the Recycler is in full compliance with the terms of this Agreement. The FY 2013 processing fee of \$53.00 per ton shall apply to this one (1) year renewal unless otherwise agreed upon by the County and Recycler.

B. If the Recycler exercises his option to renew this Agreement for a one (1) year term, then, at the expiration of said one (1) year term, said Recycler shall have the option to renew this Agreement for a second one (1) year term, by giving written notice of its intention to renew said Agreement one hundred eighty (180) days prior to the expiration of said renewal term. The FY 2013 processing fee of \$53.00 per ton shall apply to this one (1) year renewal unless otherwise agreed upon by the County and Recycler. The right to exercise this Option shall be contingent upon the County being satisfied the Recycler is in full compliance with the terms of this Agreement.

C. Notwithstanding the above, the County shall have the right to manage its recycling program in a manner that is in the best interest of the County. At any time the Recycler desires to exercise an Option to renew the Agreement, the County shall have the right to add or discontinue acceptance of specific recyclable materials for that Option period should conditions arise that warrant such action.

10. DEFAULT/PENALTIES

Should the Recycler default on any of the terms of this Agreement, it shall be subject to payment of the following penalties to the County:

A. Reimbursement of the cost of all labor, equipment, materials or services incurred by the County in excess of those which the County would have normally expected to incur under the terms of this Agreement for recovery, processing, reporting and marketing of recyclable materials for a period until: (1) the default is remedied; (2) six (6) months from the date of default; or (3) the County secures an Agreement with another recycler, whichever is less.

B. A late payment penalty of one percent (1%) per month shall be assessed and paid by the Recycler to the County for all payments which are more than thirty (30) days overdue from the end of the month for which the payment is based.

C. Should the Recycler fail to keep the Recycling Building and associated site in neat, clean and non-nuisance manner as set forth in Section 4B of this Agreement, the County shall have the right, after written notice to the Recycler, to have the area exterminated, cleaned and/or sanitized with the cost of same being deducted from any funds due the Recycler.

11. FORCE MAJEURE

Neither party shall be considered to be in default with respect to any obligations under this contract by reason of uncontrollable forces. The term "uncontrollable forces" being deemed, for the purposes of this contract, to mean any cause beyond the control of the party affected, including but not limited to flood, earthquake, storm lightning, fire, epidemic, war, riot, civil disturbance, labor disturbance, sabotage, and restraint by a court of public authority, which, by exercise of due diligence and foresight, such party could not reasonably have been expected to avoid. Either party rendered unable to fulfill any obligations by reason of uncontrollable forces shall exercise due diligence to remove such inability with all reasonable dispatch.

12. MISCELLANEOUS

A. It is recognized that this Agreement involves the handling of used materials and that appropriate precautions will be taken to protect workers, visitors, area homes and businesses and the environment. Both parties agree to promptly notify each other in the event they encounter problems or difficulties affecting its performance under the terms of this Agreement. Each party also agrees to take appropriate action to resolve such problems as quickly and as reasonably as possible.

B. Each party will provide all licenses, easements and rights-of-way reasonably necessary to implement the purposes of this Agreement.

C. Each party will provide all reasonable cooperation and execute all documents as may be reasonably required and use all reasonable diligence to fully consummate and carry out the purposes of this Agreement.

D. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Maryland.

E. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns provided, however, that neither party will assign this Agreement without the prior written consent of the opposite party.

F. Official notices or communications pursuant to this Agreement shall be sent to the respective parties by first class mail at the following address:

County Commissioners of Allegany County
701 Kelly Road
Cumberland, Maryland 21502
Attn: County Administrator

Penn-Mar Recycling, LLC
Attn: Kim and Steve Miller
167 Warmuth Lane
Bedford, PA 15522

In addition, each party designates the following person as its representative for the purposes of coordination and communications pursuant to this Agreement. Copies of all notices pursuant to this Agreement shall also be sent to the designated representatives at the following addresses:

For County Commissioners of Allegany County
Recycling Coordinator, Allegany County Department of
Public Works
County Office Complex
701 Kelly Road
Cumberland, Maryland 21502

For Penn-Mar Recycling, LLC
Mr. Steven Miller
167 Warmuth Lane
Bedford, PA 15522

IN WITNESS WHEREOF, the parties have cause this Agreement to be executed by their respective representatives hereunder duly authorized, all of the day and year first above written.

**BOARD OF COUNTY COMMISSIONERS
OF ALLEGANY COUNTY**

Cathy E. Blank
WITNESS

~~Carol A. Gaffney, CLERK~~
Cathy E. Blank, CLERK

James J. Stakem
JAMES J. STAKEM, PRESIDENT

Robert M. Hutcheson
ROBERT M. HUTCHESON, COMMISSIONER

Dale R. Lewis
Dale R. Lewis, COMMISSIONER

PENN-MAR RECYCLING, LLC

Kimberly J. Miller
WITNESS

John W. Lewis
WITNESS

Kimberly J. Miller
KIMBERLY J. MILLER

Steven D. Miller
STEVEN D. MILLER

APPENDIX B:

**SUMMARY OF APPLICABLE STATE AND FEDERAL
REGULATIONS**

The following information was adapted from the Carroll County, Maryland Solid Waste Management Plan. The use of this material is both acknowledged and appreciated.

Summary of Federal Statutes affecting Solid Waste Management (General)

Resource Conservation and Recovery Act (RCRA):

A primary objective of RCRA is promotion of recycling and reuse of recoverable materials. RCRA also provides guidelines for environmentally sound handling and disposal of both hazardous and nonhazardous solid waste. Subtitle D of RCRA specifies criteria for Municipal Solid Waste landfills.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or Superfund:

CERCLA establishes programs for the identification and remediation of waste disposal sites containing hazardous substances; establishes standards for clean-up efforts and disposal of wastes and provides a mechanism for assigning liability for contaminated sites.

Clean Water Act (CWA):

Section 402 of the CWA establishes the National Pollutant Discharge Elimination System (NPDES) program which regulates effluent limitations for the discharge of wastewater and runoff from solid waste management facilities into bodies of water. The construction of facilities which may impact waters of the United States is regulated by Section 404 which is administered by the US Army Corps of Engineers. Section 405 addresses the disposal of wastewater treatment sludge.

Clean Air Act (CAA):

The CAA regulates emissions from landfill gas management systems and combustion facilities. Landfill operators must comply with the requirements of the state implementation plan established under section 110.

Safe Drinking Water Act (SDWA):

The SDWA establishes maximum contaminant levels (MCLs) for parameters included in groundwater monitoring programs.

Federal Emergency Management Act:

The Federal Emergency Management Act prohibits the siting of solid waste facilities within the 100 year floodplain.

Endangered Species Act (ESA):

The ESA prohibits construction or operation of facilities that would result in the "taking" of an endangered or threatened wildlife species, or in the destruction of their critical habitat.

Summary of applicable Federal Regulations (CFR, Title 40,
Chapter I, Subchapter I)

*Part 258: Criteria for Municipal Solid Waste Landfills
(Subtitle D Regulations)*

Establishes minimum national criteria for the design and operation of municipal solid waste landfills. Includes location restrictions, operating criteria, design criteria, groundwater monitoring and corrective action, closure and post-closure care, and financial assurance criteria. Design standards apply only to new landfills and lateral expansions of existing facilities.

Part 260: Hazardous Waste Management System - General
Provides definitions of terms and a general overview of parts 260 through 265.

Part 261: Identification and Listing of Hazardous Waste
Provides identification of those materials which are subject to regulation as hazardous wastes under Parts 270, 271, and 124.

Part 262: Standards Applicable to Generators of Hazardous Waste
Establishes standards for generators of hazardous wastes including EPA identification numbers, manifest, pre-transportation requirements, record-keeping, and reporting.

Part 263: Standards Applicable to Transporters of Hazardous Waste
Establishes regulations for transporters of materials requiring a manifest as defined in Part 262.

Part 264: Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
Establishes minimum national standards for the management of hazardous waste.

Part 265: Interim Status Standards for Owners and Operators of hazardous Waste Treatment, Storage, and Disposal Facilities.
Establishes minimum national standards that define the management of hazardous waste during the period of interim status and until the certification of post-closure or closure of the facility.

