



Department of the Environment

# ANNUAL ENFORCEMENT AND COMPLIANCE REPORT



## Fiscal Year 2014

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# TABLE OF CONTENTS

|   |           |
|---|-----------|
| <b>Section One – REPORT BASIS AND SUMMARY INFORMATION</b>                             | <b>3</b>  |
| Statutory Authority and Scope   | 4         |
| Organization of the Report  | 4         |
| MDE Executive Summary   | 5         |
| MDE Performance Measures – Executive Summary  | 6         |
| Enforcement Workforce   | 6         |
| Section 1-301(d) Penalty Summary  | 7         |
| MDE Performance Measures Historical Annual Summary FY 1998 – 2003                     | 8         |
| MDE Performance Measures Historical Annual Summary FY 2004 – 2009                     | 9         |
| MDE Performance Measures Historical Annual Summary FY 2010 – 2014                     | 10        |
| MDE Enforcement Actions Historical Annual Summary FY 1998 – 2014                      | 11        |
| MDE Penalties Historical Annual Summary Chart FY 1998 - 2014                          | 11        |
| MDE’s Enforcement and Compliance Process and Services to Permittees<br>and Businesses | 12        |
| The Enforcement and Compliance Process  | 12        |
| Enforcement Process Flow Chart  | 13        |
| Supplemental Environmental Projects (SEPs)  | 14        |
| Contacts or Consultations with Businesses   | 15        |
| Compliance Assistance   | 15        |
| Consultations with Businesses   | 15        |
| <b>Section Two - ADMINISTRATION DETAILS</b>   | <b>17</b> |
| Measuring Enforcement and Compliance  | 18        |
| Performance Measures Table Overview and Definitions                                   | 19        |
| Enforcement and Compliance Performance Measures Table Format                          | 23        |
| <b>Air and Radiation Management Administration (ARMA)</b>                             | <b>25</b> |
| ARMA Executive Summary  | 26        |
| ARMA Performance Measures   | 27        |
| Ambient Air Quality Control   | 28        |
| Air Quality Complaints  | 34        |
| Asbestos  | 38        |
| Radiation Machines  | 42        |
| Radioactive Materials Licensing and Compliance  | 48        |
| <b>Land Management Administration (LMA)</b>   | <b>53</b> |
| LMA Executive Summary   | 54        |
| LMA Performance Measures  | 55        |
| Land Restoration  | 56        |
| Hazardous Waste   | 58        |
| Lead Poisoning Prevention   | 62        |
| Oil Control - Aboveground Facilities  | 66        |
| Oil Control - Pollution Remediation Activities  | 70        |
| Oil Control - Underground Storage Tank Systems  | 74        |

|   |            |
|---|------------|
| Refuse Disposal   | 78         |
| Scrap Tires   | 82         |
| Sewage Sludge Utilization   | 86         |
| Animal Feeding Operations   | 90         |
| Natural Wood Waste Recycling  | 94         |
| Mining – Coal   | 98         |
| Mining – Non-Coal   | 102        |
| Oil and Gas Exploration and Production  | 106        |
| <b>Water Management Administration (WMA)</b>  | <b>111</b> |
| WMA Executive Summary   | 112        |
| WMA Performance Measures  | 114        |
| Discharges – Groundwater (Municipal and Industrial)                                 | 115        |
| Discharges – Surface Water (Municipal and Industrial) State/NPDES                   | 118        |
| Discharges – Pretreatment (Industrial)  | 122        |
| Stormwater Management and Erosion and Sediment Control for<br>Construction Activity | 126        |
| Water Supply Program  | 130        |
| Waterway Construction – Dam Safety  | 144        |
| Wetlands and Waterways – Non-Tidal and Floodplain                                   | 148        |
| Wetlands – Tidal  | 152        |
| <b>Office of Budget and Infrastructure Financing</b>                                | <b>157</b> |
| Water Supply and Sewerage Construction  | 158        |
| <b>Office of the Attorney General Environmental Crimes Unit (ECU)</b>               | <b>163</b> |
| ECU Executive Summary and Performance Measures                                      | 164        |
| <b>Section Three – APPENDICES</b>   | <b>171</b> |
| Appendix A: Organizational Charts   | 172        |
| Appendix B: List of Enforcement Areas Included in This Report                       | 177        |
| Appendix C: Environment Article Section 1-301(d)                                    | 178        |
| Appendix D: Legislation Enacted During 2014 Affecting Enforcement and<br>Penalties  | 180        |
| Appendix E: MDE Penalty Policy  | 182        |
| Appendix F: Environmental Audit Guidance  | 183        |
| Appendix G: Supplemental Environmental Projects                                     | 186        |
| Appendix H: Brownfield Master Inventory List – Active Sites                         | 191        |
| Appendix I: Brownfield Master Inventory List – Archive Sites                        | 209        |

**SECTION ONE**  
**REPORT BASIS AND SUMMARY**  
**INFORMATION**

# **ANNUAL ENFORCEMENT AND COMPLIANCE REPORT FISCAL YEAR 2014**

## **Statutory Authority and Scope**

Environment Article §1-301(d) enacted in 1997 (see Appendix C for full text) requires the Maryland Department of the Environment (MDE) to report annual performance results for specific regulatory programs and the penalty dollars collected and deposited into several funds. This report is intended to fulfill that statutory requirement. In addition to the required information, this report also includes MDE's other enforcement programs, additional information about each program, and additional data about the activities and facilities that are subject to regulation under the Environment Article.

## **Organization of the Report**

Section One includes an overall, Department-wide summary of the FY 2014 results. A table in Section One compares the historical annual Department-wide performance measures from FY 1998 – 2014. Two graphs also illustrate trends for enforcement actions and penalties obtained for these years.

Section Two presents program-specific information concerning enforcement and compliance activities for the reported programs. Related materials appear as appendices in Section Three.

## EXECUTIVE SUMMARY

The Maryland Department of the Environment's (MDE's) eighteenth Enforcement and Compliance Report, for Fiscal Year 2014 (July 2013-June 2014), reports data from MDE's enforcement and compliance programs and from the Environmental Crimes Unit of the Office of the Attorney General. This document has been prepared in accordance with the requirements of §1-301(d) of the Environment Article.

Maintaining a consistent baseline of enforcement is necessary to ensure compliance with state laws, regulations, and permits that protect public health and the environment. MDE is committed to taking timely actions for violations, and the "MDEStat" data-driven management oversight process tracks enforcement activity. MDE routinely shares information with the public about enforcement activities to maximize the deterrence value of each enforcement action.

During FY 2014, MDE provided regulatory oversight for 160,332 regulated entities in 31 different enforcement areas. This is essentially unchanged from last year. MDE inspected over 42,000 sites, which is 7.5% more sites in FY 2014 than in FY 2013, and performed over 126,000 inspections, audits, and spot checks, which is a 6.3% increase from FY 2013. Much of this increase is due to changes in the number of third-party inspections in the Lead Poisoning Prevention Program and new requirements in the Radiological Health Program that resulted in a significant increase in audits. The number of enforcement actions decreased by 5.7% from FY 2013.

This year, penalties collected from environmental violators totaled \$3,620,272. This is a decrease from last year's total of \$5,878,392 and is almost the same as the FY 2012 total. Last year there were two large settlements in the Water Management Administration. Large changes in penalties collected often reflect the presence or absence of large settlements during the year.

Resource constraints continue to limit the Department's enforcement capabilities. MDE has responded to this ongoing situation by prioritizing enforcement activities based on risks to public health and the environment. These constraints have also affected the legal resources available to MDE from the Office of the Attorney General, which continues to experience an enforcement backlog despite concerted efforts at backlog reduction through expedited case processing and modifications in MDE's enforcement approach. As of September 2014, 101 cases remained on in the OAG backlog, down from 132 cases the previous year.

Please refer to MDE's website (<http://www.mde.maryland.gov>) for the latest information on enforcement actions and other compliance activities.

# MDE PERFORMANCE MEASURES EXECUTIVE SUMMARY

|   | 2013 Totals      | 2014 Totals         |
|---|------------------|---------------------|
| <u>PERMITTED SITES/FACILITIES</u>                       |                  |                     |
| Number of Permits/Licenses Issued                       | 8,405            | 8,708               |
| Number of Permits/Licenses in Effect at Fiscal Year End | 92,537           | 78,588*             |
| <u>OTHER REGULATED SITES/FACILITIES</u>                 |                  |                     |
| Total Sites   | 160,223          | 160,332             |
| <u>INSPECTIONS</u>                                      |                  |                     |
| Number of Sites Inspected                               | 39,458           | 42,414              |
| Number of Sites Audited But Not Inspected               | 7,568            | 7,911               |
| Number of Inspections, Audits, Spot Checks              | 118,836          | 126,337             |
| <u>ENFORCEMENT ACTIONS</u>                              |                  |                     |
| Number of Compliance Assistance Rendered                | 18,200           | 20,536              |
| Number of Enforcement Actions Taken                     | 2,280            | 2,151               |
| <u>PENALTIES</u>  |                  |                     |
| Amount of Administrative or Civil Penalties Obtained    | \$5,878,392      | \$3,620,272         |
| Supplemental Environmental Projects                     | 4<br>(\$140,000) | 12<br>(\$1,163,250) |

\*Water Management Compliance undertook an extensive review of their permit data for erosion and sediment control and wetlands and was able to eliminate many older permits that are no longer active.

## ENFORCEMENT WORKFORCE

|               | Compensation*       |                     | Workforce    |              |                  |              |
|---------------|---------------------|---------------------|--------------|--------------|------------------|--------------|
|               |                     |                     | Inspectors** |              | FTE Vacancies*** |              |
|               | FY 2013             | FY 2014             | FY 2013      | FY 2014      | FY 2013          | FY 2014      |
| Air/Radiation | \$3,885,895         | \$3,152,109         | 48.0         | 40.0****     | 2.0              | 1.0          |
| Land          | \$4,546,160         | \$4,389,830         | 68.0         | 69.0         | 7.2              | 10.6         |
| Water         | \$3,410,947         | \$3,564,637         | 44.6         | 44.0         | 3.0              | 5.85         |
| <b>Total</b>  | <b>\$11,843,002</b> | <b>\$11,106,576</b> | <b>160.6</b> | <b>153.0</b> | <b>12.2</b>      | <b>17.45</b> |

\* "Compensation" includes wages plus fringe benefits. The numbers do not include any operating expenses such as vehicles, travel, gasoline, supplies, or other related employment expenses.

\*\* "Inspectors" represent the number of enforcement field inspectors budgeted for the fiscal year. These numbers do not include any administrative, management, or clerical staff associated with enforcement and compliance programs. This represents total budgeted positions, not the actual number of inspectors currently on staff.

\*\*\* "FTE (full-time equivalent) vacancies" represent the number of full-time-equivalent positions that were vacant during the fiscal year.

\*\*\*\* This number reflects an adjustment in how employees are classified for this report.

## SECTION 1-301(d) PENALTY SUMMARY

| TOTAL AMOUNT OF MONEY<br>DEPOSITED AS A RESULT OF<br>ENFORCEMENT ACTIONS AS<br>REQUIRED BY SECTION<br>1-301(d)* | FY 2013            | FY 2014            |
|---|--------------------|--------------------|
| <b>Clean Air Fund (includes Air Quality<br/>and Asbestos)</b>   | \$366,182          | \$327,333          |
| <b>Clean Water Fund (includes Water<br/>and Land Management)</b>  | \$4,569,427        | \$1,836,710        |
| <b>Hazardous Substance Control Fund</b>   | \$41,800           | \$54,650           |
| <b>Non-tidal Wetland Compensation<br/>Fund</b>  | \$36,527           | \$293,290          |
| <b>Oil Disaster Containment Clean Up<br/>and Contingency Fund</b>   | \$278,175          | \$257,813          |
| <b>Recovered from Responsible Parties<br/>(under §7-221)**</b>  | \$146,643          | \$109,616          |
| <b>Sewage Sludge Utilization Fund<br/>(This fund is now included in the<br/>Clean Water Fund)</b>               | 0                  | 0                  |
| <b>Total</b>  | <b>\$5,438,754</b> | <b>\$2,879,412</b> |

\* Includes **only** those funds **required** to be reported by the Environment Article, Section 1-301(d). Other penalties are reported by individual programs that total a higher amount since they are deposited into funds not required to be reported by 1-301(d). The Department total is \$3,620,272.

\*\* The number reported is strictly the total amount of money, as a result of enforcement, recovered by the Department from responsible parties in accordance with §7-221 of the Environment Article as called for in the statute.

Please note this reflects penalties collected during the fiscal year, not penalties assessed.

