

# ***SOLID WASTE MANAGED IN MARYLAND***

## ***CALENDAR YEAR 2002***

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***REPORT TO THE  
HOUSE ENVIRONMENTAL MATTERS COMMITTEE  
and  
SENATE EDUCATION, HEALTH, and  
ENVIRONMENTAL AFFAIRS COMMITTEE***

September 2003



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# **Maryland Department of the Environment**

## **Annual Report to the Legislature Solid Waste Managed in Maryland Calendar Year 2002**

### **Introduction**

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The Maryland Department of the Environment (MDE or Department) respectfully submits to the House Environmental Matters Committee and the Senate Education, Health and Environmental Affairs Committee the Department's Annual Report regarding how solid waste was managed in Maryland during calendar year 2002. MDE has prepared the report in accordance with the requirements of § 9-204(m) of the Environment Article, Annotated Code of Maryland, Chapter 555 of the Acts of 1998.

The reporting requirements defined in § 9-204(m) of the Environment Article direct MDE to prepare a report on the amount of solid waste, by weight or volume, which was disposed in the State during the previous year. All permitted solid waste acceptance facilities must provide MDE with the information needed to prepare this report on an annual basis. The report must identify:

- (1) The amount of waste disposed by the following solid waste categories:
  - ❑ Construction and Demolition Debris (C&D)
  - ❑ Incinerator Ash
  - ❑ Industrial Waste
  - ❑ Land Clearing Debris (LCD)
  - ❑ Municipal Solid Waste (MSW)
  - ❑ Any other solid waste identified by the Department;
- (2) The amount of solid waste disposed in the State that is generated outside the State.
- (3) The jurisdictions where the solid waste originated.
- (4) The amount of solid waste generated in the State that is transported outside the State for disposal.
- (5) An estimate of the amount of solid waste managed or disposed by:
  - ❑ Recycling
  - ❑ Composting
  - ❑ Landfilling
  - ❑ Incineration

In addition to reporting the information relating to the quantities of solid waste managed and disposed, owners of permitted solid waste acceptance facilities may also submit optional information to MDE relating to the economic benefits provided by the solid waste acceptance facility to the community where that facility is located. Information reported by the permitted facilities may include:

- (1) An accounting of the facility's economic benefits provided to the locality where the facility is located.
- (2) The value of disposal and recycling facilities provided to the locality at no cost or reduced cost.
- (3) Direct employment associated with the facility.
- (4) Other economic benefits resulting from the facility during the preceding calendar year.

## **Data Collection Methodology**

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### **Solid Waste Disposal Data:**

To collect the necessary information to comply with the reporting requirements of § 9-204(m) of the Environment Article, MDE compiled the data reported by permitted solid waste acceptance facilities that accepted waste for the 2002 calendar year from the Annual Tonnage Reports. These reports are required to be submitted as a condition of each facility's Refuse Disposal Permit and describe the facility's waste management activities for the preceding year. Appendix A provides a list of the State's permitted solid waste acceptance facilities. The Annual Tonnage report also provides an opportunity for the solid waste acceptance facility to provide optional information, which describes the economic benefits that the facility provides to the community. Appendix B provides a summary of the information MDE received from the facilities that chose to provide this optional information.

### **Recycling Data:**

To develop the required data summarizing recycling activities during the 2002 calendar year, MDE compiled the information contained in the Maryland Recycling Act (MRA) Tonnage reports. These reports are submitted annually to the Department by county recycling programs and the City of Baltimore. The MRA Tonnage reports provide detailed information relating to the types and quantities of materials recycled in each political jurisdiction for the preceding year. The information contained in these reports demonstrates a jurisdiction's compliance with the mandated recycling goals as defined in § 9-505 of the Environment Article. Specifically, the goals mandate a 15% recycling rate for counties with populations of less than 150,000 and a 20% recycling rate for counties with populations greater than 150,000.

## Definitions

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**Construction and Demolition Waste** - Structural steel, cement, concrete, bricks (excluding refractory brick), lumber, plaster, plasterboard, insulation material, shingles and roofing material, floor and wall tile, asphalt, pipes and wires, and other structural fabrics (COMAR 26.04.07.13).

**Disposal** - For the purpose of this report, the term disposal means the landfilling or combustion of solid waste.

**Incinerator Ash** - The residual by-products resulting from the combustion of solid waste, including bottom ash and residuals from air pollution abatement equipment, at permitted incinerators and waste-to-energy facilities.

**Industrial Waste** - Any waste generated by a process of industry, manufacturing, trade or business or by the development of any natural resource, including agriculture (COMAR 26.08.01.01B(40)).

**Land Clearing Debris** - Materials from land clearing operations including: earthen materials such as clays, sands, gravels, and silts; topsoil; tree stumps; root mats; brush and limbs; logs; vegetations; and rock (COMAR 26.04.07.11(B)).

**Maryland Recycling Act (MRA) recycling rate** - The percentage of materials that were recycled as defined by the Maryland Recycling Act. Materials counted towards the MRA recycling rate include garbage or refuse that would, unless recycled, be disposed of in a refuse disposal system. The MRA recycling rate excludes the following materials in its calculation: hospital waste, construction and demolition waste, scrap metal, land clearing debris, and sewage sludge.

**Municipal Solid Waste** - That portion of "solid waste" as defined in COMAR 26.13.02.02 that originates from households, private residences, schools, institutions, businesses, commercial enterprises or as the result of community activities.

**Other Wastes** - Includes wastes such as special medical waste, asbestos and other non-hazardous materials.

**Solid Waste Acceptance Facility** – A landfill, incinerator, processing facility or transfer station having a Refuse Disposal Permit, which disposes, treats, or processes solid waste.