Part 266: Standards for the Management of Specific hazardous Wastes and Specific Types of Hazardous Waste Management Facilities

Establishes minimum national standards for the recyclable materials used in a manner constituting disposal, hazardous waste burned for energy recovery, used oil burned for energy recovery, recyclable material used for precious metal recovery and spent batteries being reclaimed.

Part 268: Land Disposal Restrictions

Identifies a schedule to evaluate listed wastes for prohibition of land disposal and establishment of treatment standards for these wastes.

Part 270: EPA Administered Permit Programs: The Hazardous Waste Permit Program

Application requirements, standard permit conditions, monitoring, and reporting requirements for EPA permitting for the treatment, storage, and disposal of hazardous waste.

Part 271: Requirements for Authorization of State Hazardous Waste Programs

Identifies the requirement that state programs must meet to fulfill interim and final authorization as well as the procedures EPA uses to approve, revise and withdraw approval of state programs.

Part 272: Approved State Hazardous Waste Programs

Establishes the applicable state hazardous waste management programs.

Summary of Annotated Code of Maryland Titles Affecting Solid
Waste Management

Annotated Code of Maryland - Environment Article

Title 4 - Water Management

Title 6 - Toxic, Carcinogenic and Flammable Substances

Title 7 - hazardous Materials and Substances

Title 9 - Environment Article.

MDE regulates the location, design and operation of sanitary landfills through refuse disposal permits issued and enforced under authority of the following sections of the Environment Article.

Section 204 Installing, Altering or Extending Water
 Supply Systems, Sewerage Systems or Refuse Disposal
 Systems

Section 204.1 Installing, Altering or Extending
 Incinerators

Section 204.2 Installing, Altering or Extending Landfill
 Systems

Section 209 Landfill System Hearings

Section 210 Prerequisites for issuance of Permit

Section 211 Landfills, Incinerators and Transfer
 Stations, Requirements for Security

Section 212 Landfill Systems - Options to Purchase

Section 212.1 Denial of Permit to Nongovernment Person

Section 213 Term of Permit (5 years)

Section 214 Revoking or Refusal to Renew a Permit

Section 215 Closure and Cover When Operation Ends

Section 225 Landfills Near Hospitals Prohibited
 (1/2 Mile Radius)

Section 226 Certification of Public Necessity Required
 for Hazardous Waste Landfill System

Section 227 Infectious Waste in Landfill System
 Prohibited

Section 228 Scrap Tires - Storage, Recycling, and
 Disposal

Summary of Maryland Regulations Affecting Solid Waste Management

Under Title 08 (Department of Natural Resources), the following sections must be considered in the siting of solid waste management facilities:

- Subtitle 3 - Chapter 8, Threatened and Endangered Species
- Subtitle 9 - Chapters 1-6, Forest Conservation

Under Title 09

- Subtitle 5 - County Water and Sewerage Plans
- Subtitle 17 - Office of Recycling, Created MDE's Recycling Program and defined and mandated county recycling goals.

Under Title 26

- Subtitle 3 - Chapter 3, Water Supply, Sewerage, Solid Waste and Pollution Control Planning and Funding - Development of County Comprehensive solid Waste Management Plans: Requires that each county maintain a current solid waste management plan and establishes the format for these plans.
- Subtitle 3 - Chapter 10, Financial Assistance for the Constructing of Solid Waste Processing and Disposal Facilities: Stipulates the requirements, priority listing criteria and ranking system for counties to receive financial assistance from the state.
- Subtitle 4 - Chapter 7, Regulations of Water Supply, Sewerage Disposal on, Solid Waste Management: Regulations for permitting, designing, constructing, operating and closing municipal, land clearing debris, rubble and industrial waste landfills, processing facilities, transfer stations and incinerators.

Other regulations under title 26 important to solid waste management include:

- Subtitle 4 - Chapter 6, Sewage Sludge Management
- Subtitle 4 - Chapter 8, Scrap Tire Regulations
- Subtitle 4 - Chapter 9, Natural Wood Waste Recycling Facilities
- Subtitle 5 - Chapter 3, Construction on Nontidal Waters and Floodplains
- Subtitle 5 - Chapter 4, Nontidal wetlands
- Subtitle 5 - Chapter 7, Wetlands Regulations
- Subtitle 8 - Water Pollution
- Subtitle 9 - Chapter 1, Erosion and Sediment Control
- Subtitle 9 - Chapter 2, Stormwater Management
- Subtitle 11 - Air Quality
- Subtitle 13 - Disposal of Controlled Hazardous Substances

APPENDIX C:

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Bibliography / Resource List

Institute for Local Self Reliance (1991), Beyond 40 Percent: Record Setting Recycling and Composting Programs, Island Press, Washington, DC, 280pp.

Skumatz, L. (1995), *Continued Growth for Variable Rates*, Biocycle, November 1995, pg 36-38.

O'Leary, P.R. and P.W. Walsh (1995), Decision Maker's Guide to Solid Waste Management, Volume II. EPA/600, USEPA, Washington DC, 348pp.

"Managing Residential Municipal Solid Waste: The Unit-pricing Approach", Resource Recycling, November 1993.

USEPA Pay As You Throw (PAYT) Research

<http://www.epa.gov/waste/consERVE/tools/payt/research.htm>

State of Maryland Recycling Directory

<http://www.mdrecycles.org/recyclingDirectory.php>

APPENDIX D:

SOLID WASTE MANAGEMENT BOARD BYLAWS

ALLEGANY COUNTY SOLID WASTE MANAGEMENT BOARD
BYLAWS

August 6, 1997

Revised May 27, 1998

Revised September 21, 2000

Revised December 10, 2009

Revised April 12, 2012

ARTICLE I

Name

The name of this Board shall be the Allegany County Solid Waste Management Board (hereafter referred to as the Board).

ARTICLE II

Mission

The mission of this Board is to implement the Allegany County Solid Waste Management Plan (hereafter referred to as the Plan), address solid waste issues, and provide guidance to the Allegany County Commissioners or other citizens and jurisdictions appropriate in all matters of solid waste management.

ARTICLE III

Purpose

The purpose of this Board is to review solid waste management issues in Allegany County and to participate in planning for solid waste management by:

- Establishing a Board structure which emphasizes the Reduce/Reuse/Recycle/Compost/Landfill hierarchy for solid waste management as outlined in Chapter IV of the Plan;
- Prioritizing and implementing measurable program goals;
- Researching local, regional, state, national, and global trends and strategies related to solid waste management;
- Developing and recommending programs based on solid waste management research;
- Continually monitoring and evaluating the County's solid waste management programs in relationship to the Board established objectives;
- Facilitating public education of research findings and suggested programs, program outcomes and evaluations;

- Preparing updates of the County' s Plan in accordance with Maryland Department of the Environment mandates, including other members as needed for this task;
- Serving as the Plan's advisory body, including additional members as needed, when the County next has need to site a landfill;
- Reviewing legislative requirements, demographic data, and the existing solid waste management system;
- Presenting periodic reports to the Allegany County Commissioners, and
- Performing other activities as needed.

ARTICLE IV
Members

Section 1: The membership of this Board shall be fifteen (15) members.

Section 2: Appointed by the Allegany County Commissioners, Board members shall be chosen from residents, businesses, non-profits, and county and municipal governments of Allegany County with reference to "Decision Makers Guide to Solid Waste Management (EPA.530-SW-89-072). County residency is only required for Citizens-at-large.

Section 3: Representation and terms shall be as follows:

The following 6 entities shall have a permanent seat on the Board:

Allegany County Board of Education
Allegany County Government
Allegany County Health Department
Chamber of Commerce
City of Cumberland
City of Frostburg

Representatives of the following 8 groups shall serve 2-year terms on the Board with re-appointments to additional terms permitted. Each group shall have one

representative with the exception of citizens-at-large (2 representatives).

Citizen Advocate Group
Citizens-at-large - Two (2) representatives
Environmental Group
Environmental/Technical Institutional
Solid Waste Hauler/Recycler Waste Industry
Industry

Section 4: Each representative shall identify one additional person to serve as the alternate in the absence of the primary representative. The alternate shall be appointed by the Allegany County Commissioners as described in Article IV, Section 2, and shall be afforded voting privileges when acting in a substitute capacity.