# MDE PERFORMANCE MEASURES ANNUAL SUMMARY

## FY 1998 - 2003

| MDE Performance Measure                                 | 1998      | 1999      | 2000      | 2001      | 2002      | 2003      |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>PERMITTED SITES/FACILITIES</b>                       |           |           |           |           |           |           |
| Number of Permits/Licenses Issued                       | 8,972     | 8,350     | 9,710     | 9,573     | 9,671     | 11,988    |
| Number of Permits/Licenses in Effect at Fiscal Year End | 54,668    | 56,024    | 57,253    | 62,679    | 62,882    | 69,831    |
| <b>OTHER REGULATED SITES/FACILITIES</b>                 |           |           |           |           |           |           |
| Other Sites   | 89,863    | 95,892    | 100,244   | 105,085   | 191,177   | 197,529   |
| <b>INSPECTIONS *</b>                                    |           |           |           |           |           |           |
| Number of Sites Inspected                               | 31,026    | 30,352    | 28,626    | 39,050    | 37,850    | 33,048    |
| Number of Inspections, Audits, Spot Checks              | 81,372    | 83,899    | 90,488    | 103,782   | 108,043   | 98,550    |
| <b>ENFORCEMENT ACTIONS</b>                              |           |           |           |           |           |           |
| Number of Compliance Assistance Actions Rendered        | 15,837    | 14,709    | 15,831    | 15,032    | 16,523    | 14,120    |
| Number of Enforcement Actions Taken                     | 1,134     | 1,391     | 977       | 1,542     | 1,541     | 2,311     |
| <b>PENALTIES</b>  |           |           |           |           |           |           |
| Amount of Penalties Obtained (\$)**                     | 1,145,731 | 1,206,629 | 2,093,526 | 1,334,499 | 1,523,890 | 2,321,563 |

\* Inspections:

Number of Sites Inspected: The number of individual sites physically visited and inspected for compliance.

Number of Inspections, Audits, Spot Checks: The total numbers of sites evaluated for compliance, including on-site inspections, record reviews, audits, and spot-check activities.

Each individual site can be inspected by several programs or by one program more than once, so the former is always less than the latter.

\*\* Amount of Penalties Obtained: The total dollar amount of penalty revenue collected during the fiscal year. Note that penalties can be collected in the fiscal year after the violation for which they are assessed. This reflects the amount of revenue obtained ("collected") in the fiscal year as a result of all enforcement actions regardless of which fund they are deposited into.

# MDE PERFORMANCE MEASURES ANNUAL SUMMARY

## FY 2004 - 2009

| MDE Performance Measure                                 | 2004      | 2005      | 2006      | 2007      | 2008      | 2009      |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>PERMITTED SITES/FACILITIES</b>                       |           |           |           |           |           |           |
| Number of Permits/Licenses Issued                       | 11,264    | 10,799    | 10,737    | 10,455    | 11,463    | 10,043    |
| Number of Permits/Licenses in Effect at Fiscal Year End | 75,729    | 73,155    | 77,721    | 77,041    | 100,206   | 92,960    |
| <b>OTHER REGULATED SITES/FACILITIES</b>                 |           |           |           |           |           |           |
| Other Sites   | 204,873   | 222,673   | 239,612   | 253,715   | 257,744   | 117,421   |
| <b>INSPECTIONS *</b>                                    |           |           |           |           |           |           |
| Number of Sites Inspected                               | 43,434    | 43,722    | 55,294    | 47,723    | 44,161    | 44,587    |
| Number of Inspections, Audits, Spot Checks              | 106,845   | 103,586   | 115,977   | 107,496   | 122,389   | 122,079   |
| <b>ENFORCEMENT ACTIONS</b>                              |           |           |           |           |           |           |
| Number of Compliance Assistance Actions Rendered        | 18,646    | 10,953    | 11,067    | 10,158    | 11,443    | 14,412    |
| Number of Enforcement Actions Taken                     | 1,856     | 1,395     | 1,946     | 2,004**   | 2,704**   | 2,901     |
| <b>PENALTIES</b>  |           |           |           |           |           |           |
| Amount of Penalties Obtained (\$)**                     | 1,781,526 | 1,631,054 | 2,803,685 | 2,248,131 | 3,970,275 | 6,516,601 |

\* Inspections:

Number of Sites Inspected: The number of individual sites physically visited and inspected for compliance.

Number of Inspections, Audits, Spot Checks: The total numbers of sites evaluated for compliance, including on-site inspections, record reviews, audits, and spot-check activities.

Each individual site can be inspected by several programs or by one program more than once, so the former is always less than the latter.

\*\* These two numbers were corrected; they were previously reported as 2,011 and 2,699 respectively.

\*\*\* Amount of Penalties Obtained: The total dollar amount of penalty revenue collected during the fiscal year. Note that penalties can be collected in the fiscal year after the violation for which they are assessed. This reflects the amount of revenue obtained ("collected") in the fiscal year as a result of all enforcement actions regardless of which fund they are deposited into.

# MDE PERFORMANCE MEASURES ANNUAL SUMMARY

## FY 2010 - 2014

| MDE Performance Measure                                 | 2010      | 2011      | 2012      | 2013      | 2014      |
|---|-----------|-----------|-----------|-----------|-----------|
| <b>PERMITTED SITES/FACILITIES</b>                       |           |           |           |           |           |
| Number of Permits/Licenses Issued                       | 8,982     | 9,089     | 8,369     | 8,405     | 8,708     |
| Number of Permits/Licenses in Effect at Fiscal Year End | 93,323    | 92,195    | 92,271    | 92,537    | 78,588    |
| <b>OTHER REGULATED SITES/FACILITIES</b>                 |           |           |           |           |           |
| Other Sites   | 158,112   | 158,058   | 158,161   | 160,223   | 160,332   |
| <b>INSPECTIONS *</b>                                    |           |           |           |           |           |
| Number of Sites Inspected                               | 45,332    | 52,561    | 43,448    | 39,458    | 42,414    |
| Number of Inspections, Audits, Spot Checks              | 124,045   | 129,213   | 122,046   | 118,836   | 126,337   |
| <b>ENFORCEMENT ACTIONS</b>                              |           |           |           |           |           |
| Number of Compliance Assistance Actions Rendered        | 21,352    | 21,323    | 21,121    | 18,200    | 20,536    |
| Number of Enforcement Actions Taken                     | 3,099     | 2,564     | 2,655     | 2,280     | 2,151     |
| <b>PENALTIES</b>  |           |           |           |           |           |
| Amount of Penalties Obtained (\$) **                    | 5,099,340 | 3,486,141 | 3,622,330 | 5,878,392 | 3,620,272 |

\* Inspections:

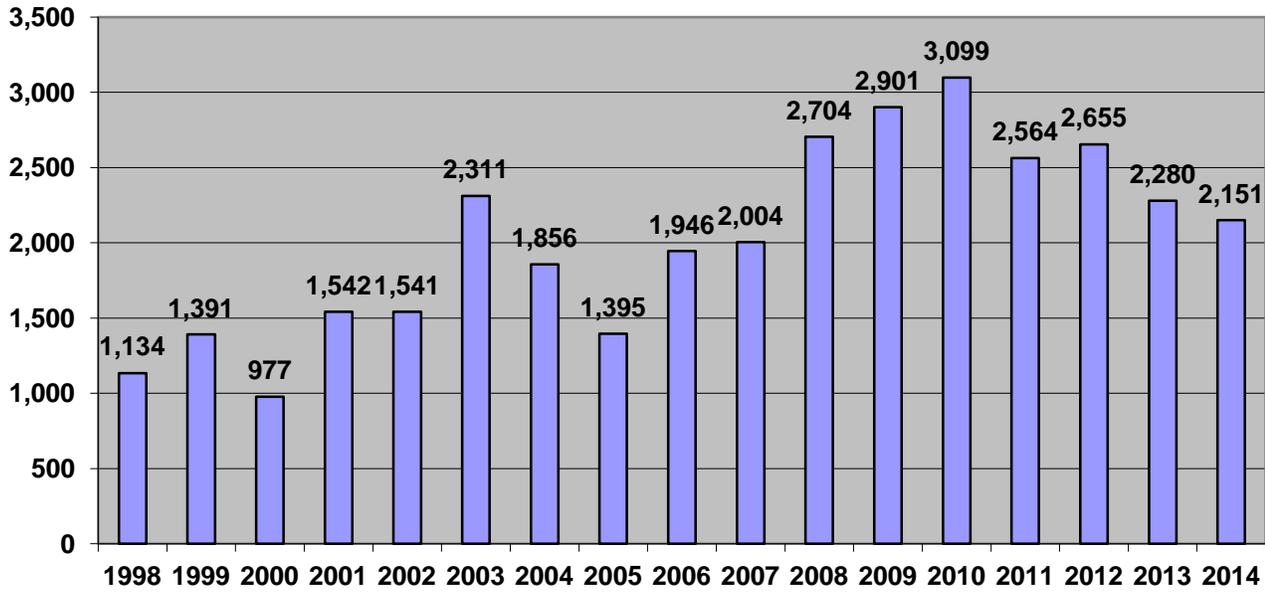
Number of Sites Inspected: The number of individual sites physically visited and inspected for compliance.

Number of Inspections, Audits, Spot Checks: The total numbers of sites evaluated for compliance, including on-site inspections, record reviews, audits, and spot-check activities.

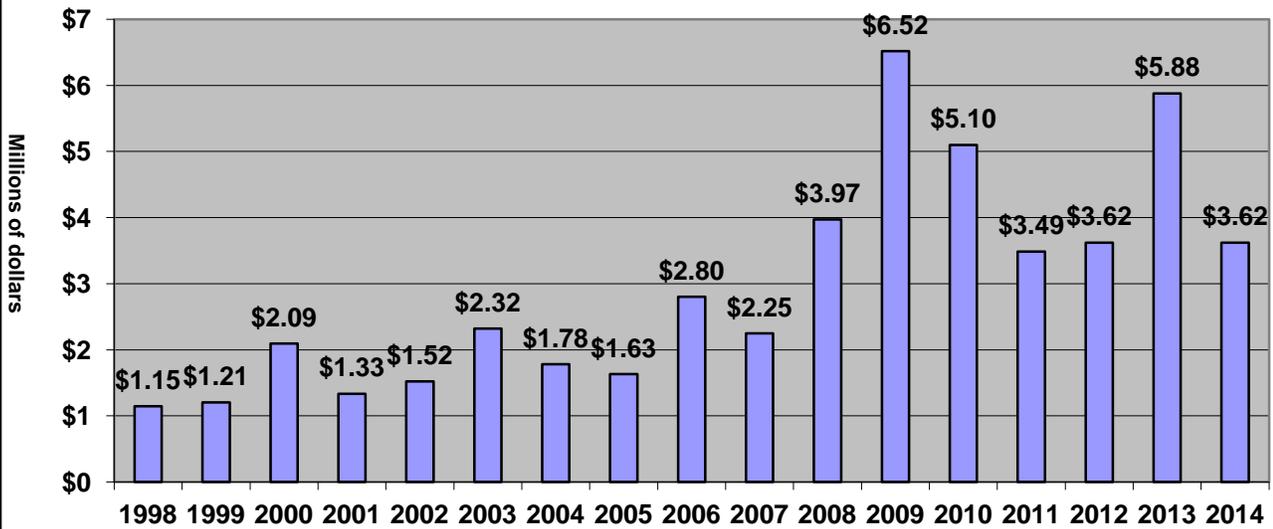
Each individual site can be inspected by several programs or by one program more than once, so the former is always less than the latter.

\*\* Amount of Penalties Obtained: The total dollar amount of penalty revenue collected during the fiscal year. Note that penalties can be collected in the fiscal year after the violation for which they are assessed. This reflects the amount of revenue obtained ("collected") in the fiscal year as a result of all enforcement actions regardless of which fund they are deposited into.

### MDE Enforcement Actions Taken 1998-2014



### MDE Penalty Amounts (\$) Collected 1998-2014



# **MDE'S ENFORCEMENT AND COMPLIANCE PROCESS and SERVICES TO PERMITTEES AND BUSINESSES**

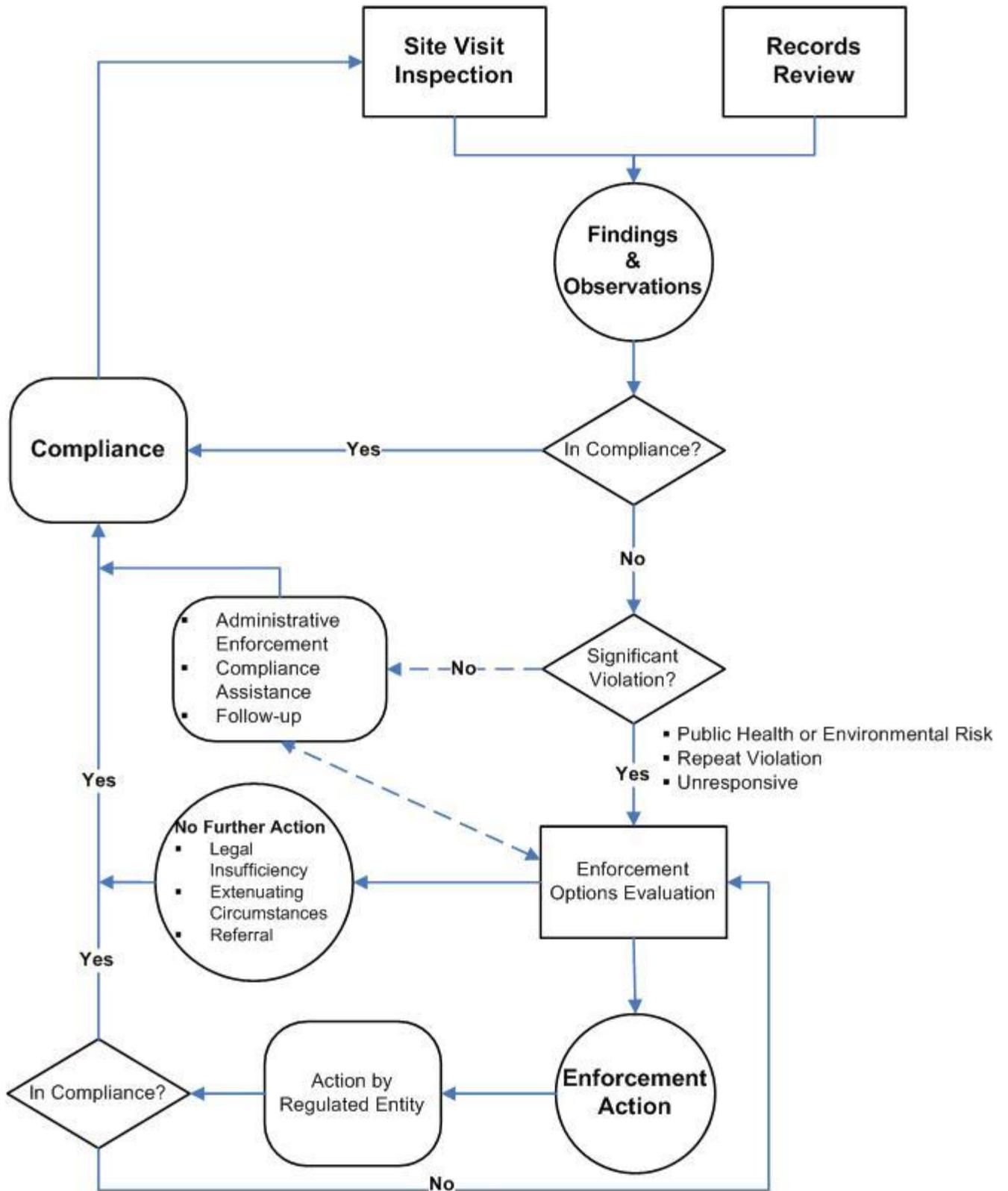
## **The Enforcement and Compliance Process**