## Amount of Solid Waste Managed by Category

The information presented in this report provides a summary of how solid waste was managed during calendar year 2002.

**Table 1** represents the amount of solid waste in tons, by solid waste category, that was managed.

**Table 1**

| <b>Solid Waste Category</b>                          | <b>Tons Accepted for Disposal <sup>1</sup></b> | <b>Tons Recycled or Composted <sup>2</sup></b> | <b>Total Tons Managed</b> |
|------------------------------------------------------|------------------------------------------------|------------------------------------------------|---------------------------|
| <b>Construction &amp; Demolition Waste (C&amp;D)</b> | <b>1,464,631</b>                               | <b>1,810,837</b>                               | <b>3,275,468</b>          |
| <b>Industrial Waste</b>                              | <b>175,543</b>                                 | <b>129,169</b>                                 | <b>304,712</b>            |
| <b>Land Clearing Debris (LCD)</b>                    | <b>10,944</b>                                  | <b>33,282</b>                                  | <b>44,226</b>             |
| <b>Municipal Solid Waste (MSW)</b>                   | <b>4,663,141</b>                               | <b>2,056,110</b>                               | <b>6,719,251</b>          |
| <b>Other Wastes</b>                                  | <b>116,070</b>                                 | <b>528,959</b>                                 | <b>645,029</b>            |
| <b>Sub-total</b>                                     | <b>6,430,329</b>                               | <b>4,558,357</b>                               | <b>10,988,686</b>         |
| <b>Incinerator Ash</b>                               | <b>223,722</b>                                 | <b>270,564</b>                                 | <b>494,286</b>            |
| <b>TOTAL</b>                                         | <b>6,654,051</b>                               | <b>4,828,921</b>                               | <b>11,482,972</b>         |

1. Includes waste accepted at landfills and incinerators and waste accepted for transport by transfer stations and processing facilities for out-of-state disposal.

2. Does not include pozzolan reported as recycled since § 15-407 of the Environment Article, Annotated Code of Maryland exempts pozzolan as a solid waste.

Key elements for interpreting the data include:

- The tons reported as recycled or composted includes other materials in addition to those counted for the Maryland Recycling Act recycling rate (e.g. estimates of asphalt and concrete recycled in roadways as reported by the Maryland Department of Transportation and counties).
- Most recycling activities are performed at facilities that do not have a refuse disposal permit.
- **58.5%** (6,719,251 tons) of the solid waste managed in the State during calendar year 2002 was municipal solid waste.
- Tons of scrap tires and sewage sludge managed in the State are not a reporting requirement under § 9-204(m).

## Amount of Solid Waste Disposed in the State That is Generated Outside of the State And the Jurisdictions Where the Solid Waste Originated

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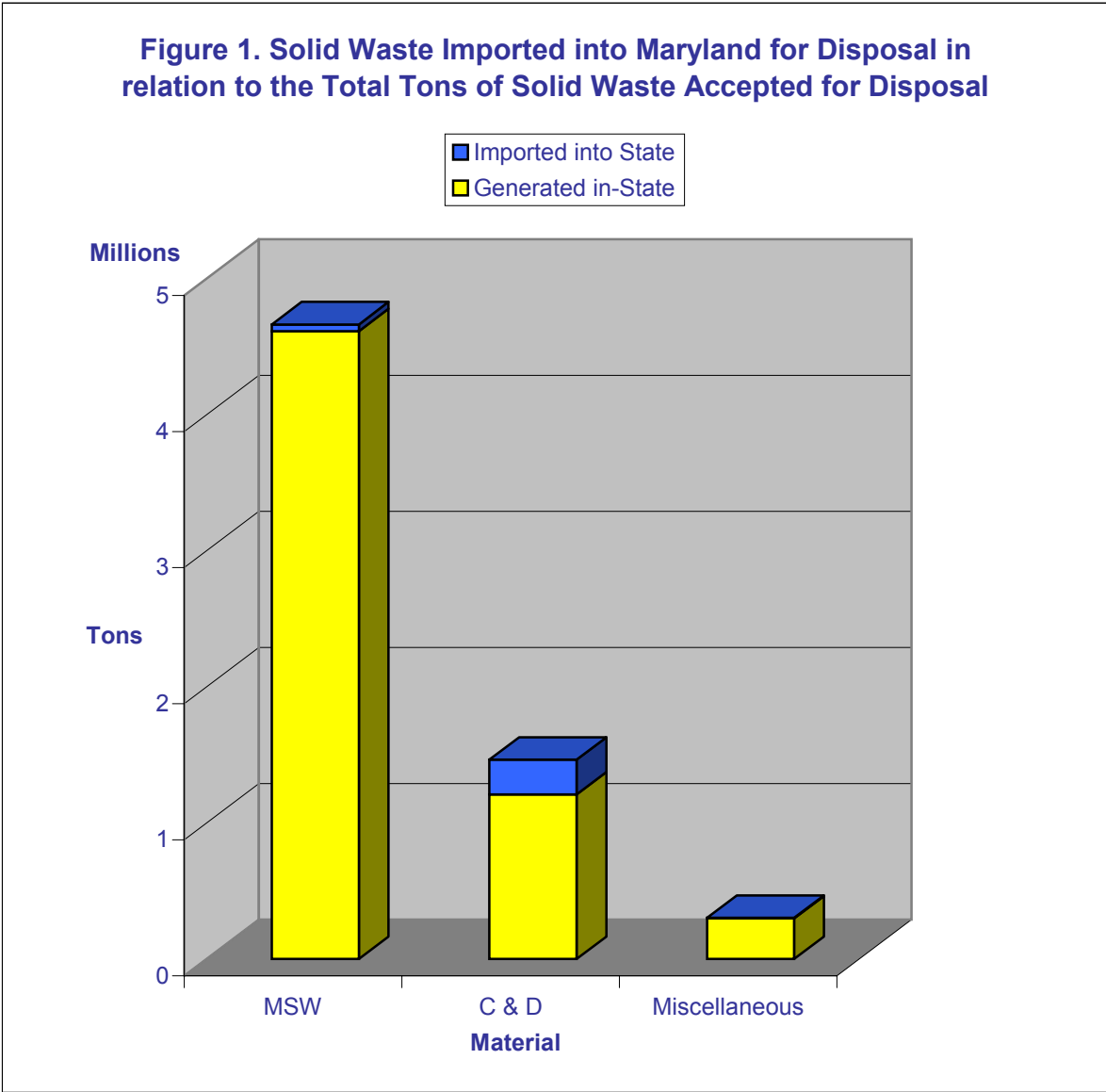
**Table 2** compares, by category of waste, the amount of waste in tons imported into Maryland for disposal to the amount of waste accepted for disposal at State permitted solid waste acceptance facilities. Waste generated outside of the State comes from California, (CA), Delaware (DE), Iowa (IA), New Jersey (NJ), New York (NY), Pennsylvania (PA), Rhode Island (RI), Virginia (VA), West Virginia (WV) and the District of Columbia (DC).