Section 5: An entity or group absent for three (3) consecutive meetings may have their representative and alternate replaced at the discretion of the Allegany County Commissioners.

Section 6: The County shall provide general staff support.

Section 7: The Allegany County Recycling Coordinator, or Designee, shall function as secretary to the Board.

Section 8: The members shall serve without compensation.

ARTICLE V Officers

Section 1: The officers of this Board shall be Chair and Vice-chair. These officers shall perform the duties prescribed in Article VII of these bylaws.

Section 2: The Chair and Vice-chair shall be elected by majority vote biennially (beginning 2010) at the January meeting and shall serve for two (2) years or until their successors have been elected. Officers shall be representatives described in article IV with

due consideration for conflicts of interest as discussed in Article IX.

Section 3: The duties of Secretary and Treasurer shall be performed by County government staff.

Section 4: In the event of resignation of the Chair, the Vice-chair shall assume the role of Chair for the remainder of the term and a special election will be held at the next Board meeting to elect a replacement Vice-chair. In the event of resignation of the Vice-chair, a special election will be held at the next Board meeting to elect a replacement Vice-chair.

Section 5: Four (4) months prior to the next regularly scheduled election, officers shall advise the Board if they intend to run for re-election.

ARTICLE VI Meetings

Section 1: The regular meetings of the Board shall be held quarterly, or more often, at the call from the Chair, at a time and place approved by a majority of the Board members.

Section 2: An annual meeting shall be held in January of each year and shall be used for election of officers, receiving reports, preparing the annual report, and presenting the budget request for the upcoming year (to the County Commissioners).

Section 3: Special meetings may be called by the Chair as needed. At least three (3) business days notice shall be given.

Section 4: A simple majority of the Board shall constitute a quorum.

Section 5: In accordance with the State of Maryland "Sunshine Laws", all meetings shall be publicly announced and opened to the public.

Section 6: All meetings shall be conducted in accordance with the current edition of Robert's Rules of Order.

ARTICLE VII
Duties of Officers

Duties of Chair:

- Chairs and conducts all meetings of the Board; may establish ad hoc committees, and
- Appoints members and monitors committees assigned to address specific areas of concerns;
- Performs such other duties as designated by the

Board. Duties of Vice-chair:

- Acts in the absence of the Chair.

ARTICLE VIII
Committees

Section 1: Standing committees include (a) Reduce/Reuse, (b) Recycle/Compost, (c) Landfill, and (d) Education and Public Relations.

Section 2: Other committees may be established as deemed appropriate by the Board.

ARTICLE IX
Conflicts of Interest

Section 1: When a member recognizes he/she has an obvious conflict of interest with an issue or item presented for discussion, the member shall be excused from the meeting during such discussion and/or refrain from voting on that issue, at the Chair's discretion and direction.

Section 2: Additional legal questions concerning conflicts of interest shall be referred to the Allegany County Attorney for advice and legal opinion.

ARTICLE X
Amendments

Section 1: These bylaws may be amended at any meeting of the Board by two-thirds vote of the total membership. Any such amendment is not effective until ratified by the Allegany County Commissioners.

Section 2: The proposed amendment must be introduced and discussed at a prior meeting and a written copy of the proposed amendment must be sent to each member prior to the meeting at which it will be voted upon.

APPENDIX E:

STATE OF MARYLAND LITTER CONTROL LAW

Maryland Code, Criminal Law, Title 10 Section 110

Appendix E - Maryland State Litter Control Law

Maryland Code, Criminal Law, Title 10, Section 110

APPENDIX F:

**LOCAL MUNICIPAL ORDINANCES RELATED TO SOLID
WASTE**

Note that these ordinances were current at the time of the publication and are provided for information only. For current ordinance information, contact the municipality directly.

Chapter 21 - SOLID WASTE

FOOTNOTE(S):

--- (1) ---

Editor's note—Ord. No. 3102, § 1, adopted Sept. 23, 1991, repealed ch. 14 of the city's 1966 Code, as the same was amended by Ord. No. 3084, § 1, adopted June 7, 1991, and by Ord. No. 3085, § 1, adopted June 18, 1991, which pertained to solid waste. Ord. No. 3102 reenacted similar new provisions as set out in §§ 21-1—21-8.

Charter reference— Authority to regulate solid waste, § 72; dumping in streams, § 76.

Cross reference— Nuisances, Ch. 14; water, sewers and sewage disposal, Ch. 24.

State Law reference— Litter control, Ann. Code of Md. art. 27, § 468; recycling of solid waste, Ann. Code of Md. art. Environment, § 9-1701 et seq.

Sec. 21-1. - Definitions.

Unless the context specifically indicates otherwise, the following terms and phrases, as used in this chapter, shall have the meanings hereinafter designated.

City means the mayor and city council of Cumberland.

City ash tag means a tag sold by the city which must be attached to an acceptable ash container for the purpose of ash collection.

Commercial customer means any person who owns or occupies any building within the city which is primarily used for the conduct of any activity with the intent of realizing a profit from the sale of goods or services.

Construction and demolition debris means refuse which is incidental to construction, renovation or demolition of buildings, other structures or appurtenances.

Garbage means putrescible animal and vegetable wastes resulting from the handling, preparation, cooking and consumption of food.

Industrial customer means any person who owns or occupies any building within the city which is used primarily for the manufacture or production of any product.

Person means any person, firm, partnership, association, corporation, company or organization of any kind.

Refuse means all putrescible and nonputrescible solid waste (excluding bodily waste), including garbage, rubbish, ashes, street cleanings and dead animals. Refuse does not include ashes, demolition and construction debris, white goods, furniture, household appliances, large tree limbs and other items that are unsuitable for regular refuse collection services.

Residential customer means any person who owns or occupies a dwelling or dwelling unit.

Rubbish means nonputrescible solid waste consisting of both combustible and noncombustible waste, such as paper, cardboard, tin cans, yard clippings, wood, glass, bedding and crockery.

Tax exempt customer means any person who owns or occupies a property which is exempt from real estate tax under the laws of the State of Maryland or the United States.

Yard waste means grass clippings, weeds, hedge clippings, garden waster, leaves, twigs and brush.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3140, § 1, 12-8-92; Ord. No. 3371, § 1, 6-19-01)

Sec. 21-2. - Authority of city council to contract for refuse removal.

The city council may contract with some responsible person, from time to time, for periods of not less than one (1) year nor more than five (5) years in any one (1) contract, for the removal of all refuse and ashes from commercial customers, industrial customers, tax exempt customers and residential customers within the city. If the city council should deem expedient, at any time, they may employ a sufficient number of vehicles for the removal by the city directly of such material. The person with whom such contract may be made, before the same shall be effective, shall execute and deliver to the city council a bond conditioned for the faithful performance of such contract in such penalty and with such security as the city council deems sufficient.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3140, § 1, 12-8-92; Ord. No. 3371, § 2, 6-19-01)

Sec. 21-3. - Requirements for collection vehicles.

All vehicles employed by the city or any contractor in the removal of refuse and ashes or other materials pursuant to section 21-2 shall be tightly closed and shall be covered with an impervious substance so as to prevent dust or effluent from falling from such vehicle while being hauled through the streets of the city.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3140, § 1, 12-8-92)

Sec. 21-4. - Garbage, etc., to be placed in authorized receptacles; collection of garbage.

(a) *Placement of refuse for collection.* It shall be the duty of persons having refuse to be disposed of to place the same in tight, covered containers, paper bags, or plastic bags having a capacity not in excess of thirty-two (32) gallons. All garbage must be drained and wrapped in paper before being placed in such containers and such containers shall be placed in a convenient place so that the garbage collector may gather the same. In no event shall a refuse container placed for collection weigh in excess of forty (40) pounds.

All pasteboard boxes, brush or similar items placed for collection must be cut down and/or folded to a length not to exceed forty-eight (48) inches and securely tied with stout cord in suitable bundles, not to exceed forty (40) pounds per bundle. Magazines shall be tied in bundles not to exceed forty (40) pounds. Newspapers shall be tied in bundles not to exceed forty (40) pounds.

(b) *Prohibited containers.* Oil drums, chemical containers, shortening cans, railroad spike cans, carbide cans, unsuitable plastic containers, kitchen and bathroom waste paper cans, shall not be permitted for the disposal of garbage, ashes, or rubbish.