MDE's air, water and land enforcement and compliance processes are authorized in different parts of the law and were established separately over a period of years. As a result, similar terminology may have technically different meanings for different programs. Despite technical differences, most enforcement programs share certain common functions that allow a year-to-year comparison. Most programs have inspection, monitoring, evaluation, and enforcement components.

Many programs also implement federal rules and regulations in addition to State requirements. In addition, the same individual, company, or facility may fall under the jurisdiction of several different environmental enforcement programs at the federal, state or local level.

If a minor violation such as a record-keeping or reporting error is discovered, a program may use discretion to allow the violator to correct the problem without imposing a penalty. In such cases, compliance assistance may be the most efficient method to achieve compliance with such requirements. Compliance assistance is a process that does not involve the use of a formal enforcement action and is explained in more detail on page 15. If an inspection reveals a significant violation, or if minor violations continue to recur and become a significant problem, then more serious legal actions are warranted. Such action may take the form of penalties, corrective orders, the filing of injunctions, and in some cases, criminal sanctions.

# MDE ENFORCEMENT PROCESS



## **Supplemental Environmental Projects (SEPs)**

MDE's approach to enforcement includes the use of Supplemental Environmental Projects (SEPs). SEPs are projects specifically undertaken to improve the environment by parties who are subject to penalty actions. Under certain limited circumstances, the value of the SEP is allowed by MDE to offset a portion of the penalty.

The federal Environmental Protection Agency encourages the use of SEPs for several reasons. First, SEPs add value to enforcement settlements because SEP dollars are spent directly on environmental projects. Second, SEPs require violators to go above and beyond technical compliance with minimum legal standards and thereby reach a higher level of environmental stewardship. Finally, and probably most importantly, SEPs are intended to achieve improvements to the environment that could not be accomplished with traditional penalties. Traditional penalties serve to punish current violations and deter future violations. SEPs accomplish those traditional purposes and provide a form of community service that improves the environment where the violation occurred.

MDE entered into twelve SEPs during FY 2014 with a total value of \$1,163,250. These SEPs were in the Air and Radiation Management Administration, the Land Management Administration, and the Water Management Administration and involved the replacement of lead-contaminated windows, the installation of energy-efficient lighting, and stormwater management improvements.

| Administration                              | Number of SEPs |           | Total Value of SEPs |                    |
|---|----------------|-----------|---------------------|--------------------|
|   | 2013           | 2014      | 2013                | 2014               |
| Air and Radiation Management Administration | 1              | 1         | \$60,000            | \$31,500           |
| Land Management Administration              | 2              | 9         | \$20,000            | \$1,038,000        |
| Water Management Administration             | 1              | 2         | \$60,000            | \$93,750           |
| <b>TOTALS</b>                               | <b>4</b>       | <b>12</b> | <b>\$140,000</b>    | <b>\$1,163,250</b> |

Details about these SEPs can be found in Appendix G.

## **Contacts or Consultations with Businesses**

Environment Article section 1-301(d) requires this report to “*include information on the type and number of contacts or consultations with businesses concerning compliance with State environmental laws.*” This section identifies the two types of contacts MDE has with businesses to help them come into compliance: compliance assistance and other consultations.

### **Compliance Assistance**

One specific form of contact between businesses and MDE’s enforcement and compliance inspectors is counted in the programs’ performance measures tables under the category of “*compliance assistance.*” As an element of MDE’s enforcement process, an inspector renders a tangible act of compliance assistance when the inspector:

- (a) Documents a specific past or current violation which the regulated entity corrects in the absence of a formal enforcement action; or
- (b) Documents a specific action or actions which the regulated entity has the option of undertaking to prevent the likelihood of potential future violations, which action or actions the regulated entity undertakes voluntarily in such manner and within such time period as deemed acceptable by MDE in the absence of a formal enforcement action.

For either (a) or (b), the MDE inspector must document the manner in which the regulated entity voluntarily achieved compliance. This definition of “compliance assistance” requires the action to be measurable, and objectively verifiable by a third party. This documents MDE’s activities to keep facilities in compliance without the use of formal enforcement actions.

### **Consultations with Businesses**

MDE provides other forms of compliance information to businesses and other regulated entities. These include making guidance documents available, providing forms, and publishing information about new or updated requirements on MDE’s website. MDE also works with businesses before they apply for permits to explain what permits will be required for a proposed activity and the application process for the required permits. Possible compliance requirements such as sampling, reporting, and record-keeping may also be explained.

The Department’s website (<http://www.mde.maryland.gov>) provides additional information that businesses may use to determine compliance with environmental requirements:

- The Guide to Environmental Permits and Approvals provides detailed information about each of MDE’s permit programs.

- MDE has made a number of permit applications and instructions for completion available online. MDE is also working to enable businesses to submit their permit applications via the Internet.
- MDE has created an Enforcement Webpage where you can find information concerning enforcement programs and current enforcement actions  
<http://www.mde.maryland.gov/AboutMDE/DepartmentalReports/Pages/AboutMDE/enfcomp.aspx>

**SECTION TWO**  
**ADMINISTRATION DETAILS**

# MEASURING ENFORCEMENT AND COMPLIANCE

MDE has been measuring, in a consistent fashion, the performance of its enforcement and compliance activities since 1998. This report standardizes the accomplishments of enforcement and compliance programs using metrics for the 31 enforcement areas that are the subject of this report.

Enforcement actions are taken by MDE's three media administrations:

**Air:** This includes air pollution and radiation programs.

**Land:** This includes oil control, solid and hazardous waste management, sewage sludge utilization, animal feeding operations, scrap tire recycling, lead poisoning prevention, natural wood waste recycling, coal and mineral mining, oil and gas exploration and production, and hazardous substance clean-up programs.

**Water:** This includes drinking water, tidal and non-tidal wetlands, wastewater discharges, water appropriation, waterway and floodplain construction, dam safety, stormwater management and sediment and erosion control programs.

## **Organization of Section Two**

This section is divided by administration and by enforcement area/program. First, an overall administration executive summary describes the enforcement and compliance efforts during this fiscal year, followed by key performance measures for that administration. Next, the sections for each enforcement area/program include the purpose of the program, its underlying authority, its enforcement process, summary of the program's successes/challenges, the performance measures table, and three charts comparing the past three fiscal years' data on inspection coverage; number of inspections, audits, and spot checks; and number of enforcement actions.

## **PERFORMANCE MEASURES TABLE**

This key table presents an accounting of each program's activity. Definitions of each measure appear below. An example of the table with the lines numbered to correspond to the following definitions follows this list of definitions.

1. *Permitted Sites/Facilities and Other Regulated Sites/Facilities: These are measures of the MDE or Program workload.*

Lines 2, 3, and 5-8: Identify the total universe of facilities over which the program has regulatory responsibility.

Line 2: Shows the number of new permits or permit renewals issued during the year.

Line 3: Shows the total number of permits that were in effect at fiscal year end.

Lines 5-8: Used by those programs that have regulatory responsibility for sites, facilities, and other entities that are not required to obtain a formal permit, but still fall under MDE's regulatory oversight.

9. *Inspections and Audits: This is a measure of output.*

Lines 10-12: Present numbers of sites evaluated for compliance. Inspections are defined as physical visits to the site to determine compliance, whether the visit involves walking around the site or a record review at the site. An audit is a review of records or self-monitoring reports performed off-site at MDE offices. These measures are reported separately to illustrate that many important regulatory oversight activities occur off-site.

Lines 13-15: Present numbers of inspections, audits and spot checks performed. The number of inspections is often substantially higher than the number of sites (comparing lines 12 and 15) because some sites are inspected more than one time during the year, depending on the degree of risk that regulated entity poses to the public. Also, some individual sites are sufficiently large or diverse to warrant having different portions of the site, or different pieces of equipment, inspected separately.

16. *Compliance Profile: This is a measure of the results accomplished.*

Lines 17-19: The Compliance Profile is a snapshot of the overall compliance status of the facilities inspected during the fiscal year.

Line 17: Identifies how many of the inspected sites were found with significant violations, providing a key element used to determine the inspection compliance rate (percentage) shown on line 18. If a site was found

to have a significant violation, it was counted as being out of compliance, even if the site was brought back into compliance later in the year.

Line 18: The percentage of inspected sites with significant violations. Line 17 divided by Line 10 times 100.

Line 19: The enforcement “inspection coverage rate” measure. The “inspection coverage rate” is defined as the ratio of sites inspected divided by the total number of sites or regulated entities in that program’s universe. “Sites” may include other than a single physical location since many programs have regulatory oversight responsibility for things other than facilities.

20. *Significant Violations: This is a measure of what was found.*

Lines 21 – 24 record the total number and nature of the significant violations the program identified during the fiscal year. The specific definition of what constitutes a **significant** violation is determined by individual programs that have unique statutory and regulatory threshold requirements. MDE’s general definition of a significant violation is any violation that requires MDE to take some form of remedial or enforcement action to bring the facility into compliance. MDE’s Penalty Policy further clarifies this definition and can be found in Appendix E.

Line 21: Indicates how many significant violations resulted in an environmental or health impact.

Line 22: Counts how many significant violations were technical/preventative in nature. The distinction here is based on evidence or proof that MDE must present to establish the violation in a contested case.

- Cases that include evidence of actual physical damage to the environment or to a human being, such as samples, photographs, or direct observations, are counted as having an environmental or health impact.
- Cases in which documentary evidence, such as falsified discharge monitoring reports, lack of permits or failure to maintain records, are counted as technical/preventative on line 22.
- The distinction between physical and technical violations is made to avoid the misperception that all violations involve pollution or immediately endanger human health.
- Either environmental/health violations or technical/preventative violations can be considered significant or non-significant depending on the circumstances of the violations.

Line 23: Accounts for the number of significant violations carried over from last year.

Line 24: The sum of lines 21 through 23, the total number of significant violations the program attempted to resolve during the fiscal year.

*25. Disposition of Significant Violations: What is the status?*

Lines 26 and 27: Answer the question of how many enforcement responses were concluded for significant violations in the fiscal year and how many are going to be carried over to next year.

- Resolved means that (1) an enforcement action or compliance assistance has been taken, and (2) the violator either has completed any required corrective action or has an executed agreement to take the corrective action and has begun bringing the site back into compliance.
- An ongoing enforcement response is one that is still in process and the site or violator has not taken adequate steps to correct the violation. Cases remain ongoing if the violator does not respond to MDE's initial violation notification; hearings have been scheduled and not yet held; or the hearing is complete and the violator has chosen to appeal the order. "Ongoing" enforcement responses are those not yet finished.

*28. Enforcement Actions and Penalties: What are the tools MDE uses to bring about compliance?*

Lines 29 – 36: MDE has a number of different enforcement tools that can be used to achieve compliance.

Line 29: Captures how often the program used **compliance assistance**.

- Compliance assistance is rendered when written documentation states that the correction has been made or commenced. This number does not necessarily correspond to the number of significant violations found because potential problems, which have not yet become violations, when corrected and documented, are counted as compliance assistance.
- This tool allows MDE to bring facilities into compliance without the necessity of resorting to formal enforcement actions. It is often implemented in less time and may reduce the environmental consequences of the violation.

Lines 30 through 32: Cover specific types of enforcement actions required to be reported under Environment Article Section 1-301(d). These are broken down into administrative and civil/judicial.

Line 33: The number of penalty actions and other enforcement actions not specifically designated above. These actions are primarily penalty actions, but they also include various forms of remedial requirements that do not fit the descriptions of the actions named in the statute.