- The **Mountainview MSW** landfill in Allegany County is the only permitted municipal solid waste landfill that accepts solid waste from other states. This privately owned facility has a contractual agreement with Allegany County allowing it to accept "other than County" waste after meeting the terms of its contract with the County. The landfill is limited to a maximum tonnage of 125,000 tons per year.
- There were **five (5)** Construction & Demolition Debris Landfills operating during the year, **three (3)** of which accepted waste from out of the state.
- “**Miscellaneous**” includes Land Clearing Debris, Industrial, and Other Waste (e.g. special medical waste, asbestos) brought into Maryland for disposal.

**Table 2**

| <b>Solid Waste Category</b> | <b>Tons Imported into Maryland</b> | <b>Total Tons Accepted for Disposal</b> | <b>Source Jurisdiction</b>                    |
|-----------------------------|------------------------------------|-----------------------------------------|-----------------------------------------------|
| <b>MSW</b>                  | <b>49,455</b>                      | <b>4,663,141</b>                        | <b>DC, DE, NJ, NY, PA, VA, WV</b>             |
| <b>C&amp;D</b>              | <b>255,657</b>                     | <b>1,464,631</b>                        | <b>DC, DE, NJ, PA, VA, WV</b>                 |
| <b>Miscellaneous</b>        | <b>4,978</b>                       | <b>302,557</b>                          | <b>CA, DC, DE, IA, NJ, NY, PA, RI, VA, WV</b> |
| <b>TOTAL</b>                | <b>310,090</b>                     | <b>6,430,329</b>                        | <b>CA, DC, DE, IA, NJ, NY, PA, RI, VA, WV</b> |

**Figure 1** illustrates the comparison of the amount of waste in tons imported into Maryland for disposal to the amount of waste accepted for disposal at State permitted solid waste acceptance facilities. In Calendar Year 2002, the facilities accepted waste from California, Delaware, Iowa, New Jersey, New York, Pennsylvania, Rhode Island, Virginia, West Virginia and the District of Columbia.



## Amount of Solid Waste Generated In the State and Transported Out of the State For Disposal

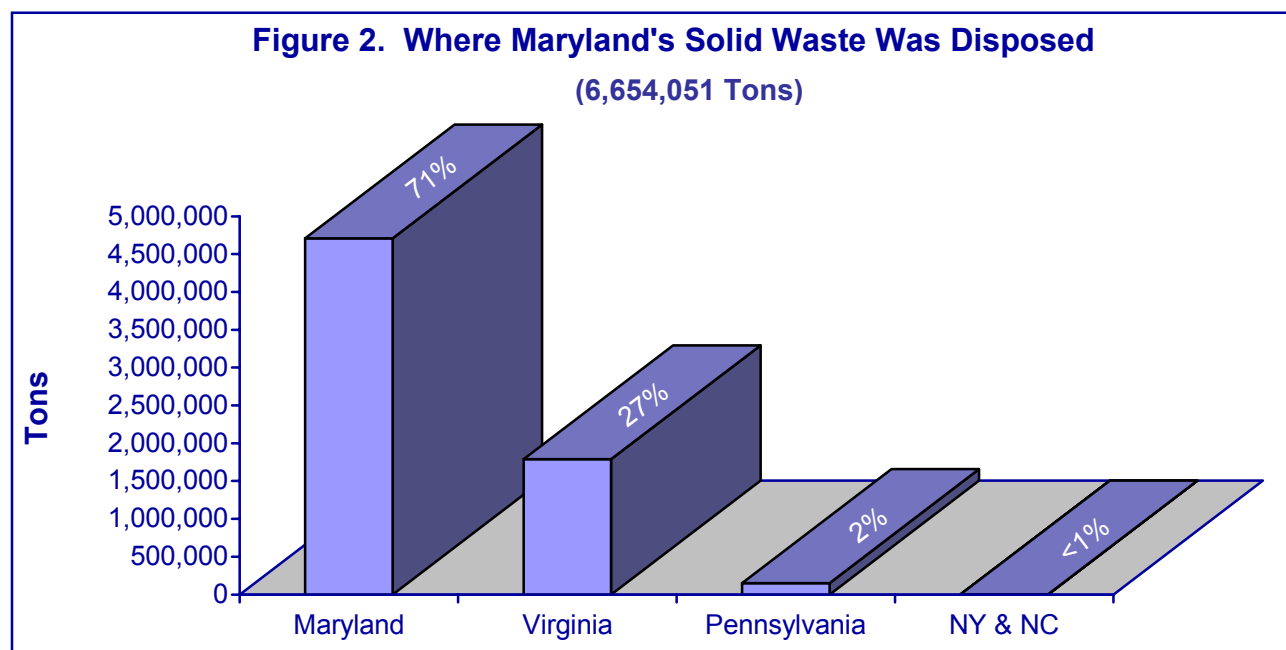
Twelve (12) of Maryland's 24 jurisdictions have contracted for the out-of-state disposal of their waste. These include: Anne Arundel, Baltimore, Baltimore City, Calvert, Carroll, Howard, Montgomery, Prince George's Counties, and the Midshore region consisting of Caroline, Kent, Queen Anne's and Talbot Counties. Additionally, St. Mary's County's waste is transported to Calvert County for out-of-state disposal.