- (c) *Time of placement for collection.* No garbage ashes or refuse may be placed for collection before dusk of the day before collection. Empty containers must be removed prior to 6:00 p.m. on the day of collection.
- (d) *Responsibility of customer.* The customer will be responsible for picking up garbage, ashes, or refuse scattered or littered about as a result of upset cans, torn bags, etc.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3248, § 1, 12-10-96; Ord. No. 3371, § 3, 6-19-01)

Sec. 21-5. - Ashes.

It shall be the duty of persons having ashes to be disposed of to place the same in suitable watertight metal, rubber or plastic containers holding not in excess of forty (40) pounds in weight. All ashes must be dry and may not be mixed with garbage.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92)

Sec. 21-6. - City ash tags; specifications.

City ash tags shall be of a distinctive color and printed with the city seal or other appropriate words which indicate to the garbage collector that when the tag is affixed to an ash container, it is intended for collection. The price for an ash tag shall be fifty cents (\$0.50) each.

(Ord. No. 3140, § 1, 12-8-92)

Sec. 21-7. - Limitation on quantity.

- (a) No customer shall place for collection an amount of refuse or ashes more than that which would be reasonable for one in his circumstances. The city shall have the authority to refuse the collection of unreasonable amounts. Notwithstanding the foregoing, no customer shall place for pickup, at any one (1) time, more than two (2) bags of yard waste nor more than four (4) containers of ashes; provided, however, that a customer may place in excess of four (4) containers of ashes for collection if such additional containers have affixed to them an ash tag.
- (b) Notwithstanding the provisions of subsection (a), no customer shall, during the months of April through October, place for pickup any yard waste on regular collection days. Rather, yard waste shall be placed for collection on such days as determined by order of the mayor and city council. During such special collection periods, a customer may place more than two (2) bags of yard waste for collection so long as the amount placed is not unreasonable.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3140, § 1, 12-8-92; Ord. No. 3169, § 1, 4-19-94)

Sec. 21-8. - Enforcement of chapter.

It shall be the duty of the city administrator and of the city police to watch over the collection of refuse, ashes and other material as provided in this chapter, and to report to the mayor and city council and the county health officer all cases of neglect of duty on the part of the garbage contractor, any driver of a garbage vehicle or of any customer, as provided by this chapter.

(Ord. No. 3102, § 1, 9-23-91; Ord. No. 3111, § 1, 4-14-92; Ord. No. 3140, § 1, 12-8-92; Ord. No. 3371, § 4, 6-19-01)

Sec. 21-8.1. - Setting and collection of rates for refuse collection.

- (a) (1) The following fees shall be charged by the city for garbage collection:

Per Month

- Residential customers\$ 10.40
- Commercial customers19.78
- Industrial customers19.78
- Tax exempt customers10.40

(2) The following monthly fee schedule be and is hereby adopted for the industrial/commercial users who exceed the standard garbage collection amount:

Number of bags per pickup:

- 0—8\$ 19.78
- 9—16 (200%)39.56
- 17+ (300%)59.34

(3) The following fee schedule be and is hereby adopted for the bulk item program:

Category 1: \$3.00	(40—50 lbs.)
Category 2: \$6.00	(50—150 lbs.)
Category 3: \$18.00	White goods

(b) Refuse collection fees shall be due and payable at the same time that the water and sewer charges are due and payable with respect to said customers and partial payment on any bill will first be credited to amounts for refuse collection services and the balance to outstanding charges for water and sewer services.

(c) Commercial, industrial or tax exempt customers with a valid dumpster permit issued by the director of administrative services shall be exempt from paying the trash fee contained in this section.

(Ord. No. 3371, § 5, 6-19-01; Ord. No. 3405, § 1, 6-18-02; Ord. No. 3452, § 1, 6-17-03; Ord. No. 3530, §§ 1, 2, 6-14-05; Ord. No. 3558, § 1, 6-13-06; Ord. No. 3585, §§ 1, 2, 6-12-07; Ord. No. 3643, §§ 1—3, 6-9-09; Ord. No. 3671, §§ 1—3, 6-22-10)

Sec. 21-9. - Penalties.

Any violation of any provision of this chapter shall be a municipal infraction and the violator shall be fined fifty dollars (\$50.00). Each day a violation occurs shall constitute a separate offense.

(Ord No. 3248, § 2, 12-10-96)

Sec. 21-10. - Dumpsters.

(a) Any person, company, or corporation, prior to placing a dumpster on public or private property in the city for any period of time, shall first obtain a permit from the director of administrative services. Said permit shall specify the size and location of the dumpster and the length of time that said dumpster

may be used on said property. The Mayor and City Council of Cumberland is hereby authorized to set a fee for such permits by order.

- (b) Any person having placed a dumpster on public or private property shall be responsible, either in the event of the termination prior to the expiration of the permit or removal of the dumpster, to notify the director of administrative services of said action.
- (c) In the event of multiple users of the dumpster, a permit for each user shall be required to be obtained from the director of administrative services by the person placing said dumpster on public or private property.
- (d) Dumpsters used in the course of construction activity shall be governed by this section.
- (e) A dumpster used in the city shall meet the following standards:
 - (1) The dumpster shall be painted so as to be reasonably resistant to rust and corrosion.
 - (2) The name and telephone number of the dumpster owner shall be clearly painted on at least two (2) sides of the dumpster.
 - (3) Dumpsters less than twenty (20) cubic yards in size shall be capable of being closed on all sides, except when opened for deposit or servicing.
 - (4) Dumpsters greater than twenty (20) cubic yards in size shall be capable of being secured so as to prevent the spillage of refuse, waste or garbage from the container.
 - (5) No dumpster located within two hundred (200) feet of a residential property shall be serviced between the hours of 11:00 p.m. and 5:00 a.m.
- (f) Any dumpster used in the city shall be maintained and serviced with a frequency sufficient to prevent spillage from overflow, to prevent the buildup of offensive odors, and to prevent a public hazard. The responsibility for the maintenance and servicing of dumpsters shall rest with the user or renter of the dumpster. The maintenance of dumpsters shall include the clean-up and removal of all litter thrown or left on the dumpster premises to prevent litter from drifting or blowing onto adjacent premises.
- (g) All commercial garbage and/or trash containers or dumpsters located within the City of Cumberland on any part or portion of the public right-of-way, that is, sidewalk, pedestrian footpath, or roadway, shall be illuminated with flashing beacon lights affixed thereto, or in the absence of beacons, sheeted/affixed with high intensity reflectorized orange and silver construction or work zone sheeting pursuant to regulations specified by the director of public works. All dumpsters shall be illuminated or reflectorized twenty-four (24) hours daily. The director of public works shall cause to be printed and have available for inspection and distribution the regulations cited in this subsection concerning specifications for beacon illumination or reflectorized sheeting.
- (h) Any person who shall violate any provision of this section, or any provision of any rule or regulations adopted pursuant to authority granted by this section, shall be guilty of a municipal infraction punishable by a fine in the amount of five hundred dollars (\$500.00).
- (i) The provisions of this section shall be enforced by the director of public works.

(Ord. No. 3526, §§ 1—9, 5-31-05)

CITY OF CUMBERLAND
SOLID WASTE COLLECTION
Rules and Regulations

1. Containers shall be of a capacity not to exceed FORTY POUNDS in weight, and must have securely fitted lids. Paper or plastic garbage bags of suitable gauge and strength may be used in place of metal, rubber or plastic cans. When used, such bags must be securely fastened at the top. The number of bags per pickup is limited to eight (8) for residential customers, sixteen (16) for commercial customers (*1st tier*), and thirty (30) for commercial customers (*2nd tier*).
2. All ashes must be placed in suitable watertight, metal, rubber or plastic containers and not be in excess of FORTY POUNDS in weight. All ashes must be dry, cool enough for handling, and may not be mixed with garbage.
3. Oil drums, chemical containers, shortening cans, railroad spike cans, carbide cans, unsuitable plastic containers, kitchen and bathroom waste paper cans shall not be permitted for the disposal of garbage, ashes or rubbish.
4. All garbage and ash cans must have a handle that will extend down over the side of the can, or two suitable side handles, and must have securely fitted lids.
5. Place receptacles away from parked vehicles to insure pickup.
6. All boxes, brush, or similar items placed out for disposal must be cut down and/or folded to a length not to exceed forty-eight inches and must be tied and secured in suitable bundles before being placed at the curb. The weight of each bundle must not exceed FORTY POUNDS.
7. Magazines shall be tied and secured in bunches not to exceed FORTY POUNDS. Newspapers, if not recycled, shall also be tied and secured in bundles not to exceed FORTY POUNDS.
8. Collections will be made in accordance with the schedule mutually agreed upon by the City of Cumberland and the successful bidder.
SCHEDULE:
MONDAY AND THURSDAY: East Side, West Side
TUESDAY AND FRIDAY: South Cumberland
WEDNESDAY AND FRIDAY: Downtown
WEDNESDAY AND SATURDAY: North Cumberland
9. No garbage, ashes, refuse, etc., may be placed at the curb before dusk the day before collection, and empty containers must be removed prior to 6:00 p.m. on the day of collection.
10. The responsibility for picking up garbage, ashes or refuse scattered or littered about, as a result of upset cans, torn bags, etc., is that of the homeowner or property owner from whom such garbage, etc., is to be collected.