Line 34: How often the program referred a matter to the Environmental Crimes Unit of the Attorney General's Office for possible criminal prosecution. These are not counted as resolved until there is a completed criminal case or the Crimes Unit has declined to take a criminal action, returned the case to the program and the program has taken an alternative form of enforcement.

Line 36: Discloses the amount of administrative or civil penalties obtained. This means monies collected during the fiscal year. The penalties recorded here may have been imposed in prior years, but are collected in whole or in part during the reporting year.

# SAMPLE FY 2014 PERFORMANCE MEASURES CHART

| Performance Measure   | TOTAL   |
|---|---|
| <b>1. PERMITTED SITES/FACILITIES</b>  |   |
| 2. Number of permits/licenses issued  |   |
| 3. Number of permits/licenses in effect at fiscal year end  |   |
| <b>4. OTHER REGULATED SITES/FACILITIES</b>  |   |
| 5. (other sites)  |   |
| 6. (other sites)  |   |
| 7. (other sites)  |   |
| 8. (other sites)  |   |
| <b>9. INSPECTIONS</b>   |   |
| 10. Number of sites inspected ("inspected" defined as at the site)  |   |
| 11. Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) |   |
| 12. Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)   |   |
| 13. Number of inspections, spot checks (captures number of compliance activities at sites)                      |   |
| 14. Number of audits (captures number of reviews of file/submittals for compliance)                             |   |
| 15. Number of inspections, audits, spot checks (sum of the two measures above, same as #12 on the prior charts) |   |
| <b>16. COMPLIANCE PROFILE</b>   |   |
| 17. Number of inspected sites/facilities with significant violations  |   |
| 18. Percentage of inspected sites/facilities with significant violations  |   |
| 19. Inspection coverage rate (number of sites inspected/coverage universe)                                      |   |
| <b>20. SIGNIFICANT VIOLATIONS</b>   |   |
| 21. Number of significant violations involving environmental or health impact                                   |   |
| 22. Number of significant violations based on technical/preventative deficiencies                               |   |
| 23. Number of significant violations carried over awaiting disposition from previous fiscal year                |   |
| 24. Total number of significant violations (sum of the three measures above)                                    |   |
| <b>25. DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |
| 26. Resolved  |   |
| 27. Ongoing   |   |
| <b>28. ENFORCEMENT ACTIONS</b>  |   |
| 29. Number of compliance assistance rendered  |   |
|   | Administrative      Civil/Judicial      TOTAL |
| 30. Number of show cause, remedial, corrective actions issued   |   |
| 31. Number of stop work orders  |   |
| 32. Number of injunctions obtained  |   |
| 33. Number of penalty and other enforcement actions   |   |
| 34. Number of referrals to Attorney General for possible criminal action  |   |
| <b>35. PENALTIES</b>  |   |
| 36. Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |   |

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**AIR AND RADIATION MANAGEMENT  
ADMINISTRATION**

# **Air and Radiation Management Administration**

## **Executive Summary**

The Air and Radiation Management Administration (ARMA) conducts enforcement and compliance activities in three programmatic areas: air quality, asbestos, and radiation.

The Air Quality Compliance Program devotes a significant portion of its capacity to ensuring compliance at approximately 600 high-impact sources. In addition to on-site inspections, the Program reviews report submittals, stack test results, sampling results, and continuous monitoring summaries to assess compliance at regulated facilities.

The low-impact facilities category is one in which only a small percentage of sources are inspected. This is due to the large numbers of these sources and the relatively low impact of any particular violation. This category includes sources such as paint spray booths, dry cleaners, emergency generators, and gas stations.

The Air Quality Compliance Program received over 400 air quality complaints in FY 2014. The Program responds to all complaints by telephone and based on the nature of the complaint, identifies and places priority on those that require a field inspection. Some complaint situations may need multiple follow-up inspections to address the concerns of the complainants and to ensure compliance with air quality requirements.

In the Asbestos Division, contractors intending to abate asbestos are required to notify MDE. MDE inspects as many of these projects as possible, generally focusing on the more substantial projects. Some demolition projects are also inspected. The number of asbestos notifications received in FY 2014 was 2,831. The Division continues to meet the requirement to inspect at least one removal project by each contractor. The Division has been challenged by the implementation of new testing requirements for asbestos workers which has reduced the number of inspections performed.

The Radiological Health Program (RHP) regulates both electronic sources of radiation and materials that are radioactive to prevent the general public from receiving any unnecessary exposure to radiation. Also, RHP is the primary State responder to public hazards involving radioactive materials, such as transportation incidents or a nuclear utility accident.

A main focus for the Radiation Machines Division for FY 2014 was continued implementation of the requirement for x-ray machine owners to conduct maintenance on a prescribed regular basis. X-ray machine owners are required to submit the maintenance reports to the Division where they are reviewed for possible compliance issues. Starting with this year's report these reviews are being counted as audits, resulting in an increase of more than 8,000 audits for the Division.

For FY 2014, the Radioactive Materials Licensing and Compliance Division maintained focus on continued implementation, through the licensing and inspection process, of increased security controls for those licensees with sufficient quantities and types of radioactive materials that, if stolen, would pose a national threat; the evaluation of the radiation safety and engineering aspects of a complex sealed source medical device prior

to allowing its use and sale across the nation; training of state and local personnel to assure statewide preparedness for a nuclear utility accident, and assistance in statewide implementation of a preventive radiological nuclear detection system.

**Air and Radiation Management Administration  
Performance Measures Executive Summary**

|   | <u>2013 Totals</u> | <u>2014 Totals</u> |
|---|--------------------|--------------------|
| <u>PERMITTED SITES/FACILITIES</u>                       |                    |                    |
| Number of Permits/Licenses Issued                       | 1,473              | 1,507              |
| Number of Permits/Licenses in Effect at Fiscal Year End | 30,471             | 30,453             |
| <u>OTHER REGULATED SITES/FACILITIES</u>                 |                    |                    |
| Other Regulated Sites                                   | 3,763              | 3,946              |
| <u>INSPECTIONS</u>                                      |                    |                    |
| Number of Sites Inspected                               | 3,892              | 3,609              |
| Number of Sites Audited but Not Inspected               | 894                | 1,201              |
| Number of Inspections, Audits, Spot Checks              | 11,024             | 19,166             |
| <u>ENFORCEMENT ACTIONS</u>                              |                    |                    |
| Number of Compliance Assistance Rendered                | 239                | 263                |
| Number of Enforcement Actions Taken *                   | 127                | 149                |
| <u>PENALTIES</u>  |                    |                    |
| Amount of Administrative or Civil Penalties Obtained    | \$421,750          | \$433,298          |

\* The total of enforcement actions for each program as listed in the chart for each.

# Ambient Air Quality Control

## PURPOSE

There are approximately 12,000 stationary sources of air emissions registered in Maryland. The Air Quality Compliance Program is responsible for ensuring that these sources comply with applicable air pollution control requirements. Approximately 200 of these sources emit more than 95% of all the pollutants emitted from stationary sources. These 200 high-emitting sources and an additional 400 or so priority sources receive a high level of scrutiny. The additional priority sources are selected due to concerns regarding potential emissions, toxic air pollutant emissions, potential for nuisance impact, impact on the general welfare, or the potential for significant risk to public health or the environment. This group of approximately 600 sources includes facilities such as power plants, large industrial operations, manufacturing plants, asphalt plants, and incinerators. This group varies slightly in number from year to year due to start-up of new sources, shut-down of existing sources, or sources reducing emissions or using less toxic materials to the point where they are no longer considered priority sources and thus do not demand close scrutiny. The remainder of the 12,000 sources are generally smaller in terms of their emissions or their impacts and are considered to be of lesser risk to public health or the environment. Examples of these smaller sources include dry cleaning operations, gas stations, charbroilers, small boilers, paint spray booths, and degreasing machines. For this reason, performance measures information is presented in two categories, *High-Impact Air Emission Facilities* and *Low-Impact Air Emission Facilities*.

## AUTHORITY

FEDERAL: Clean Air Act, Title I, Section 110

STATE: Environment Article, Title 2; COMAR 26.11

## PROCESS

In inspecting facilities, a major focus is given to those approximately 600 sources described above that are considered a potential significant risk to public health or the environment. Often, multiple inspections are performed at these sources over the course of a year. Inspections are both announced and unannounced, depending on the nature and purpose of the inspection. Attention is given to smaller, lower-risk sources through special initiatives that may focus on inspecting all sources within a particular source category, spot checks of a percentage of sources in a category where the category contains a large number of small sources, and the education of trade groups and equipment operators and owners.

## SUCCESSES/CHALLENGES

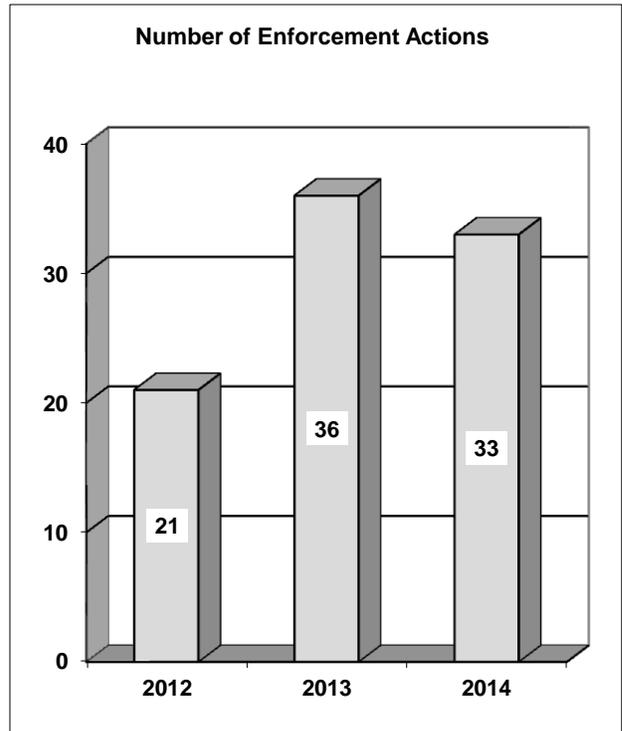
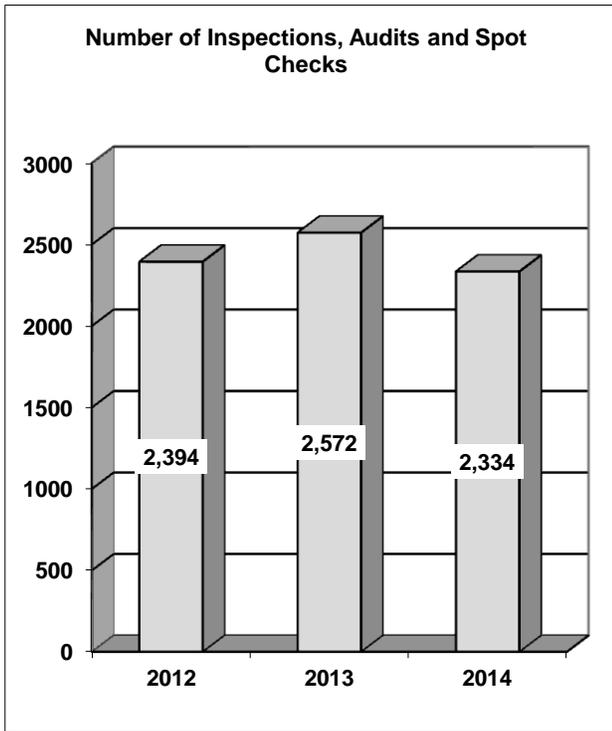
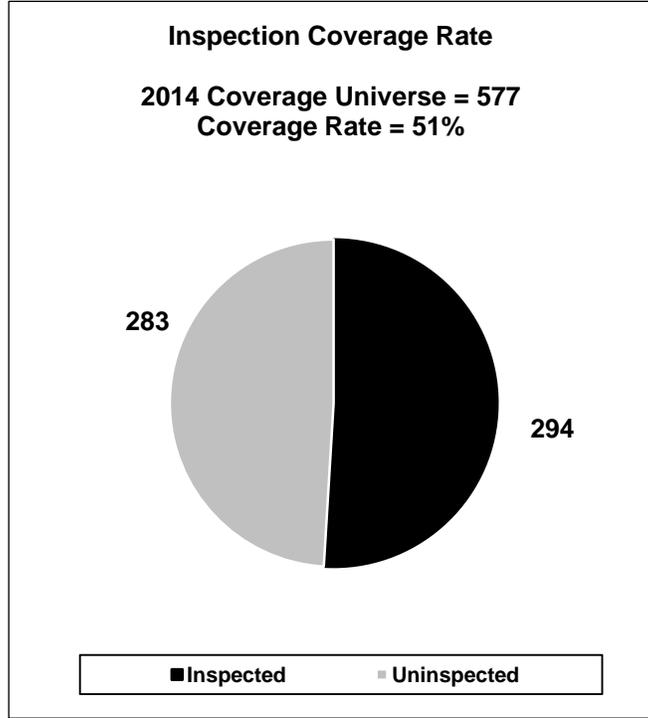
Ensuring compliance at high-impact sources continues to consume a large portion of the Air Quality Compliance Program's resources, and this focused attention contributes to the high compliance rate for this category. In addition to on-site inspections, the Program reviews compliance certifications, report submittals, stack test results, sampling results, and continuous monitoring summaries to assess compliance at regulated facilities. Challenges include addressing the growing list of air quality requirements at these large facilities with existing staff. Success has been achieved by identifying non-compliant facilities and ensuring a return to compliance.