**Table 3** represents the amount of solid waste transported from Maryland for disposal outside of the State. The **1,943,124 tons** of waste that was transported out of Maryland for disposal represents approximately **29%** of the total waste accepted for disposal at Maryland's permitted solid waste acceptance facilities (approximately 6.65 million tons total).

**Table 3**

| Solid Waste Category         | To VA            | To PA          | TO NY      | TO NC      | Total (tons)     |
|------------------------------|------------------|----------------|------------|------------|------------------|
| <b>MSW</b>                   | <b>1,401,745</b> | <b>143,091</b> | <b>0</b>   | <b>0</b>   | <b>1,544,836</b> |
| <b>Incinerator Ash</b>       | <b>176,890</b>   | <b>0</b>       | <b>266</b> | <b>0</b>   | <b>177,156</b>   |
| <b>C&amp;D</b>               | <b>210,879</b>   | <b>9,426</b>   | <b>0</b>   | <b>0</b>   | <b>220,305</b>   |
| <b>Special Medical Waste</b> | <b>85</b>        | <b>395</b>     | <b>0</b>   | <b>347</b> | <b>827</b>       |
| <b>Total (tons)</b>          | <b>1,789,599</b> | <b>152,912</b> | <b>266</b> | <b>347</b> | <b>1,943,124</b> |

**Figure 2** illustrates by percentage where Maryland's solid waste was disposed.



## Amount of Solid Waste Managed or Disposed in the State

**Table 4** summarizes how Maryland managed the solid waste that was received for disposal, recycling or composting during calendar year 2002.