11. A penalty of Fifty Dollars (\$50.00) is prescribed for violating any of the rules and regulations pertaining to the disposal of garbage and other household refuse. THERE ARE SEVERAL PENALTIES FOR THROWING OR DUMPING GARBAGE, ASHES, OR REFUSE IN OR UPON ANY PROPERTY IN THE CITY LIMITS.
12. Nothing is to be placed at the curb in cardboard boxes, as they tend to break up and deteriorate when wet.
13. Construction material, at the discretion of the City of Cumberland, should not be placed at the curb for pickup.
14. Rocks and dirt are not acceptable as yard waste and will not be picked up.

BULK ITEM PICKUP PROGRAM

SCHEDULING

To schedule a collection, please call the Public Works Office at 301-759-6620 between the hours of 8:00 a.m. and 3:00 p.m., Monday – Friday.

All collections must be scheduled by the 20th of each month for collection the following month.

FEES

Category 1: \$3.00 per item

Small chairs, tables, sinks, toilets, small televisions, and other items weighing under 50 pounds.

Category 2: \$6.00 per item

Mattresses, box springs, couches, carpeting, padding, large televisions dressers, cabinets, bathtubs, and other items weighing between 50 and 150 pounds.

Category 3: \$18.00 per item

White goods (stoves, refrigerators, washers, dryers, air conditioners, freezers, etc.)

ORDINANCE NO. 2010 – 14; As Amended

AN ORDINANCE OF THE MAYOR AND CITY COUNCIL OF THE CITY OF FROSTBURG TO AMEND THE CITY CODE OF THE CITY OF FROSTBURG TO PROVIDE FOR MUNICIPAL SOLID WASTE MANAGEMENT

WHEREAS: Article 5, Section 5.02 of the City Charter authorizes the Mayor and Council of the City of Frostburg, “ to require, regulate, and/or provide for the collection and removal of filth, garbage, or any matter or thing that is or may become injurious to the health or comfort of the inhabitants of the City of Frostburg, and to provide whether the expense, if any, shall be borne by individual property owners or tenants or shall be paid for in whole or in part by the City”; and

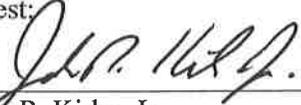
WHEREAS: Article IV of the City Code for the City of Frostburg provides for Municipal Refuse Collection and the Mayor and City Council desire to improve the efficiency of the collection of solid waste and encourage the citizens to increase their efforts at Reduce, Reuse, Recycle and Compost.

NOW, THEREFORE, in consideration of the foregoing, the Mayor and Council of the City of Frostburg do hereby amend the City Code of the City of Frostburg to repeal the Article IV Municipal Refuse Collection; and reenact with amendments and rename Article IV Municipal Solid Waste, as set forth in the following document which is incorporated herein and made a part hereof.

Introduced: December 16, 2010
Public Hearings: January 20, 2011
February 17, 2011
Adopted: March 17, 2011
Effective: July 5, 2011

MAYOR AND CITY COUNCIL OF FROSTBURG

BY 
Arthur T. Bond, Mayor

Attest:

John R. Kirby, Jr.
City Administrator

ARTICLE IV: MUNICIPAL SOLID WASTE

SECTION I

Title: This ordinance shall be known and may be cited as the "Municipal Solid Waste" Ordinance of the City of Frostburg.

SECTION II

Definitions: For the purposes of this Ordinance, the following terms, phrases, words and their derivations shall have the meaning given herein. When inconsistent with the context, the words used in the present tense include future; words in the plural number include singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directory:

Allegheny County Solid Waste Management – shall include the Solid Waste Management Plan as required by the State of Maryland and the Solid Waste Management Board as appointed by the Allegheny County Commissioners.

Bags – shall mean any commercially produced bag, designed for solid waste, regardless of size and sold as a "garbage or trash" bag.

Bulk Items – Materials that are not considered normal household waste such as furniture, construction materials, carpeting, appliances not containing Freon based refrigerants or any accumulation of "Solid Waste" in excess of the limits set forth in the Ordinance or not properly prepared for pickup as set forth in this Ordinance. The definition of Bulk Items shall not include any appliances with Freon based refrigerants, tires, batteries, paint or other chemicals or materials prohibited as set forth in SECTION IV.

Commercial Waste – shall include materials generated from non-residential home activities including for-profit businesses and construction waste or materials.

Construction Materials – shall include those materials generated by a contractor and/or a homeowner and shall include items such as dry wall, carpet, doors, pipe, kitchen and bathroom fixtures and other wood items.

Dumpster – shall mean a commercial container designed for solid waste that is sited on a property and serviced by a private solid waste hauler. For all new construction, dumpsters must be sited within the requirements of SECTION 320 of the Zoning Ordinance for the City of Frostburg. For existing structures, siting will be based on a case by case determination

Residential Customer – shall include all residential home units including single family homes and multi-tenant facilities of four (4) units or less.

Solid Waste – shall include materials commonly known as garbage, refuse and rubbish that are generated in the normal course of life in a residential home setting and shall not include any commercial waste or construction waste or materials.

SECTION III

Collections: The City shall collect the permitted amount and types of solid waste from residential locations once each week. Collection routes shall be planned so that approximately one third (1/3) of the City will be collected on Tuesday, Wednesday and Thursday. When a Holiday occurs during one of the three collection days, the City shall collect solid waste for that portion of the City on either Monday or Friday. Solid waste may be placed

at the curb or other designated location for pickup not before 8:00 p.m. of the night before the set collection day and must be in place by 7:00 a.m. of the set collection day. For any solid waste placed out for collection after the City truck has passed that address will not be collected until the following week and shall be removed from the curb by the property owner or resident, or other designated location.

SECTION IV

Types of Solid Waste: The City reaffirms that its Solid Waste collection services are for residential solid waste materials only and not bulk items, furniture or construction materials. These types of materials may be collected during the City's Annual Bulk Pickup. Any materials or substances listed as prohibited from being placed in a sanitary landfill by State or Federal law or regulation or by the provisions of the Allegany County Solid Waste Management Plan or by the owner and/or operator of the sanitary landfill used for solid waste in Allegany County shall not be collected by the City of Frostburg. Persons knowingly placing such materials out for City collection may be considered as violating the provisions of this Ordinance.

SECTION V

Bags Mandated: All solid waste must be properly prepared for pick up by being placed in commercially produced bags, intended for household solid waste and be securely closed. The bags may be placed in cans to prevent being torn open by animals or weather. Loose materials placed in cans will not be collected. One exception to the requirement of commercially produced bags is the use of plastic bags from retail stores or grocery stores. These bags may only be used if they are secured and placed in a can as they are not designed to be exposed to the weather.

SECTION VI

Amount of Solid Waste: The maximum amount of solid waste that each household would be permitted to set out for the Weekly Collections would be set *at* 8 bags. Any bag or can of solid waste shall not exceed 40 pounds in total weight. For cans, this shall include the weight of the can. Cans shall not exceed a volume capacity of 50 gallons. Cans that require two workers to lift shall not be permitted.