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## Ambient Air Quality Control High-Impact Facilities

| Performance Measure  | TOTAL  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
|--|--|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|----|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of sites/facilities   | 577  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of permits/licenses issued  | 266  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end                                      | 3,952  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>INSPECTIONS</b>   |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)                               | 294  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of sites audited but not inspected  | 198  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of sites evaluated for compliance   | 492  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 814  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 1,520  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of inspections, audits, spot checks   | 2,334  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 12   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 3%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                       | 51%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 9  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 15   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 27   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Total number of significant violations   | 51   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Resolved   | 13   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Ongoing  | 38   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of compliance assistance rendered   | 46   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">13</td> <td style="text-align: center;">18</td> <td style="text-align: center;">31</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 2 | 0 | 2 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 13 | 18 | 31 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative   | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 2  | 0              | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of stop work orders   | 0  | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of injunctions obtained   | 0  | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 13   | 18             | 31             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |  |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 2  | 0              | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of stop work orders   | 0  | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of injunctions obtained   | 0  | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 13   | 18             | 31             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |  |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| <b>PENALTIES</b>   |  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    |  |                | \$264,000      |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |    |    |  |  |  |   |

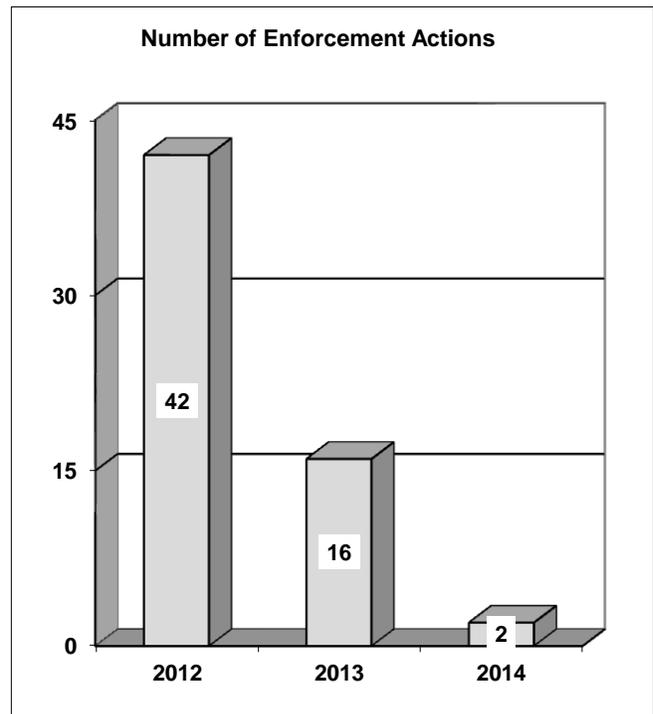
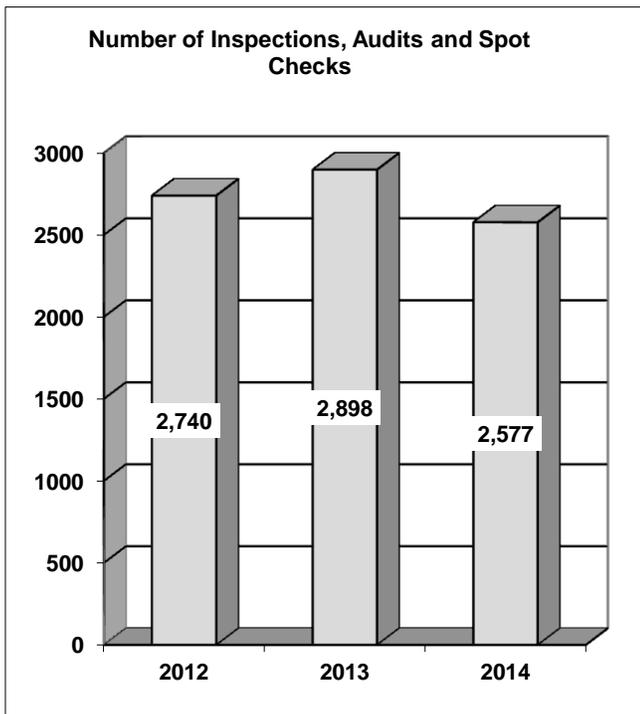
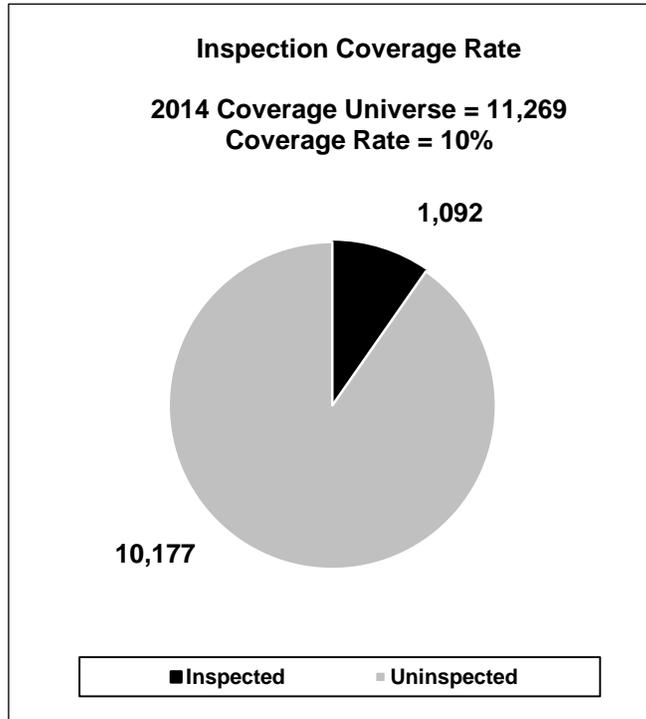
# Ambient Air Quality Control High-Impact Facilities



## Ambient Air Quality Control Low-Impact Facilities

| Performance Measure  | TOTAL   |
|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |
| Number of sites/facilities   | 11,269  |
| Number of permits/licenses issued  | 424   |
| Number of permits/licenses in effect at fiscal year end                                      | 20,746  |
| <b>INSPECTIONS</b>   |   |
| Number of sites inspected ("inspected" defined as at the site)                               | 1,092   |
| Number of sites audited but not inspected  | 792   |
| Number of sites evaluated for compliance   | 1,884   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 1,246   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 1,331   |
| Number of inspections, audits, spot checks   | 2,577   |
| <b>COMPLIANCE PROFILE</b>  |   |
| Number of inspected sites/facilities with significant violations                             | 2   |
| Percentage of inspected sites/facilities with significant violations                         | >1%   |
| Inspection coverage rate (number of sites inspected/coverage universe)                       | 10%   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |
| Number of significant violations involving environmental or health impact                    | 0   |
| Number of significant violations based on technical/preventative deficiencies                | 2   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 9   |
| Total number of significant violations (sum of the three measures above)                     | 11  |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |
| Resolved   | 8   |
| Ongoing  | 3   |
| <b>ENFORCEMENT ACTIONS</b>   |   |
| Number of compliance assistance rendered   | 42  |
|  | Administrative    Civil/Judicial    Total       |
| Number of show cause, remedial, corrective actions issued                                    | 0                      0                      0 |
| Number of stop work orders   | 0                      0                      0 |
| Number of injunctions obtained   | 0                      0                      0 |
| Number of penalty and other enforcement actions  | 1                      1                      2 |
| Number of referrals to Attorney General for possible criminal action                         | 0   |
| <b>PENALTIES</b>   |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$750   |

# Ambient Air Quality Control Low-Impact Facilities



# Air Quality Complaints

## **PURPOSE**

In addition to the almost 12,000 registered or permitted sources of air emissions in Maryland, there are numerous potential sources of air pollution that are not required to be registered or permitted by the Department. Examples include some composting operations, construction sites, open burning activities, hot-tar roofing operations, material storage piles, welding and burning activities, and certain portable operations of short duration. These sites or activities can create nuisance conditions such as odors or fugitive dust. The Air Quality Compliance Program responds to complaints regarding nuisance odors and dust from both permitted and non-permitted operations. After investigation, some complaints reveal no basis for potential harm to the environment or public health, but will be addressed to reduce nuisance conditions to neighbors or communities.

## **AUTHORITY**

STATE: Environment Article, Title 2; COMAR 26.11

## **PROCESS**

Complaints are addressed in a number of ways depending on the nature of the complaint. A complaint situation may be of sufficient severity to warrant an immediate site visit. Complaints arising from severe nuisance situations generally result in the Department receiving multiple and separate complaints for a single situation. A complaint situation can also be a sporadic occurrence, which may lead to increased surveillance of a site in an attempt to verify the existence of a problem, which may lead to a formal inspection. Some complaints, particularly where only an explanation of what is allowed is needed, can be resolved through phone contact or letters. If the complaint investigation reveals a violation at a permitted site, the violation and subsequent enforcement action is counted under the ambient air quality control program's performance measures chart.

Only those violations that occur at non-permitted sites are counted here. Most violations in this category are related to open burning activities or the creation of off-site nuisances caused by odors or dust from sites. Violations such as these rarely result in actual harm, but have the potential to cause harm to the environment or public health, and on this basis are included in this report. Nearly all violations in this program are resolved without the need to take enforcement action, as they generally relate to short-lived activities, are quickly corrected (often at the time of inspection), do not reoccur, and result in no actual harm to public health or the environment.

## **SUCSESSES /CHALLENGES**

The Air Quality Compliance Program received over 400 complaints in FY 2014. The Program responds to all complaints by telephone, prioritizing those that merit a field inspection. Some complaint situations needed multiple follow-up inspections to ensure compliance with air quality requirements. Based on their nature, some complaints at non-permitted sites may need follow-up enforcement action to achieve compliance.

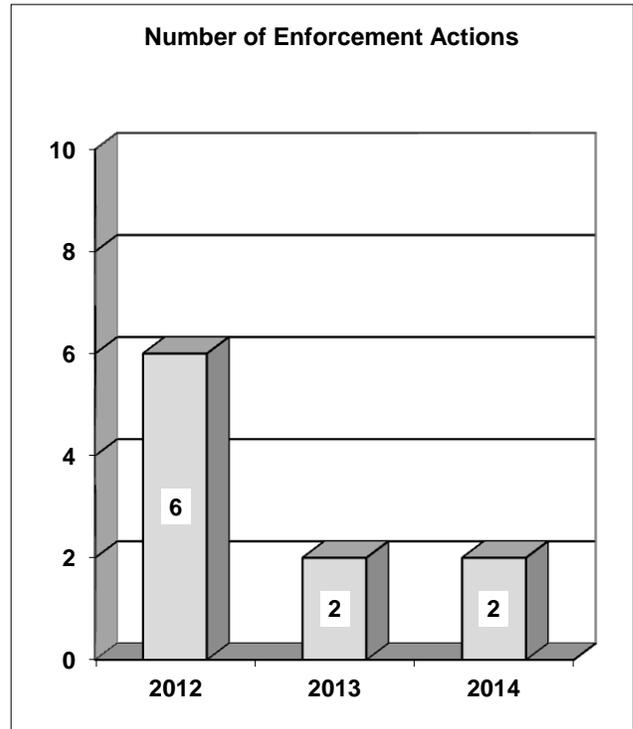
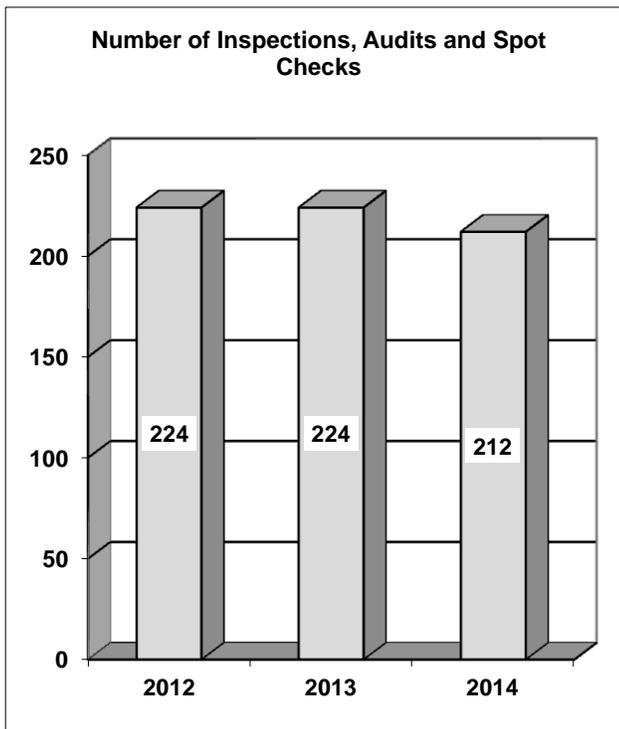
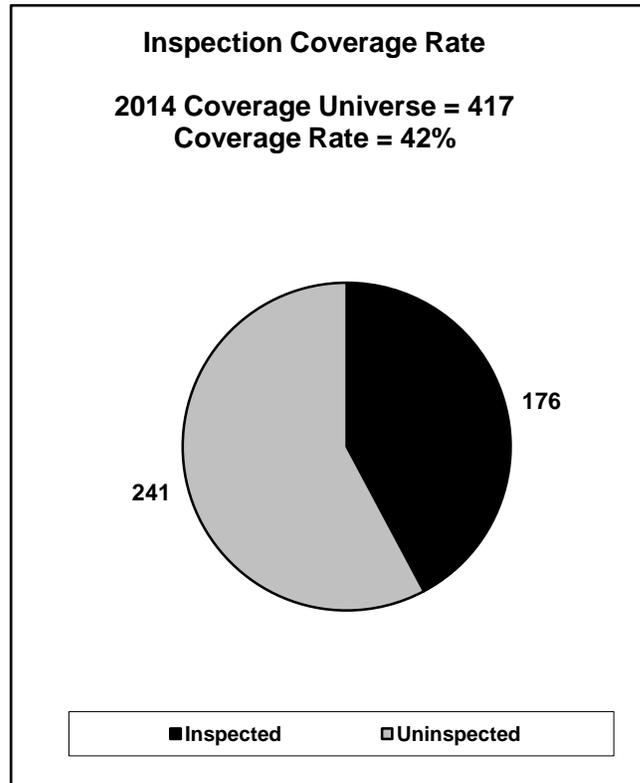
Many complaints are successfully resolved by the Program leading to improved quality of life for Maryland citizens. However some complaint situations can be challenging due to the sporadic nature of the problem, leading to difficulty in locating the source.