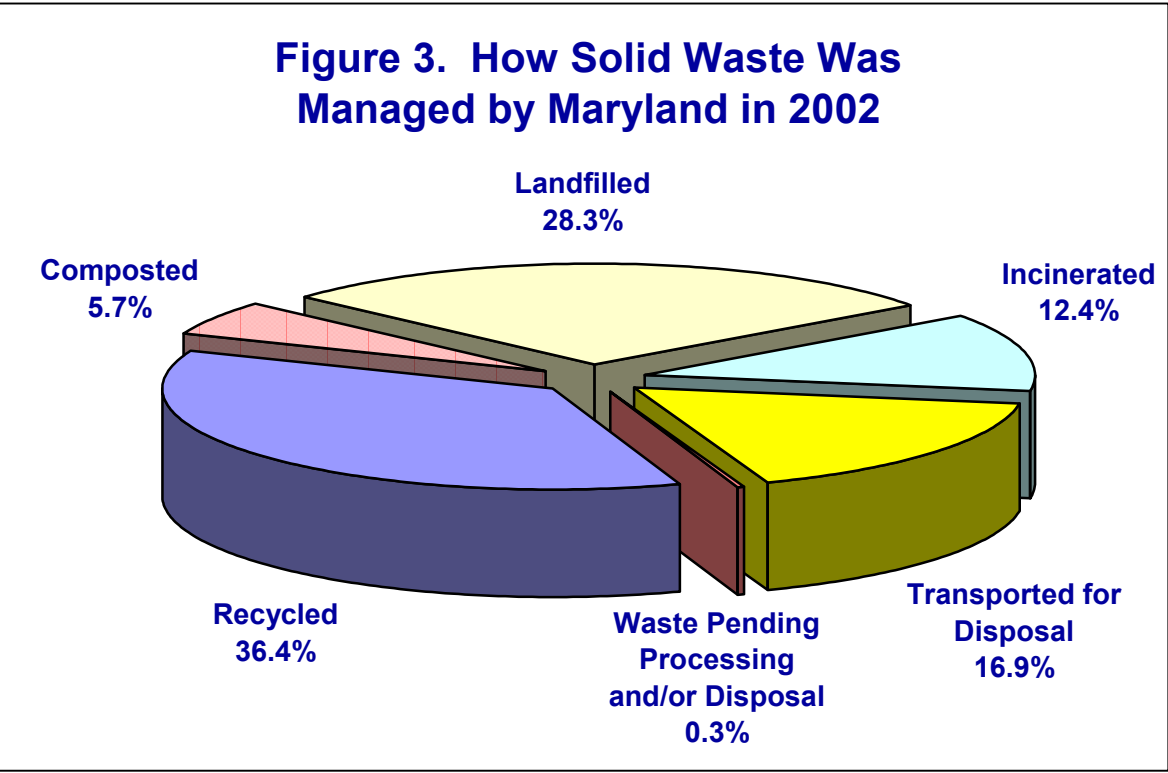
**Table 4**

| Waste Management Method                  | Tons              |
|------------------------------------------|-------------------|
| <b>Disposal</b>                          |                   |
| Landfilled                               | 3,245,840         |
| Incinerated                              | 1,425,915         |
| Transported out-of-state                 | 1,943,124         |
| Waste Pending Processing and/or Disposal | 39,172            |
| Sub-total                                | 6,654,051         |
| <b>Recycling/Composting</b>              |                   |
| Recycled                                 | 4,183,691         |
| Composted                                | 645,230           |
| Sub-total                                | 4,828,921         |
| <b>TOTAL</b>                             | <b>11,482,972</b> |

Key points for interpreting this table include:

- The category “Waste Pending Processing and/or Disposal” references **39,172 tons** of waste that was accepted by permitted solid waste acceptance facilities in Maryland that had not yet been managed by the end of calendar year 2002. This includes waste that has been stockpiled pending recyclable material removal or shredding, and materials that have been segregated for future use at the facility as temporary landfill cover.
- Tons of waste disposed by either landfilling or transport out of the state includes **223,722 tons** of ash that was generated by permitted waste-to-energy facilities and special medical waste incinerators (see page 4).
- Tons of waste disposed includes **310,090 tons** generated from out of state sources (see page 5).
- Tons reported as recycled or composted includes other materials not counted towards the Maryland Recycling Act recycling rate (e.g. estimates of asphalt and concrete recycled in roadways as reported by the Maryland Department of Transportation and counties). In calendar year 2002, the Maryland Recycling Act recycling rate was 37%, similar to 2001.

**Figure 3** illustrates by percentage Maryland’s integrated solid waste management system.



## APPENDIX A

### Active Permitted Solid Waste Acceptance Facilities In CY2002

#### **Municipal Solid Waste Landfills**

| <b>Jurisdiction</b> | <b>Site Name</b>              | <b>Ownership Type</b>          |
|---------------------|-------------------------------|--------------------------------|
| Allegany            | Mountainview                  | Private                        |
| Anne Arundel        | Millersville                  | County                         |
| Baltimore City      | Quarantine Road               | Municipal                      |
| Baltimore           | Eastern                       | County                         |
| Calvert             | Appeal                        | County                         |
| Carroll             | Northern                      | County                         |
| Cecil               | Central                       | County                         |
| Charles             | Charles Co. #2                | County                         |
| Dorchester          | Beulah                        | County                         |
| Frederick           | Fort Detrick<br>Site B        | Federal<br>County              |
| Garrett             | Garrett Co                    | County                         |
| Harford             | Harford Waste Disposal Center | County                         |
| Howard              | Alpha Ridge                   | County                         |
| Prince George's     | Brown Station Road            | County                         |
| St. Mary's          | St. Andrews                   | County                         |
| Somerset            | Somerset County               | County                         |
| Talbot              | Midshore                      | Maryland Environmental Service |
| Washington          | Forty West                    | County                         |
| Wicomico            | Newland Park                  | County                         |
| Worcester           | Central                       | County                         |

#### **Municipal Solid Waste-to-Energy Facilities (WTE) / Municipal Solid Waste Incinerators**

| <b>Jurisdiction</b> | <b>Site Name</b>                             | <b>Ownership Type</b>                                |
|---------------------|----------------------------------------------|------------------------------------------------------|
| Baltimore City      | Wheelabrator Baltimore, L.P. WTE             | Private                                              |
| Charles             | Naval Surface Warfare Center-Indian Head     | Federal                                              |
| Harford             | Waste Energy Partnership WTE                 | Private (now public in 2002)                         |
| Montgomery          | Montgomery County Resource Recovery Facility | County / Northeast Maryland Waste Disposal Authority |
| Somerset            | Smith Island MSW Incinerator                 | County                                               |

**APPENDIX A**  
**Active Permitted Solid Waste Acceptance Facilities**

**Municipal Solid Waste Transfer Stations**

| <b>Jurisdiction</b> | <b>Site Name</b>         | <b>Ownership Type</b>          |
|---------------------|--------------------------|--------------------------------|
| Anne Arundel        | Annapolis Junction       | Private                        |
| Baltimore City      | Northwest                | Municipal                      |
| Baltimore           | Eastern<br>Western       | County<br>County               |
| Calvert             | Appeal                   | Private                        |
| Carroll             | Northern                 | County                         |
| Cecil               | Stemmers Run<br>Woodlawn | County<br>County               |
| Montgomery          | Shady Grove              | County                         |
| Talbot              | Midshore                 | Maryland Environmental Service |
| Worcester           | Ocean City               | Municipal                      |

**Municipal Solid Waste Processing Facilities**

| <b>Jurisdiction</b> | <b>Site Name</b>                            | <b>Ownership Type</b> |
|---------------------|---------------------------------------------|-----------------------|
| Anne Arundel        | Curtis Creek Recovery Systems               | Private               |
| Baltimore City      | Baltimore Processing Facility               | Private               |
| Baltimore           | Baltimore County Resource Recovery Facility | County                |

**Construction & Demolition Landfills (Rubble Landfills)**

| <b>Jurisdiction</b> | <b>Site Name</b>                     | <b>Ownership Type</b> |
|---------------------|--------------------------------------|-----------------------|
| Baltimore           | Days Cove<br>Honeygo Run Reclamation | Private<br>Private    |
| Harford             | Oak Avenue                           | Private               |
| Prince George's     | Ritchie Land Reclamation             | Private               |
| Queen Anne's        | R.B. Baker & Sons                    | Private               |