SECTION VII

Multi-Tenant Buildings – Any established multi-tenant buildings with five (5) or more units at the same address shall be required to contract with a private hauler for the removal of the solid waste and its collection in a dumpster. The City will work with each property owner to address circumstances where the properties do not permit a dumpster to be located either due to the lack of side or rear yard space or where the private hauler has indicated that they can not access the property to set and service a dumpster. On a case by case basis the City may determine that it is not feasible for a specific property to have a dumpster located on their property.

SECTION VIII

Storage of Solid Waste – No person shall place any solid waste in any street, alley or other public place within the City unless it is in proper containers for collection. All solid waste must be kept on private property in keeping with the provisions of the Property Maintenance Code and the Rental Housing Code. No person shall cast, place, sweep or deposit anywhere within the City any solid waste in such a manner that it may be carried or deposited by the elements upon any street, sidewalk, alley, sewer, parkway or other public place, or into any occupied or unoccupied premise in the City. Any unauthorized accumulation of solid waste on any premises is

hereby declared to be a nuisance and is prohibited. Failure to remove any existing accumulation shall be deemed a Municipal Infraction and subject to the penalties provide within the City Code.

SECTION IX

Recycling – The Mayor and City Council are committed to the goal of increasing the amount of recycling as an ongoing part of the effort to reduce the amount of solid waste generated within the City and/or on a per household basis. The City shall cooperate with the Allegany County Solid Waste Management Board on the siting and marketing of a recycling location inside the City for all materials including a dedicated cardboard trailer and a dedicated plastics trailer.

Cardboard – It is the City’s intent that residents make every effort to recycle cardboard from their home solid waste. However the City will permit cardboard that is unable to be recycled to be placed in residential cans along with the other bagged solid waste. Larger amounts of this type of cardboard may be placed at the curb along with the bagged solid waste for pickup. However these larger amounts of cardboard must be broken down into the smallest size possible and securely bundled with rope or tape. These larger bundles will count towards the maximum 8 bag weekly limit.

SECTION X

Yard Waste – The City will assess the use of a dedicated compost site at the Mountain View Landfill for yard waste. Collections shall be done weekly on either Monday or Friday, in season, with additional collection days during October and November. Yard waste, such as grass clippings, garden materials and leaves, must be contained in the same manner as household solid waste. Brush and tree branches must be tied in bundles not longer than six (6) feet in length.

SECTION XI

Bulk Pick Ups – The City may hold an annual Bulk Pick Up where residents may place out for collection larger amounts of materials. Each residential unit may place out for pick up an amount of materials equal to the volume of a pick up truck bed or the hopper of the City’s rear-loaded garbage truck. Materials excluded include any appliances with Freon based refrigerants, tires, batteries, paint or other chemicals or materials prohibited as set forth in SECTION IV. There shall be no additional fee for the annual bulk pick up, unless the amount set out by a resident exceeds the volume set forth above. If a residence has more that the amount permitted, a Special Pickup Charge shall be billed to the property owner.

SECTION XII

Budgeting – Solid Waste Collection *is* a business like activity undertaken by the City government, similar to water and sewer. It is addressed in the annual City Budget in the Garbage Fund. It shall be the policy of the City of Frostburg to have the Garbage Fund self-sufficient without financial support for operating expenses from the Corporate Fund. At the time of the adoption of this Ordinance, the Garbage Fund is providing for the repayment of the financing for the garbage truck. It shall be the policy of the City of Frostburg to maintain budget line item levels into the future in order to provide for future equipment purchases. The setting of all Quarterly Charges and Special Pick up Fees for Solid Waste Collection shall be done in the annual Budget Ordinance.

SECTION XIII

Enforcement – It shall be the policy of the City of Frostburg to enforce the provisions of this Ordinance through the office of the Code Enforcement Inspector, Police Department and Street Department. Violations of any portion of this Ordinance shall be deemed as a Municipal Infraction and a Fine may be imposed of \$100 for the first offense and \$250 for the second and subsequent offenses, amending the provisions of Ordinance 2010-9 as adopted on November 18, 2010.

ORDINANCE NO. 2011 - 04

AN ORDINANCE OF THE MAYOR AND CITY COUNCIL OF THE CITY OF FROSTBURG TO AMEND CERTAIN PROVISIONS OF ORDINANCE 2010 – 14 MUNICIPAL SOLID WASTE MANAGEMENT

WHEREAS: Article IV of the City Code for the City of Frostburg provides for Municipal Refuse Collection and the Mayor and City Council desire to improve the efficiency of the collection of solid waste and encourage the citizens to increase their efforts at Reduce, Reuse, Recycle and Compost; and

WHEREAS, the Mayor and Council did Adopt Ordinance 2010-14, As Amended on March 17, 2011 to provide for the reorganization of the City's collection and management of solid waste; and

WHEREAS, subsequent to the passage of Ordinance 2011-14, As Amended, the Council determined that SECTION X of the Ordinance did not represent the desires of the Council regarding the collection of Yard Waste.

NOW, THEREFORE, in consideration of the foregoing, the Mayor and Council of the City of Frostburg do hereby amend the City Code of the City of Frostburg to repeal SECTION X of Ordinance 2010-14, As Amended; reenact SECTION X as follows:

SECTION X

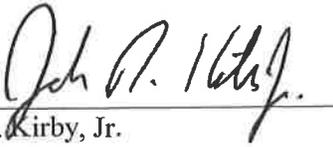
Yard Waste – The City will assess the use of a dedicated compost site at the Mountain View Landfill for yard waste. Collections shall be done once a month on the second Monday, in season, with additional collection days during October and November to be determined. Yard waste, such as grass clippings, garden materials and leaves, must be contained in the same manner as household solid waste. No bag or can may exceed 50 gallons or 40 pounds, including the weight of the can. Brush and tree branches must be tied in bundles not longer than six (6) feet in length. Each property shall be limited to 25 bags or bundles per pick up.

Introduced: April 21, 2011
Public Hearings: May 19, 2011
Adopted: May 19, 2011
Effective: June 8, 2011

MAYOR AND CITY COUNCIL OF FROSTBURG

BY 
Arthur T. Bond, Mayor

Attest:


John R. Kirby, Jr.
City Administrator

ORDINANCE NO. 2011 - 08

AN ORDINANCE OF THE MAYOR AND CITY COUNCIL OF THE CITY OF FROSTBURG TO AMEND CERTAIN PROVISIONS OF ORDINANCE 2010 – 14 MUNICIPAL SOLID WASTE MANAGEMENT

WHEREAS: Article IV of the City Code for the City of Frostburg provides for Municipal Refuse Collection and the Mayor and City Council desire to improve the efficiency of the collection of solid waste and encourage the citizens to increase their efforts at Reduce, Reuse, Recycle and Compost; and

WHEREAS, the Mayor and Council did Adopt Ordinance 2010-14, As Amended on March 17, 2011 to provide for the reorganization of the City's collection and management of solid waste; and

WHEREAS, subsequent to the passage of Ordinance 2011-14, As Amended, the Council determined that SECTION VIII of the Ordinance did not sufficiently address the issues of Waste Storage.

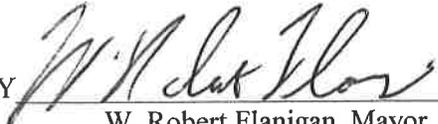
NOW, THEREFORE, in consideration of the foregoing, the Mayor and Council of the City of Frostburg do hereby amend the City Code of the City of Frostburg to repeal SECTION X of Ordinance 2010-14, As Amended; reenact SECTION VIII as follows:

SECTION VIII

Storage of Solid Waste – No person shall place any solid waste in any street, alley or other public place within the City unless it is in bags or cans as set forth within the provisions of this Ordinance for collection. All solid waste being stored between City collections shall be placed in leak proof containers as set forth in Section 308.3.2 of the International Property Maintenance Code. Stored solid waste may not be visible from the street and shall be placed either in the rear of the property or when stored on the side must be screened. No person shall cast, place, sweep or deposit anywhere within the City any solid waste in such a manner that it may be carried or deposited by the elements upon any street, sidewalk, alley, sewer, parkway or other public place, or into any occupied or unoccupied premise in the City. Any unauthorized accumulation of solid waste on any premises is hereby declared to be a nuisance and is prohibited. Failure to remove any existing accumulation shall be deemed a Municipal Infraction and subject to the penalties provide within the City Code.