## Air Quality Complaints

| Performance Measure  | TOTAL   |
|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |
| Number of sites/facilities   | N/A   |
| Number of permits/licenses issued  | N/A   |
| Number of permits/licenses in effect at fiscal year end  | N/A   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |
| Complaints received at all sites   | 417   |
| Complaints received at unregistered/unpermitted sites  | 304   |
| <b>INSPECTIONS</b>   |   |
| Number of unregistered/unpermitted sites inspected ("inspected" defined as at the site)                                  | 114   |
| Number of inspections, spot checks at unregistered/unpermitted sites (captures number of compliance activities at sites) | 212   |
| Number of initial complaint inspections at all sites*  | 176   |
| <b>COMPLIANCE PROFILE</b>  |   |
| Number of inspected sites/facilities with significant violations   | 0   |
| Percentage of inspected sites/facilities with significant violations   | 0%  |
| Inspection coverage rate (number of sites inspected/coverage universe)   | 42%   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |
| Number of significant violations involving environmental or health impact  | 0   |
| Number of significant violations based on technical/preventative deficiencies  | 0   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                             | 2   |
| Total number of significant violations (sum of the three measures above)   | 2   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |
| Resolved   | 2   |
| Ongoing  | 0   |
| <b>ENFORCEMENT ACTIONS</b>   |   |
| Number of compliance assistance rendered   | 8   |
|  | Administrative      Civil/Judicial      Total   |
| Number of show cause, remedial, corrective actions issued  | 0                      0                      0 |
| Number of stop work orders   | 0                      0                      0 |
| Number of injunctions obtained   | 0                      0                      0 |
| Number of penalty and other enforcement actions  | 0                      2                      2 |
| Number of referrals to Attorney General for possible criminal action   | 0   |
| <b>PENALTIES</b>   |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)  | \$2,500   |

\*This line includes responses to complaints at permitted sites and unregistered/unpermitted sites and is used to calculate the coverage rate for complaints. The inspections and any enforcement actions at any permitted sites are captured in the sections for registered sources.

# Air Quality Complaints



# Asbestos

## **PURPOSE**

The Air Quality Compliance Program's Asbestos Division manages the licensing of asbestos removal contractors and oversees their efforts when removing or encapsulating asbestos to ensure that asbestos is handled in a manner that is protective of human health. Any project that involves demolition or the removal of more than 240 linear feet or more than 160 square feet of asbestos-containing material is subject to federal standards under EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) program. All projects are subject to additional requirements under state laws and regulations. Projects can range from something as small as a single pipe wrapping to a major removal project at a power plant or other large facility.

## **AUTHORITY**

FEDERAL: Clean Air Act, Title 1, Section 112

STATE: Environment Article, Title 6, Subtitle 4; COMAR 26.11.21

## **PROCESS**

Removing or encapsulating asbestos is required to be done by a contractor licensed by MDE. The contractor is required to notify the Department of the location of the activity and the approximate amount of asbestos-containing material to be removed or encapsulated prior to undertaking the work. From the information contained in the notification, the Department will determine whether the project is required to meet federal safety standards. Approximately 25% to 30% of all asbestos projects undertaken are subject to federal program requirements. Projects subject to such requirements are considered a priority and an inspection will generally take place. Priority is also given to inspecting contractors with poor performance records, projects in close proximity to other priority projects (for inspection efficiency) and projects for which complaints have been lodged. The focus of an inspection is on determining whether a contractor is adhering to the standards designed to protect workers and the public from exposure to asbestos. Some sites, such as demolition sites, where no notification has occurred but where asbestos may be encountered, are also inspected.

## **INSPECTION COVERAGE RATE**

The inspection coverage rate is computed as the number of sites inspected divided by the number of notifications received. Note that the Division receives notifications for any amount of asbestos that is disturbed. This will include notifications for one to two feet of removal in which the project will last for maybe two hours, to notification for thousands of linear and square feet, in which the project may last up to twelve months. State law governs the notification process for small projects, and requires only that the contractor notify the Department before the project begins. The larger projects are governed by federal requirements, and the contractor is required to notify at least ten days prior to beginning the project. It is more likely that an inspection will take place at a site where removal will last a day or more. The Division is required by state law to annually inspect at

least one asbestos removal project by each contractor. The Division meets this requirement.

### **SUCSESSES/CHALLENGES**

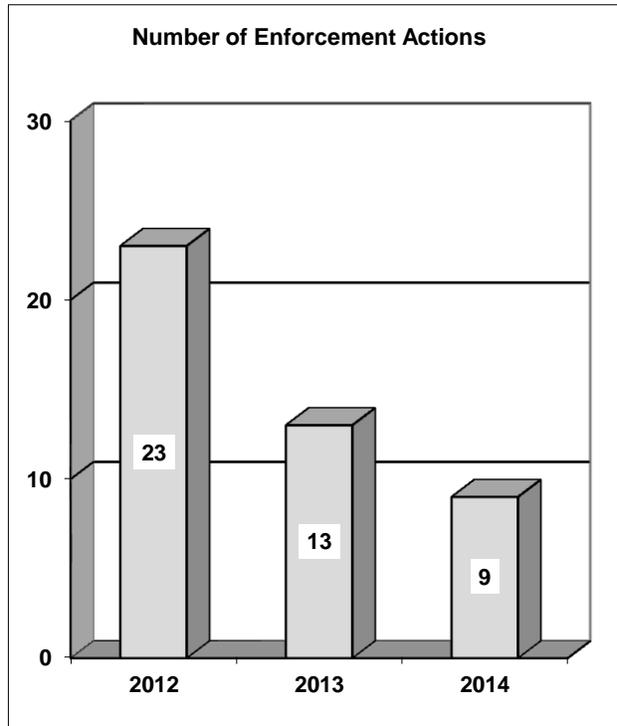
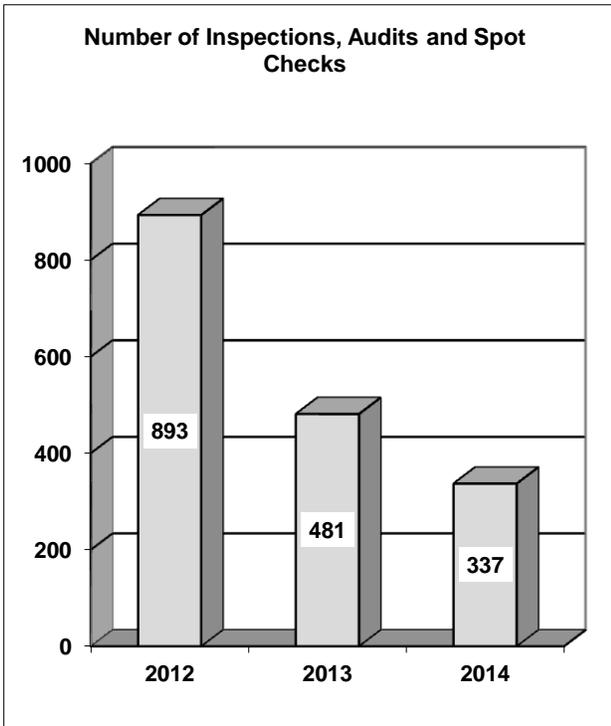
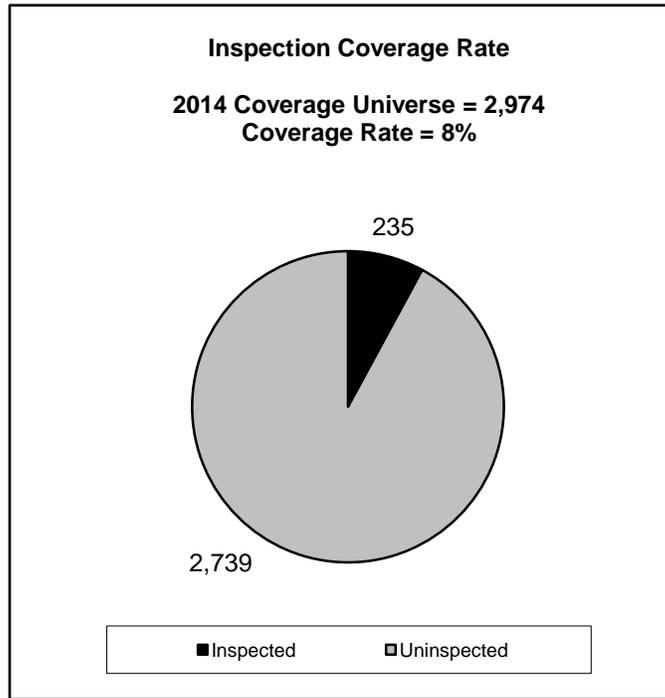
Contractors intending to abate asbestos are required to notify MDE. MDE inspects as many of these projects as possible, generally focusing on the more substantial projects. In FY 2014, the Asbestos Division inspected about 8% of sites that provided notification to MDE.

The number of sites inspected and the number of inspections dropped significantly in FY 2014 due to the staff resources needed to implement the 2013 law requiring third-party testing for asbestos workers.

# Asbestos

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses issued (Asbestos Contractor Licenses)  | 128   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 128   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of asbestos notifications received   | 2,974   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 235   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 235   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 337   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 337   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 36  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 15%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 8%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 36  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 22  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 58  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved  | 14  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing   | 44  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered  | 21  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">Administrative</th> <th style="width: 25%; text-align: center;">Civil/Judicial</th> <th style="width: 10%; text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">9</td> <td style="text-align: center;">0</td> <td style="text-align: center;">9</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td></td> <td></td> <td style="text-align: center;">1</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 9 | 0 | 9 | Number of referrals to Attorney General for possible criminal action |  |  | 1 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions   | 9   | 0              | 9              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$33,750  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

# Asbestos



# Radiation Machines Division

## PURPOSE

The Radiation Machines Division (RMD) regulates manufactured electronic sources of radiation to minimize the amount of unnecessary radiation exposure received by the general public. These electronic radiation sources include dental and veterinary x-ray machines, mammography (breast imaging) machines, diagnostic and therapeutic radiation machines, and other electronic radiation devices such as security screening devices used in research or industry.

State regulations, which derive in part from U.S. Food and Drug Administration (FDA) statutory and regulatory directives and guidelines, require that all radiation exposures be "As Low As Reasonably Achievable" (ALARA). Radiation exposure can cause adverse health effects, with risk that varies depending upon the amount of radiation received, frequency of radiation exposures, and radio-sensitivity of body parts. Although the medical benefits of radiologic diagnostic and therapeutic treatment procedures far outweigh potential risks of sustained biological damage, evidence suggests that cells in the human body can be damaged by numerous small exposures over time, and that these multiple exposures have a cumulative health effect that may be as detrimental as receiving a single large exposure. There continues to be a growing awareness in the health community that human health impacts from radiation machine procedures are on the rise due to the increased use of radiation for diagnosis and therapy. To some degree, x-ray imaging has replaced procedures that do not require radiation, such as ultrasound or magnetic resonance, causing the general public to increase their level of radiation exposure.

## AUTHORITY

FEDERAL: Radiation Control for Health and Safety Act of 1968, 21CFR1000;  
Mammography Quality Standards Act; 21CFR900

STATE: Environment Article, Title 8 "Radiation";  
COMAR 26.12. Radiation Management

## PROCESS

The RMD ensures all radiation machine facilities are inspected on cycles required by statute, regulation, administrative policy, or contract. Note that while mammography inspection reports are provided to the FDA for follow-up enforcement actions, the FDA's response actions are not included in this report.

Dental, veterinary, and mammography facilities are required to renew the radiation machine facility registration of the x-ray equipment every two years. Facilities with x-ray machines subject to certification are required to renew the radiation machine facility registration on the same schedule as the certification inspection frequency presented in the chart below.