**APPENDIX A**  
**Active Permitted Solid Waste Acceptance Facilities**

**Construction & Demolition Processing Facilities**

| <b>Jurisdiction</b> | <b>Site Name</b>             | <b>Ownership Type</b> |
|---------------------|------------------------------|-----------------------|
| Baltimore City      | Baltimore Environmental      | Private               |
| Baltimore           | ER & WR, LLC                 | Private               |
|                     | Recovermat Mid-Atlantic, LLC | Private               |
| Calvert             | Southern Maryland            | Private               |
| Carroll             | Roll Off Express             | Private               |
| Prince George's     | Sheriff Road                 | Private               |

**Land Clearing Debris Landfills**

| <b>Jurisdiction</b> | <b>Site Name</b> | <b>Ownership Type</b> |
|---------------------|------------------|-----------------------|
| Calvert             | Hance            | Private               |
|                     | Hill             | Private               |
|                     | M. T. Parran     | Private               |
| St. Mary's          | Knott            | Private               |

**Industrial Waste Landfills**

| <b>Jurisdiction</b> | <b>Site Name</b> | <b>Ownership Type</b> |
|---------------------|------------------|-----------------------|
| Baltimore City      | Millennium       | Private               |
| Frederick           | EASTALCO         | Private               |

**Special Medical Waste Incinerators**

| <b>Jurisdiction</b> | <b>Site Name</b>                             | <b>Ownership Type</b> |
|---------------------|----------------------------------------------|-----------------------|
| Baltimore City      | Baltimore Regional Medical Waste Incinerator | Private               |
|                     | Stericycle, Inc.                             | Private               |
|                     | University of Maryland @ Baltimore City      | State                 |
| Frederick           | Fort Detrick                                 | Federal               |
| Harford             | MRICD                                        | Federal               |
| Washington          | Washington County Hospital, Inc.             | Private               |

**Other Processing Facilities**

| <b>Jurisdiction</b> | <b>Site Name</b>                  | <b>Ownership Type</b> |
|---------------------|-----------------------------------|-----------------------|
| Baltimore City      | CS&D                              | Private               |
| Wicomico            | Peninsula Regional Medical Center | Private               |

## APPENDIX A

### Other Permitted Solid Waste Acceptance Facilities

| <b>Jurisdiction</b> | <b>Site Name</b>                       | <b>Facility Type</b>      | <b>Ownership Type</b>          | <b>Status</b>      |
|---------------------|----------------------------------------|---------------------------|--------------------------------|--------------------|
| Baltimore City      | Edison                                 | C&D Processing Facility   | Private                        | Under construction |
| Frederick           | Essroc CKD                             | Industrial Waste Landfill | Private                        | Under construction |
| Harford             | Gravel Hill                            | C&D Landfill              | Private                        | Not Built          |
| Howard              | Alpha Ridge TS                         | Transfer Station          | County                         | Under construction |
|                     | Ameriwaste                             | C&D Processing Facility   | Private                        | Not Built          |
| Montgomery          | Site 2                                 | MSW Landfill              | County                         | Not Built          |
| Prince George's     | Dower House Road                       | MSW Processing            | Maryland Environmental Service | Not Built          |
|                     | Kenilworth                             | C&D Processing Facility   | Private                        | Under construction |
| Washington          | Resh Road <sup>1</sup>                 | MSW Landfill              | County                         | Closed             |
|                     | Washington Co. Rubblefill <sup>2</sup> | C&D Landfill              | County                         | Closed             |

<sup>1</sup>Facility stopped operating in 2001 but permit remains active until 2005.

<sup>2</sup>Facility stopped operating in 2001 but permit remains active until 2004.

## APPENDIX B

### Economic Benefits Provided In 2002 to Host Communities Reported by Permitted Solid Waste Acceptance Facilities

This table provides additional information that was voluntarily reported by **18** permitted solid waste acceptance facilities in **14** political jurisdictions describing the economic benefits of the facilities to the host communities. While the economic benefits identified in the table are very significant, the information does not fully represent the total economic benefit to Maryland's communities that are provided by permitted solid waste acceptance facilities.

| <i><b>Jurisdiction</b></i>   | <i><b>Site Name</b></i>                                                                                       | <i><b>Economic Benefits To Community</b></i>                                                                                                                                                                                                     | <i><b>Value of Facilities Provided</b></i>                              | <i><b>Direct Employment Benefits</b></i><br>(Salaries / # of Employees)                                        | <i><b>Other Economic Benefits</b></i>                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <i><b>Allegany</b></i>       | <i><b>Mountainview MSWLF</b></i><br>(Privately Owned)                                                         | <i>Provides Allegany County residents and businesses an environmentally safe disposal site at reasonable rates.</i><br><br><i>Saves Allegany County the cost of owning and operating a landfill.</i>                                             | <i>Provides Allegany County with a site for recyclables collection.</i> | <i><b>\$370,000 / 8 full time employees</b></i>                                                                | <i><b>\$250,000</b> worth of purchases of supplies and materials from Allegany County businesses.</i> |
| <i><b>Anne Arundel</b></i>   | <i><b>Curtis Creek Recovery Systems, Inc. MSW Processing &amp; Transfer Facility</b></i><br>(Privately Owned) | <i>In CY 2002, paid a Host Fee of <b>\$1.35</b> per ton to Anne Arundel County.</i>                                                                                                                                                              |                                                                         |                                                                                                                |                                                                                                       |
| <i><b>Baltimore City</b></i> | <i><b>Baltimore Regional Medical Waste Incinerator</b></i><br>(Privately Owned)                               | <i><b>\$280,000</b> - Baltimore City Solid Waste Surcharge<br/><b>\$73,000</b> - Baltimore City Personal Property Tax<br/><b>\$49,500</b> - Baltimore City Real Estate Tax<br/><b>\$50,000</b> - Annual Baltimore City Health Department Fee</i> |                                                                         | <i><b>\$1,967,112 / 47 full time employees</b></i><br><br><i><b>\$2,821,500 / 20 contractual employees</b></i> |                                                                                                       |