Introduced: November 17, 2011
Public Hearings: December 15, 2011
Adopted: December 15, 2011
Effective: January 4, 2012

MAYOR AND CITY COUNCIL OF FROSTBURG

BY 
W. Robert Flanigan, Mayor

Attest:

John R. Kirby, Jr.
City Administrator

APPENDIX G:

ALLEGANY COUNTY REUSE DIRECTORY

First Step in Responsible Waste Management

REDUCE

Source reduction, also known as waste prevention, is the practice of designing, manufacturing, purchasing, or using materials (such as products and packaging) in ways that reduce the amount or toxicity of waste.

Source reduction can help reduce waste disposal and handling costs because it avoids the cost of recycling, municipal composting, landfilling and combustion.

Did you Know?

Over the last few decades, the generation, recycling, composting and disposal of *MSW have changed substantially. While solid waste generation has increased, from 3.66 to 4.38 pounds per person per day between 1980 and 2012, the recycling rate has also increased from less than 10 percent of *MSW generated in 1980 to over 34 percent in 2012. www.epa.gov/warm

*Municipal Solid Waste

Second Step in Responsible Waste Management

REUSE

This **Reuse Directory** can help you locate where to donate good used items that would otherwise end up in the landfill.

Remember, yard sales, pawn shops, classified ads, auctions and antique stores are also good sources for buying or selling reusable items.

How Else Can You Help?

- * Take a reusable mug to work
- * Use rechargeable batteries
- * Reuse bags, bottles and jars
- * Purchase refillable printer cartridges, pens and pencils
- * Use the back of one sided copy paper as note pads
- * Purchase products made of materials that can be recycled
- * Take reusable bags to the market

Allegany County Recycling Office
www.gov.allconet.org/recycle
Phone: 301-777-5933 X-210
Email: recycling@alleganygov.org

Third Step in Responsible Waste Management

RECYCLE

Recycle in Allegany County.

When you've done all you can do to avoid waste, **recycle**. Producing goods from recycled materials typically consumes less energy and conserves raw materials.

In Allegany County you can recycle: glass, aluminum and steel cans, #1 & #2 plastic bottles and jugs, cardboard, newspaper, magazines, office paper, tires, oil, antifreeze, yard waste, electronics, white goods and batteries.

Special recycling events are held for tires, household hazardous waste, and telephone books.

COMPOST

Compost Your Yard Waste

The Allegany County **Compost** Site 11700 PPG Road, Cumberland, MD accepts grass, leaves and limbs (no larger than 4" in diameter). Please **do not** bring stumps, roots, rubble, demolition, railroad ties or garbage. Composted material may be removed at no charge.

REUSE DIRECTORY

for

ALLEGANY COUNTY,
MARYLAND

www.gov.allconet.org/recycle



**Allegany County
Commissioners
and
Solid Waste
Management Board**

December 2014

Printed on 30%
Post Consumer Recycled Paper

LIST OF ITEMS THAT CAN BE DONATED FOR REUSE

Items	Org. Code	Items	Org.
Accessories (Hats, Gloves, Etc)	2 6	Curtains & Rugs	2
Appliances * (large)	2 3	Dishes	1 2 3 4 6
Appliances * (Small)	1 2	Eyeglasses	2 9
Antiques & Collectables	6	Exercise Equipment*	4
Art Items (Pictures, Frames, Pottery)	6	Food (non-perishable)	8 13
Bicycles & sewing machines	2 6 11	Furniture (small or large)	2 3 6
Books	2 3 6 7 8	Home Decorations	2 4 6 7
Buckets	5 10	Housewares (misc.)	1 2 4 6
Cabinets	5	Kitchen Items	1 2 4
Cartridges (inkjet, laser)	8	Landscape Tools & Plant Containers	12
CDs, DVDs & LPs	6	Linens (blankets, sheets & Towels)	2 5
Cleaning Supplies	5 8 10 13	Medical Equipment: (Wheelchair, Cane,	4 9
Clothing (Adult/Children)	1 2 3 6	Office Equipment*	2
Computers * & Peripherals	2	Paper Products (towels, toilet paper)	1 8 13
Craft Items	2 3 7	Pet items (crates, carriers, food bowls,	2 5 10
Crayons	3	School Supplies	2 3
Cribs/playpens (all parts included)	2	Towels	2 5
<i>No car seats</i>		Toys (Games, and Puzzles)	1 2 6 7

ORGANIZATIONS ACCEPTING DONATED ITEMS

PLEASE, call ahead to be sure your items are needed at this time!

<u>Code</u>	<u>Organization</u>	<u>Phone</u>
1.	Family Crisis Resource Center www.familycrisisresourcecenter.org	301-759-9246
2.	Horizon Goodwill Industries (NO items containing Freon)	301-729-9404 X-1809
3.	HRDC Head Start	301-724-2547
4.	Adult Day Care Centers www.alleganyhrdc.org Willow Creek George's Creek	301-777-8422 301-463-4085
5.	Allegany County Animal Shelter www.ashelterofhope.com	301-777-5930
6.	Barkin Basement www.barkinbasementthriftshop.com	301-777-0826
7.	Cumberland Senior Center	301-724-8626
8.	Healing Hunger Food Service, Inc.	301-724-4476
9.	LaVale Lion's Den www.lavalelions.com	301-729-4166
10.	Safe Shelter, Inc. www.adoptapet.com/adoption_rescue/87596.htm	301-478-3206
11.	Bikes for the World BikesfortheWorld.org	301-777-8783
12.	Frostburg Grows www.frostburg.edu/aces/frostburg-grows/	301-687-3136
13.	Western MD Food bank www.wmmdfoodbank.org	301-722-2797

Check with schools and local organizations for special coat drives during fall/winter months!

Check with local businesses. They may be interested in reusing items too!

To add, update or remove items, or organizations from this directory, please contact

Allegany County Recycling Office Phone: **301-777-5933 X-210**

e-mail: Recycling@alleganygov.org

Donated items MUST be CLEAN and in GOOD CONDITION

APPENDIX H:

PROPOSED SOLID WASTE HAULERS LICENSING PROGRAM

**CONCEPTUAL OUTLINE FOR
RECOMMENDED REFUSE COLLECTION/Hauler
LICENSING PROGRAM**

PURPOSE:

To protect the citizens and environment of Allegany County by insuring refuse collectors/haulers are reputable and responsible business entities. The licensing procedure will also be a resource to residents wishing to contract for refuse collection and help curb abuse of the 10 bag limit currently in effect for residential trash at the County's refuse disposal box sites.

PROGRAM OUTLINE:

- (1) No person or company shall engage in the business of collecting or hauling garbage, municipal waste, recyclables or other refuse from sites within the County without first procuring a license to do so through the Allegany County Department of Public Works.
- (2) Allegany County shall prepare and make available to all haulers an application form for vehicle license. The application shall require payment of a nominal fee and include the following information.
 - a. Company Name
Year Company Formed
 - b. President Name
 - c. Contact Information
Office Phone Number, Cell Phone Number, Fax Number
 - d. Mailing Address
 - e. Business Hours
 - f. Number of Employees
 - g. Number of Vehicles Used for Hauling
VIN Number(s)
Registration Number(s)
 - h. Payment Methods and Rates
 - i. Tax ID Number
 - j. Bonded/Registered
 - k. Workmen's Compensation Information
Coverage must include all employees entering private property
 - l. Vehicle Insurance
Coverage must be at a commercial rate to cover minimum commercial requirements for refuse facilities.
- (3) Any changes in the information listed above must be reported to the County in writing within 30 days.
- (4) Any licensed hauler who violates any provisions of this Article shall be subject to a penalty (amount to be determined).