## **SUCSESSES/CHALLENGES**

Medical facilities continue to have a high rate of compliance. A contributing factor to the increased compliance is believed to be the regulatory requirement that all radiation machines be maintained according to manufacturer specifications. All radiation machine facilities are now required to have preventive maintenance performed on their radiation machines at the interval recommended by the manufacturer for each machine. If an interval is not specified, the maintenance must be performed every 12 months. For a radiation machine, the potential consequence of failure to perform recommended maintenance is greater radiation exposure than clinically necessary to patients and occupational workers. In January 2013, the RHP started issuing a Notice of Violation (NOV) to any facility that failed to maintain a radiation machine. Follow-up enforcement action is being taken as warranted. It is noteworthy to point out that in FY2014 there was a slight increase in enforcement actions due to facilities not fully meeting their requirements to periodically maintain their machines. These reviews are counted as audits beginning this year resulting in an increase of more than 8,000 in the number of audits.

In July 2012, the RMD initiated a numbering system as an identifier of radiation machine tubes within the State of Maryland in order to better track every radiation machine in the State from installation to removal. The RMD has replaced the old Paradox database system with a new database that houses all of the radiation machines information in one location, making it a more efficient system. The new database has reduced the length of the time for shielding, inspection confirmation, and registration letters to be generated, since the database can automatically produce the letter. In 2014, the RMD started the process of linking the field inspection reporting system (FIRS) to the main RMD database. This will allow field inspectors to input information into FIRS which will then automatically populate the main database, giving rise to greater accuracy.

The number of enforcement actions against dental facilities continues to fall significantly below the level seen in the latter part of the previous decade, not because of improved initial compliance but rather due to a state law that took effect on June 1, 2010. The change provides that if dental facilities correct violations of regulatory requirements within twenty working days of an inspection, the Department is prevented from assessing a financial penalty for those violations found at the time of the inspection, unless they are deemed to present a serious and probable danger to the patients or employees of a dental facility. This statutory restriction significantly limits the Department's ability to aggressively pursue improved compliance. The dental compliance rate continues to be well below the average for other regulated entities across the Department.

Whenever a misadministration or an overexposure at a registered facility occurs, the RMD attends a series of radiation safety meetings held by the facility. These meetings are mandated by a Departmental Order and provide a forum to address public health concerns and improve radiation safety procedures.

The chart on page 44 shows the types of facilities regulated and the frequency at which they are inspected. For clarity, please note that the words machine and tube are used interchangeably.

| Facility Type                               | Registered X-ray Tubes*                 | Inspection Frequency |
|---|---|----------------------|
| High Energy & Particle Accelerators         | 2 facilities, 2 certified tubes         | Annual               |
| Medical (Therapy) Accelerators              | 41 facilities, 73 certified tubes       | Annual               |
| Hospitals                                   | 60 facilities, 1,267 certified tubes    | Biennial             |
| Physicians: Chiropractic, MD, GP, Podiatric | 1,239 facilities, 1,845 certified tubes | Biennial             |
| Industrial                                  | 313 facilities, 631 certified tubes     | Triennial            |
| Dental                                      | 2,835 facilities, 9962 tubes            | Triennial            |
| Veterinary                                  | 461 facilities, 642 tubes               | Triennial            |
| Mammography                                 | 137 facilities, 202 tubes               | Annual               |

\*Code of Maryland Regulations (COMAR) 26.12.03 states that "Radiation Machine" means a device that is capable of producing radiation. On any radiation-producing equipment with more than one x-ray tube, or other single point from which radiation may be emitted, each x-ray tube or radiation emission point is considered a separate radiation machine. "Tube" is defined in COMAR 26.12.01.01 as an x-ray tube or other single point from which radiation may be emitted.

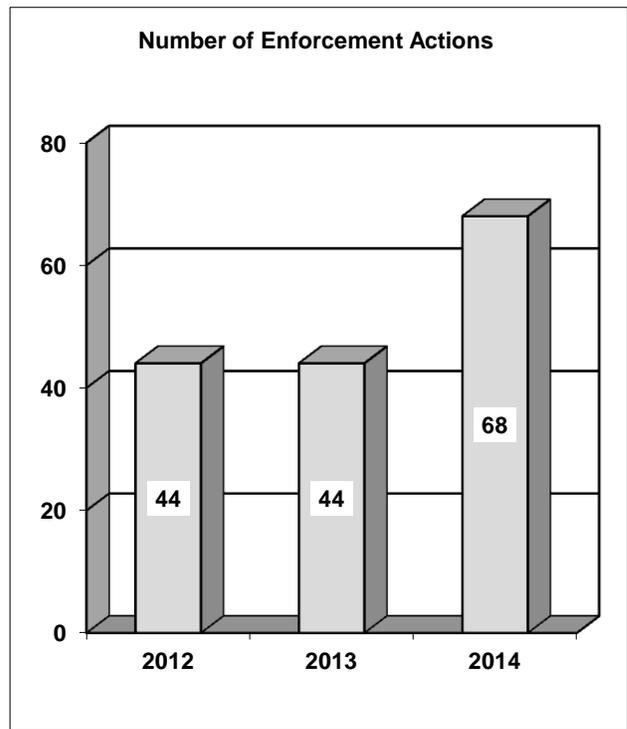
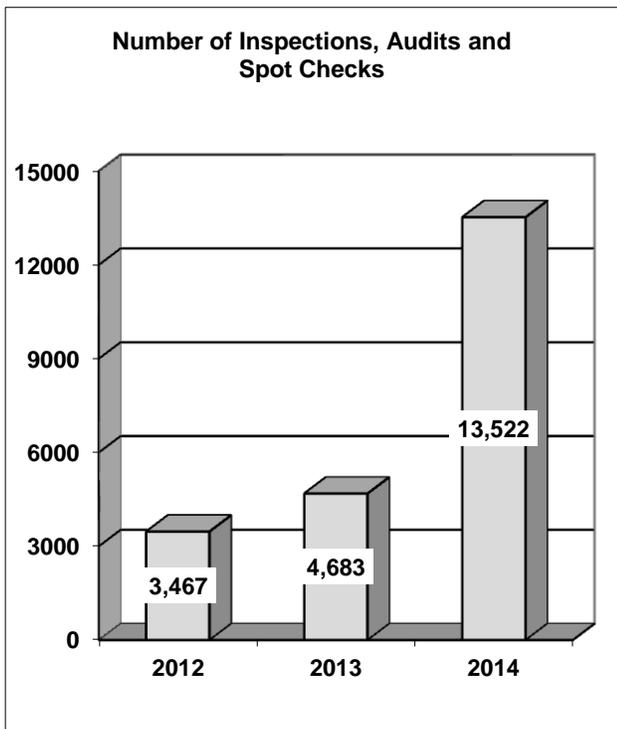
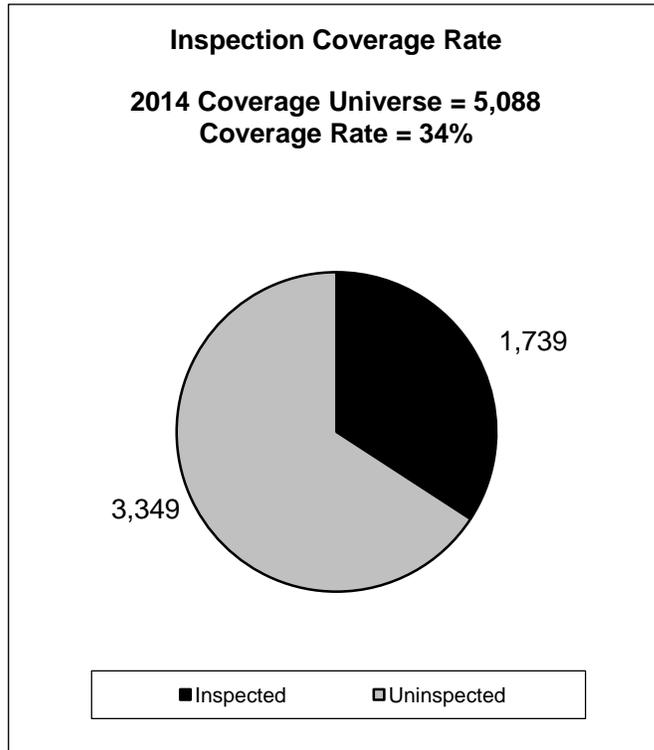
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## Radiation Machines

| Performance Measure   | TOTAL          |                |       |
|---|----------------|----------------|-------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |       |
| Number of new facility registrations issued   | 282            |                |       |
| Number of facility registrations in effect at fiscal year end   | 5,088          |                |       |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                |                |       |
| Number of service companies registered at fiscal year end   | 270            |                |       |
| Number of licensed private inspectors at fiscal year end  | 79             |                |       |
| Number of plan review or area surveys reviewed at fiscal year end   | 153            |                |       |
| <b>INSPECTIONS</b>  |                |                |       |
| Number of sites inspected (“inspected” defined as at the site)  | 1,739          |                |       |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) (shielding reviews) | 211            |                |       |
| Number of sites evaluated for compliance (sum of the two measures above)  | 1,950          |                |       |
| Number of inspections, spot checks (captures number of compliance activities at sites)  | 4,922          |                |       |
| Number of audits (captures number of reviews of file/submittals for compliance)   | 8,600          |                |       |
| Number of inspections, audits, spot checks (sum of the two measures above,)   | 13,522         |                |       |
| <b>COMPLIANCE PROFILE</b>   |                |                |       |
| Number of inspected sites/facilities with significant violations  | 346            |                |       |
| Percentage of inspected sites/facilities with significant violations  | 20%            |                |       |
| Inspection coverage rate (number of sites inspected/coverage universe) *  | 34%            |                |       |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |       |
| Number of significant violations involving environmental or health impact   | 0              |                |       |
| Number of significant violations based on technical/preventative deficiencies   | 753            |                |       |
| Number of significant violations carried over awaiting disposition from previous fiscal year**                                  | 90             |                |       |
| Total number of significant violations (sum of the three measures above)  | 843            |                |       |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |       |
| Resolved  | 744            |                |       |
| Ongoing   | 99             |                |       |
| <b>ENFORCEMENT ACTIONS</b>  |                |                |       |
| Number of compliance assistance rendered  | 0              |                |       |
|   | Administrative | Civil/Judicial | Total |
| Number of show cause, remedial, corrective actions issued   | 15             | 0              | 15    |
| Number of stop work orders  | 2              | 0              | 2     |
| Number of injunctions obtained  | 0              | 0              | 0     |
| Number of penalty and other enforcement actions   | 51             | 0              | 51    |
| Number of referrals to Attorney General for possible criminal action  | 1              |                |       |
| <b>PENALTIES</b>  |                |                |       |
| Amount of administrative or civil penalties obtained (\$ collected in FY)   | \$84,368       |                |       |

\* Coverage is computed as the number of sites inspected divided by the sum of the number of facility registrations, the number of registered service providers, and the number of licensed private inspectors.

# Radiation Machines Division



# Radioactive Materials Licensing and Compliance

## PURPOSE

The Radioactive Materials Licensing and Compliance Division (RAMLCD) issues licenses to, and inspects, hospitals, cancer treatment and diagnostic imaging centers, private medical practices, construction, research and development firms, academic institutions, nuclear pharmacies, and manufacturers and distributors of sealed sources and devices (SS&D). Regulation of the use, handling, and control of both generally and specifically licensed radioisotopes is mandated to protect the health and safety of radiation workers and the general public as well as minimize environmental contamination. Facility radiation safety programs and authorized activities are evaluated during the licensing and inspection process to confirm a strong radiation safety culture and to establish compliance with Maryland ionizing radiation regulations in such areas as security of radioactive material; training of personnel; possession of adequate protective devices; and control of radiation hazards. The RAMLCD is also the primary State responder to public hazards involving radioactive material, such as transportation incidents or any other incidents involving loss of control of radioactive material in a Maryland jurisdiction. The RAMLCD also provides radiological technical input and coordination for statewide emergency preparedness in the areas of shipment of high level radioactive waste through Maryland; increased security of certain types of facilities possessing radioactive material; facilitation of training of local responders to radiation emergencies; and assistance in the evaluation, coordination, and implementation of policies and procedures for preventive radiological nuclear detection. RHP is also one of the primary State responders should there be a radiation incident at a fixed nuclear facility with potential impact to Maryland residents. The RAMLCD also evaluates new and modified devices containing sealed radiation sources submitted by Maryland companies for radiation safety and engineering reliability prior to the issuance of SS&D Certifications.

## AUTHORITY

FEDERAL: Atomic Energy Act of 1954, as amended;  
10 CFR (Nuclear Regulatory Commission) Parts 1-171

STATE: Environment Article, Title 8; "Radiation";  
COMAR 26.12. Radiation Management

## PROCESS

The RAMLCD issues licenses with a seven-year term for approximately 52 types of radioactive material use in accordance with established guidance. The RAMLCD inspects facilities for compliance with radiation regulations and adherence to license conditions and radiation safety procedures and practices. Inspections are performed over a one-to-four-day period by one inspector or a team of inspectors at a frequency based on the quantity, activity and toxicity of the radioisotope(s), the potential hazard resulting from its use, and the nature of the operation. Inspection frequency ranges from annual to every five years, with possible modification for licensees with a poor compliance history. When violations occur, corrective actions are required and are verified through several means, including possible follow-up inspections. RAMLCD also conducts investigations throughout Maryland in response to radioactive materials (RAM) incident reports, complaints, suspected violations, or unauthorized RAM use. The Division also oversees the decommissioning of previously-licensed RAM facilities, conducts safety evaluations on RAM sources and

devices, and performs pre-licensing visits to all applicants prior to the issuance of a license. Additionally, the RAMLCD performs inspections on at least 25% of the most hazardous radiation operations conducted in Maryland by out-of-state radioactive material licensees under reciprocal recognition of their licenses.