**APPENDIX B**  
**Economic Benefits**

| <b>Jurisdiction</b>   | <b>Site Name</b>                                                                                             | <b>Economic Benefits To Community</b>                                                            | <b>Value of Facilities Provided</b>                                                                                                                           | <b>Direct Employment Benefits</b><br>(Salaries / # of Employees)                                                      | <b>Other Economic Benefits</b>                                                                                                           |
|-----------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Baltimore City</b> | <b>Certified Storage &amp; Disposal, Inc. Processing Facility</b><br>(Privately Owned)                       | Site is leased from the City of Baltimore and located in a designated Empowerment Zone.          |                                                                                                                                                               | <b>\$100,000 / 3 employees</b> including forklift operators, truck drivers and warehouse employees.                   | <b>\$12,000</b> per year in goods & services purchased from local community.<br><b>\$36,000</b> per year in rent paid to Baltimore City. |
| <b>Baltimore</b>      | <b>Days Cove Reclamation Company C&amp;D Landfill</b><br>(Privately Owned)                                   | Provides funding for the DNR Smuck Environmental Educational Center.                             |                                                                                                                                                               | <b>\$950,000 / 30 employees</b>                                                                                       |                                                                                                                                          |
| <b>Baltimore</b>      | <b>Environmental Recycling &amp; Waste Reduction Services, LLC. Processing Facility</b><br>(Privately Owned) | Over 80% of employees are from an enterprise zone.                                               | Provides recycling of wood waste saving landfill space.<br><br>Produces approx 15,000 cu. yds of mulch, 6,000 cu. yds of topsoil, & 15,000 tons of wood fuel. | <b>14 employees</b><br><br>Average annual salaries of <b>\$30,000</b> per year.                                       | Purchases of goods and services from the local community includes fuel, temporary labor, parts and repairs.                              |
| <b>Baltimore</b>      | <b>Honeygo Reclamation Center C&amp;D Landfill</b><br>(Privately Owned)                                      | In 2002, paid approximately <b>\$50,000</b> in taxes to Baltimore County.                        |                                                                                                                                                               | <b>\$400,000 / 11 full time employees</b><br><br>80% of workforce live within 20 miles of facility.                   | <b>\$3,800,000</b> annually to the community for the purchase of materials, goods and services.                                          |
| <b>Baltimore</b>      | <b>Recovermat Mid-Atlantic LLC. C&amp;D Processor</b><br>(Privately Owned)                                   | <b>\$38,055.82</b> paid in taxes to Baltimore County.<br><br>Has a priority for local residents. | Provides free disposal service for the Park Service.                                                                                                          | <b>12 - 18 employees</b><br><br>Jobs include laborers, equipment operators, mechanics, administrative & office staff. | <b>90%</b> of all purchases are made locally.<br><br><b>\$210,535.34</b> in the sale of recovered and recycled metals.                   |

**APPENDIX B**  
**Economic Benefits**

| <b>Jurisdiction</b> | <b>Site Name</b>                                                     | <b>Economic Benefits To Community</b>                                                                                                                                            | <b>Value of Facilities Provided</b>                                                                                            | <b>Direct Employment Benefits</b><br>(Salaries / # of Employees)                                                                                                                     | <b>Other Economic Benefits</b>                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Carroll</b>      | <b>Roll-Off Express, Inc. C&amp;D Processor</b><br>(Privately Owned) | <b>\$50,000</b> annually paid in real estate, personal property and sales taxes.                                                                                                 | Compliments local government's recycling programs - <b>\$3,810,007.30</b><br><br><b>\$2,000,000</b> Investment for facilities. | <b>\$304,840</b> annual salaries paid to <b>20 employees</b> including Equipment Operators, Drivers, and Laborers.                                                                   | <b>\$363,815</b> annually purchase of goods and services.<br><b>\$350,000</b> for equipment purchases.<br><b>\$1,500,000</b> estimated savings to taxpayers for a C&D recycling facility. |
| <b>Charles</b>      | <b>Charles County No. 2 MSWLF Landfill</b><br>(Publicly Owned)       | Complements County programs and provides a convenient disposal location for county residents and businesses.                                                                     |                                                                                                                                | Annual salaries in excess of <b>\$1,000,000 / 26 full time &amp; 10 part time employees.</b>                                                                                         | <b>\$1.4 million</b> annual operating budget with majority of money spent in Charles County.                                                                                              |
| <b>Dorchester</b>   | <b>Beulah MSWLF Landfill</b><br>(Publicly Owned)                     |                                                                                                                                                                                  |                                                                                                                                | <b>\$360,000 / 13 employees</b> Including a Superintendent, Engineer, Accountant, 5 Equipment Operators, & 5 Scale Attendants.                                                       |                                                                                                                                                                                           |
| <b>Frederick</b>    | <b>Reich's Ford – Site B MSWLF Landfill</b><br>(Publicly Owned)      | Only municipal waste disposal facility in county.<br><br>Provides free disposal of yard waste to county residents. Wood waste is processed into mulch, free to County residents. | Facility owned and operated by Frederick County for the waste disposal need of Frederick County residents.                     | <b>\$886,882 / 24 employees</b> 10 heavy equipment operators 3 laborers, 1 recycling coordinator, 4 weigh masters, 1 mechanic, 1 environmental technician, & 5 administrative staff. | <b>\$2,000,000</b> spent annually for contractual services.                                                                                                                               |