APPENDIX I:

ALLEGANY COUNTY SOLID WASTE AND RECYCLING
PROGRAM COSTS - FISCAL YEAR 2012

ALLEGANY COUNTY SOLID WASTE DISPOSAL COSTS

FY 2012

SITE	OLDTOWN	FLINTSTONE	ORLEANS	LANDFILL	TOTAL	%
No. of Boxes Hauled	149	81	43	911	1,184	
Ton MSW Hauled	513	277	150	2,228	3,168	
Cost to Operate Sites						
Hauling	\$25,130.00	\$13,702.00	\$8,351.00	\$36,440.00	\$83,623.00	21%
Landfill Fees	\$28,241.00	\$15,270.00	\$8,243.00	\$122,629.00	\$174,383.00	44%
Personnel	\$18,066.00	\$18,066.00	\$12,017.00	\$30,048.00	\$78,198.00	20%
Site Rental	\$3,600.00	---	---	---	\$3,600.00	1%
Utilities	\$738.00	\$738.00	\$416.00	---	\$1,892.00	1%
Subtotal Direct Costs	\$75,775.00	\$47,776.00	\$29,027.00	\$189,117.00	\$341,696.00	87%
Other Expenses-shared	\$11,525.00	\$7,267.00	\$4,415.00	\$28,764.00	\$51,971.00	13%
Total Cost	\$87,300.00	\$55,043.00	\$33,442.00	\$217,881.00	\$393,667.00	100%
Cost/Ton						
	\$170	\$199	\$223	\$98	\$124	
Tag Sale Revenue					-\$173,610.00	
Net Cost to General Fund						
Dollars					\$220,057.00	
Cost/Ton					\$69	

See Page 2 of 2 for accompanying notes.

**ALLEGANY COUNTY SOLID WASTE DISPOSAL COSTS
FY 2012
ACCOMPANYING NOTES**

1. Hauling Costs – actual per site plus fuel adjustment proportioned per site
2. Landfill Fees – tons per site at \$55.06/ton (average cost for all waste delivered)
3. Personnel (as a percentage of annual salary plus fringe costs)

	Oldtown	Flintstone	Orleans	Landfill	Solid Waste %	Recycling %
R. Mason	7.5%	7.5%	7.5%	7.5%	30%	70%
C. LeMaster	36%	36%	18%	---	90%	10%
H. Kimble	36%	36%	18%	---	90%	10%
Landfill Guards	---	---	---	80%	80%	20%
T. Bennett ⁽¹⁾	6%	6%	6%	7%	25%	75%
D. Kitzmiller	---	---	---	---	---	100%
G. Clise	---	---	---	---	---	25%
B. McCormick	1.5%	1.5%	1.5%	3.0%	7.5%	7.5%

⁽¹⁾Based on 65% of annual salary and fringes.

4. Site Rental:

Oldtown (#8193)

5. Utilities:

Phone – Oldtown and Flintstone (equal share of #8207)

Electric – Oldtown, Flintstone, Orleans (equal shares of #8201)

6. Other Expenses:

Shared Costs (proportioned on percentage of Direct Costs)

- (a) Groundwater Testing – closed landfills (#8589)
- (b) Auto Expense (30% of #8621, #8622, #8623 based on percentage of R. Mason time to Solid Waste, remaining 70% to Recycling Costs)
- (c) Administrative expenses (#8115, 8120, 8140, 8168, 8171, 8691)
- (d) Property O&M (#8310, 8355, 8385, 8602, 8607)

ALLEGANY COUNTY RECYCLING PROGRAM COSTS				
FISCAL YEAR 2012				
	SCATTERED SITES	COMPOST SITE	TOTAL	%
No. of Hauls				
Recycling Boxes	216	-	216	
Plastic Trailers	96	-	96	
OCC Trailers	192	-	192	
TONS RECYCLED	1,349	2,502	3,851	
Cost of Program				
Bin Rental	\$12,600.00	-	\$12,600.00	8%
Hauling Costs	\$35,308.00	-	\$35,308.00	21%
Personnel	\$67,810.00	\$24,869.00	\$92,679.00	35%
Grinding Compost	-	\$11,475.00	\$11,475.00	7%
Subtotal - Direct Costs	\$115,718.00	\$36,344.00	\$152,062.00	
Other Shared Costs (Auto, Admin. Recycled Tires, etc.)	\$11,544.00	\$3,625.00	\$15,169.00	9%
Total Cost	\$127,262.00	\$39,969.00	\$167,231.00	100%
Cost/Ton	\$94/Ton	\$16/Ton	\$43/Ton	
Revenue				
Recycling Fee	-\$29,245.00	-\$9,185.00	-\$38,430.00	
Recycled Materials	-\$24,098.00	-\$2,590.00	-\$26,688.00	
Net Cost to General Fund				
Dollars	\$73,919.00	\$28,194.00	\$102,113.00	
Cost/Ton	\$55/Ton	\$11/Ton	\$27/Ton	

See Page 2 of 2 for accompanying notes.

**ALLEGANY COUNTY SOLID WASTE RECYCLING COSTS
FY 2012
ACCOMPANYING NOTES**

1. Number of Hauls – actual count
2. Tons Recycled – actual weights and estimates from Calendar Year 2011 Recycling Report
3. Bin Rental – recycling bins from Advance Disposal (#8194)
4. Hauling Costs – total for scattered sites, includes any waste disposal (#8208 Sanitation Fees)
5. Personnel (as a percentage of annual salary plus fringe costs)

	Oldtown	Flintstone	Orleans	Landfill	Solid Waste %	Recycling %
R. Mason	7.5%	7.5%	7.5%	7.5%	30%	70%
C. LeMaster	36%	36%	18%	---	90%	10%
H. Kimble	36%	36%	18%	---	90%	10%
Landfill Guards	---	---	---	80%	80%	20%
T. Bennett ⁽¹⁾	6%	6%	6%	7%	25%	75%
D. Kitzmiller	---	---	---	---	---	100%
G. Clise	---	---	---	---	---	25%
B. McCormick	1.5%	1.5%	1.5%	3.0%	7.5%	7.5%

⁽¹⁾Based on 65% of annual salary and fringes.

6. Other Expenses:

Grinding Costs of Compost (#8525 for July 2011 and Jan. 2012)

7. Other Shared Costs (proportioned on percentage of Direct Costs)

- (a) Electric (#8201)
- (b) Auto Expense (70% of #8621, #8622 and #8623 costs from Solid Waste Budget 1540 plus #8621, #8622 of Recycling Budget 1559)
- (c) Administrative expenses (#8115, 8120, 8125, 8168, 8171, 8176, 8180, 8209)
- (d) Property O&M (#8310, 8602, 8607)
- (e) Tires Recycled (#8629)

8. Income (proportioned on percentage of Total Costs)

- (a) Recycling Fee – proportioned on percentage of total costs
- (b) Recycled Materials – actual for scattered sites and compost sold

**ALLEGANY COUNTY RECYCLING PROGRAM
DIRECT COSTS FOR SPECIFIC RECYCLABLES
CALENDAR YEAR 2011**

RECYCLED MATERIAL	NO. HAULS	TONS/HAUL	TONS RECYCLED	COSTS (1)		REVENUE		NET COST	
				DOLLARS	\$/TON	DOLLARS	\$/TON	DOLLARS	\$/TON
ONP	165	3.63	599.99	\$13,353.00	\$22.25	\$8,700.00	\$14.50	\$4,653.00	\$7.76
Steel Cans	165	0.35	57.57	\$1,284.00	\$22.25	\$1,410.00	\$24.49	-\$126.00	-\$2.18
Aluminum Cans	165	0.08	13.78	\$299.00	\$22.25	\$7,890.00	\$572.57	-\$7,591.00	-\$550.87
Glass	40	5.98	239.45	\$14,595.00	\$60.95	---	---	\$14,595.00	\$60.95
OCC									
Co. Trailers	132	0.48	62.70	\$3,960.00 ⁽²⁾	\$63.16	\$1,428.00	\$22.78	\$2,532.00	\$40.38
Penn-Mar	---	---	27.02 ⁽³⁾	---	---	\$615.00	\$22.78	\$615.00	-\$22.78
Plastics									
Co. Trailers	96	0.41	39.60	\$2,880.00 ⁽²⁾	\$72.72	\$970.00	\$24.50	\$1,910.00	\$48.23
Penn-Mar	174 (est.)	0.41	71.35	---	---	\$1,748.00	\$24.50	\$1,748.00	-\$24.50

Notes:

- (1) Costs are for hauling and processing only, unless otherwise noted.
- (2) Costs include hauling and County labor at \$30/haul (1-1/2 hours labor and 18 miles @ \$0.55)
- (3) OCC from County staff and Bd. of Education. All other OCC is at no cost or revenue to County).