**APPENDIX B**  
**Economic Benefits**

| <b><i>Jurisdiction</i></b> | <b><i>Site Name</i></b>                                                                                     | <b><i>Economic Benefits To Community</i></b>                                                                                  | <b><i>Value of Facilities Provided</i></b>                                                                                                   | <b><i>Direct Employment Benefits</i></b><br><i>(Salaries / # of Employees)</i>                                                                                                                                                                        | <b><i>Other Economic Benefits</i></b>                                                                                                                                                    |
|----------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Harford</i></b>      | <b><i>Harford Waste Disposal Center MSWLF</i></b><br><i>(Publicly Owned)</i>                                | <i>Provides county residents with mulch and compost products free or at a reduced cost based on quantity.</i>                 | <i>Provides county residents with waste disposal services at a competitive cost.</i><br><br><i>Provides recycling services at "no cost."</i> | <b><i>\$1,422,500 / 37 full time employees</i></b><br><br><i>Jobs include management, clerical, equipment operators, mechanics, chauffeur/laborers, laborers, &amp; weigh-master / attendants involved in both landfill and recycling activities.</i> | <b><i>\$2,187,063 - Contractual Services</i></b><br><b><i>\$406,553 - Supplies &amp; Materials</i></b><br><b><i>\$93,050 - Capital Equipment</i></b>                                     |
| <b><i>Montgomery</i></b>   | <b><i>Montgomery County Solid Waste Transfer Station</i></b><br><i>(Publicly Owned)</i>                     | <i>Strategically located for easy access to accommodate residential, industrial and commercial use.</i>                       |                                                                                                                                              | <b><i>14 – full time</i></b><br><i>County employees.</i><br><b><i>55 – Contractor employees</i></b><br><i>(MES &amp; Covanta Montgomery, Inc.)</i><br><b><i>2 – Contractual MES employees.</i></b>                                                    |                                                                                                                                                                                          |
| <b><i>St. Mary's</i></b>   | <b><i>St. Andrew's MSWLF</i></b><br><i>(Publicly Owned)</i>                                                 | <i>Provides mulch made from yard and wood waste free to county residents.</i>                                                 | <i>Closed landfill site may be expanded to accommodate future landfill.</i>                                                                  | <b><i>\$671,919 / 21 employees</i></b><br><br><i>Includes a Manager, 4 Equipment Operators, 2 Scale House Operators, and 14 Attendants (full &amp; part time)</i>                                                                                     | <b><i>\$332,705 - County subsidy of Recycling &amp; Convenience Centers.</i></b><br><br><b><i>\$746,379 - County subsidy from General Fund for residential solid waste disposal.</i></b> |
| <b><i>Talbot</i></b>       | <b><i>Midshore Regional Solid Waste Transfer Station and MSWLF</i></b><br><i>(Private / Publicly Owned)</i> | <i>One regional solid waste acceptance facility serving the Midshore Counties of Caroline, Kent, Queen Anne's and Talbot.</i> |                                                                                                                                              | <b><i>14 – full time / 3-4 part time employees</i></b><br><br><i>Jobs include 2- Administrative, 2 - Management, 1- Environmental/Technical, 2-Mechanical, 5- Equipment Operators, 2- Laborers, &amp; 3-4 Part Time General Laborers.</i>             | <b><i>\$1.25 million</i></b> <i>spent annually in the community for the purchase of goods and services.</i>                                                                              |

| <b><i>Jurisdiction</i></b> | <b><i>Site Name</i></b>                                              | <b><i>Economic Benefits To Community</i></b>                                                                                     | <b><i>Value of Facilities Provided</i></b>                                                              | <b><i>Direct Employment Benefits</i></b><br><i>(Salaries/# of Employees)</i>                                                                                                                                                                                                                           | <b><i>Other Economic Benefits</i></b>                                                                                       |
|----------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b><i>Washington</i></b>   | <b><i>Forty West MSWLF</i></b><br><i>(Publicly Owned)</i>            | <i>Centrally located in County for easy access to accommodate residential, industrial and commercial use.</i>                    | <i>Facility owned and operated by Washington County for the waste disposal need of County residents</i> | <b><i>\$1,000,000 / 27 employees</i></b><br><i>Jobs include: Director, 2- Assistant Directors, 3 –Office Staff, 1 - Weighmaster / Inspector, 4 full time &amp; 3 part time Weigh Clerks, 8 - Equipment Operators, @ - Mechanics, 1 Recycling Coordinator, &amp; 4 Residential Drop-off Attendants.</i> | <b><i>\$4.0 million</i></b> <i>annual operating budget spent locally for the purchase of materials, goods and services.</i> |
| <b><i>Worcester</i></b>    | <b><i>Ocean City Transfer Station</i></b><br><i>(Publicly Owned)</i> | <i>Provides for the consolidation of waste collected in the Town of Ocean City for transport 26 miles to the County's MSWLF.</i> |                                                                                                         |                                                                                                                                                                                                                                                                                                        |                                                                                                                             |

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