**SUCSESSES/CHALLENGES**

Successes in FY 2014 include the continued implementation of increased security controls for those licensees with sufficient quantities and types of radioactive materials, that if stolen would pose a national security threat; the evaluation of the radiation safety and engineering, and the device registration, of a complex sealed-source medical device prior to allowing the use and sale of the device across the nation; training of state and local personnel to assure statewide preparedness for a nuclear utility accident; serving on the States Preventive Radiological Nuclear Detection (PRND) Executive Committee and assisting in the implementation of policies and procedures for the State’s PRND activities and radiological response capabilities regarding a threat of malicious use of radioactive material.

Challenges include the further evaluation and implementation of increased security for radioactive material in Maryland; continued outreach and education of Maryland citizens regarding the actual hazards of ionizing radiation; and further implementation of preventive radiological detection in Maryland.

**INSPECTION COVERAGE RATE**

The following chart shows the inspection frequency, the number of licenses that are inspected at that frequency, and an example of the type of licenses:

| <b>Inspection Frequency</b> | <b>Number of Licenses</b> | <b>Examples of License Types</b>  |
|-----------------------------|---------------------------|---|
| Annual                      | <b>9</b>                  | Gamma Knife (cancer therapy)<br>Industrial Radiography  |
| 2 Years                     | <b>49</b>                 | Mobile Medical Vans<br>Academic & Medical Research<br>Nuclear Pharmacies<br>Remote Afterloader (cancer therapy) |
| 3 Years                     | <b>112</b>                | Hospitals<br>Brachytherapy (cancer therapy)<br>Medical Offices  |
| 5 Years                     | <b>368</b>                | Fill/Density Gauges<br>Nuclear Pacemakers<br>Diagnostic Nuclear Medicine  |

Notes for above table:

Licenses inspected in the annual, two-year and three-year inspection frequencies are the most complex and represent those types of radioactive material activities with the greatest radiation hazard to users and members of the general public.

Facility radioactive material inspections are resource-intensive. Onsite facility inspection times vary from half a day with one inspector for the five-year inspection frequency, to a four-day inspection with three inspectors for certain extremely complex annual inspections.

# Radioactive Materials

| Performance Measure   |                    |                | TOTAL              |
|---|--------------------|----------------|--------------------|
| <b>PERMITTED SITES/FACILITIES</b>   |                    |                |                    |
| Number of permits/licenses issued   |                    |                | 407                |
| Number of permits/licenses in effect at fiscal year end   |                    |                | 539                |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                    |                |                    |
| Sources from other jurisdictions  |                    |                | 53                 |
| <b>INSPECTIONS</b>  |                    |                |                    |
| Number of sites inspected ("inspected" defined as at the site) <sup>*</sup>                                 |                    |                | 135                |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) |                    |                | 0                  |
| Number of sites evaluated for compliance (sum of the two measures above)                                    |                    |                | 221 <sup>***</sup> |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      |                    |                | 184                |
| Number of audits (captures number of reviews of file/submittals for compliance)                             |                    |                | 0                  |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  |                    |                | 184                |
| <b>COMPLIANCE PROFILE</b>   |                    |                |                    |
| Number of inspected sites/facilities with significant violations  |                    |                | 9                  |
| Percentage of inspected sites/facilities with significant violations  |                    |                | 7%                 |
| Inspection coverage rate (number of sites inspected/coverage universe) <sup>**</sup>                        |                    |                | 23%                |
| <b>SIGNIFICANT VIOLATIONS</b>   |                    |                |                    |
| Number of significant violations involving environmental or health impact                                   |                    |                | 0                  |
| Number of significant violations based on technical/preventative deficiencies                               |                    |                | 27                 |
| Number of significant violations carried over awaiting disposition from previous fiscal year                |                    |                | 21                 |
| Total number of significant violations (sum of the three measures above)                                    |                    |                | 48                 |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                    |                |                    |
| Resolved  |                    |                | 44                 |
| Ongoing   |                    |                | 9                  |
| <b>ENFORCEMENT ACTIONS</b>  |                    |                |                    |
| Number of compliance assistance rendered  |                    |                | 146                |
|   | Administrative     | Civil/Judicial | Total              |
| Number of show cause, remedial, corrective actions issued   | 0                  | 0              | 0                  |
| Number of stop work orders  | 0                  | 0              | 0                  |
| Number of injunctions obtained  | 0                  | 0              | 0                  |
| Number of penalty and other enforcement actions   | 35 <sup>****</sup> | 0              | 35                 |
| Number of referrals to Attorney General for possible criminal action  |                    |                | 0                  |
| <b>PENALTIES</b>  |                    |                |                    |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |                    |                | \$47,930           |

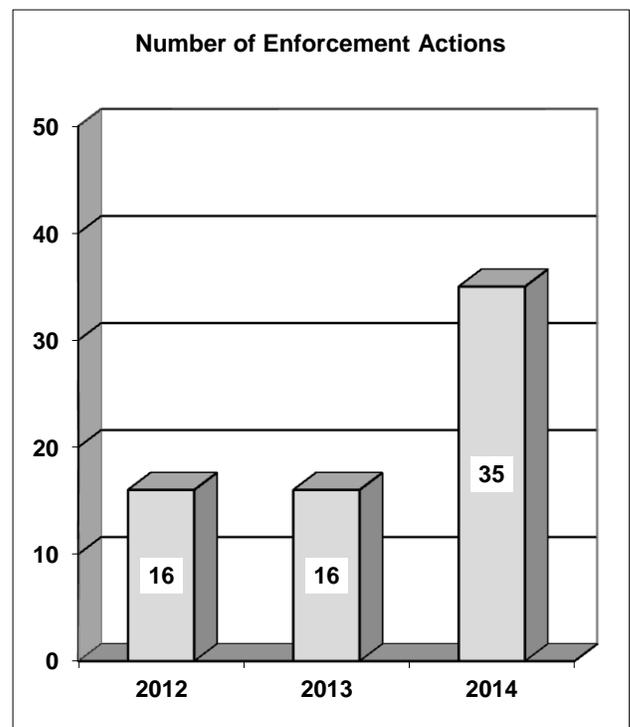
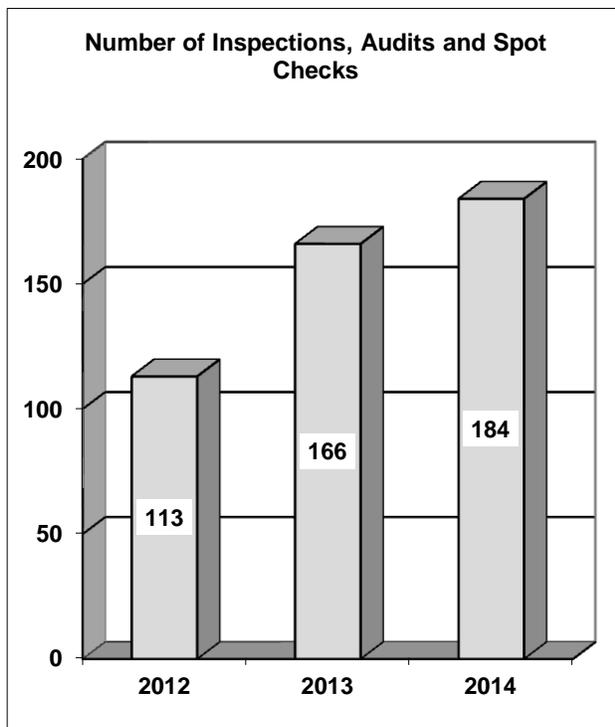
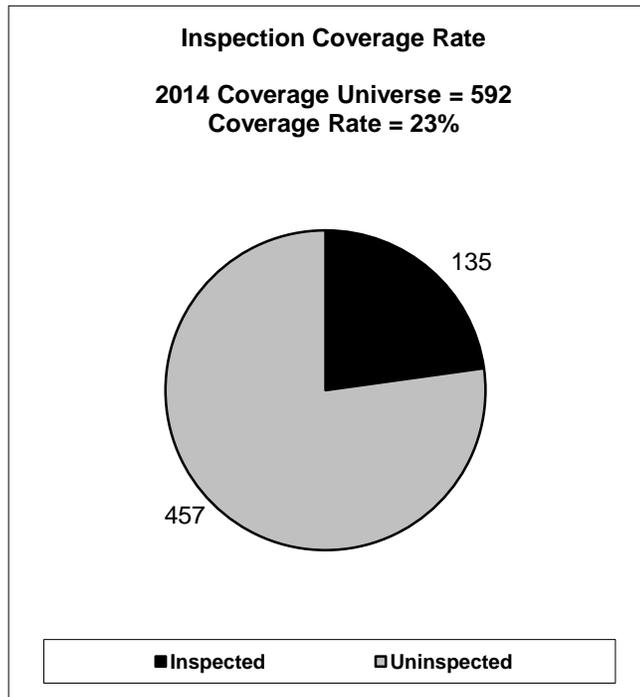
\* Number of licensees inspected at least once

\*\* Coverage is computed as the number of licenses inspected divided by the sum of the number of permits/licenses in effect plus the number of sources from other jurisdictions since each could be cause for inspection.

\*\*\*This value exceeds the sum of the two rows above due to radioactive material inspections sometimes being conducted at more than one site for a given source.

\*\*\*\*This number includes notices of violation issued for non-significant violations.

# Radioactive Materials



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# LAND MANAGEMENT ADMINISTRATION

# Land Management Administration

## Executive Summary

The Land Management Administration's (LMA) mission is to protect human health and preserve and restore land and water resources by reducing the quantity and toxicity of generated wastes through recycling and source reduction, ensuring the control and proper disposal of waste, managing lead paint compliance activities, assuring that oil is handled in an environmentally safe manner, and overseeing the remediation of contaminated sites for viable economic development. This is achieved by maintaining a highly visible presence in the regulated community, providing assistance to stakeholders, and developing long-term strategies for waste management needs.

In FY 2014, LMA overall issued 2,775 permits/registrations compared to 2,127 in FY 2013. This is an increase of 648 permits/registrations. The Scrap Tire Unit had the largest increase due to a full staff by the end of the first quarter of FY 2014. In FY 2014 the Scrap Tire Unit issued 644 permit/registrations compared to 299 in FY 2013.

The total of permits/registrations in effect at the end of FY 2014 for LMA decreased slightly to 8,970 from 9,011 in FY 2013. However, Hazardous Waste, Refuse Disposal, Animal Feeding Operations and Natural Wood Waste increased their total permits/registration in effect at the end of FY 2014.

The number of "other regulated sites" decreased overall for LMA by 53 in FY 2014. In FY 2014, 152,264 other sites were regulated, compared to 152,317 in FY 2013. The large majority of sites in this category are properties covered by the rental property registration requirements of the Lead Poisoning Prevention Program. Animal Feeding Operations had a significant reduction in this category as facilities were registered and moved out of the pending registration category.

Even with vacancies across LMA's inspection staff, sites inspected increased by 8% in FY 2014 from FY 2013. Lead Poisoning Prevention had the highest increase, which was a result of an increase in the reported inspections by MDE-accredited lead inspectors.

The number of sites audited but not inspected increased to 3,670 in FY 2014 overall for LMA compared to 3,045 in FY 2013. This is an increase of 625 audits. There were increases in this activity for most of LMA's programs.

The number of inspections, audits and spot checks performed overall in LMA increased 9% in FY 2014. This is an increase of 5,042. Lead Poisoning Prevention and Scrap Tires had the largest increases. This is due to vacancies being filled in the Scrap Tire program and the increase in third-party inspections for the Lead Poisoning Prevention program.

Compliance assistance declined across LMA by 719, and enforcement actions decreased by 24% compared to FY 2013. These decreases are largely due to increased vacancies in LMA inspection staff in FY 2014. The Underground Storage Tank Systems had the highest increase of 7% over FY 2013.

In FY 2014, LMA collected \$1,084,153 in penalties, which was a decrease of \$161,220 from FY 2013. This measure is often influenced by occasional, unusually large penalties. In FY 2013, there was a large penalty collected in Refuse Disposal that affected the penalty dollar amount. Despite the decrease overall, most programs increased their penalty amount collected. This is due to implementation of a more streamlined tracking and invoicing process.

LMA continues to oversee removal of scrap tires from illegal stockpiles across Maryland. At the end for FY 2014, there were 56 stockpiles with an estimated 307,573 tires remaining to be removed. One site with an estimated 214,400 tires has been scheduled for cleanup by FY 2016 using State funds.

In the Lead Poisoning Prevention Program, there was a very slight increase in the percentage of children statewide with blood lead levels equal to or greater than 10 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ).

**Land Management Administration  
Performance Measures Executive Summary**

|   | <u>2013 Totals</u> | <u>2014 Totals</u> |
|---|--------------------|--------------------|
| <u>PERMITTED SITES/FACILITIES</u>                       |                    |                    |
| Number of Permits/licenses Issued                       | 2,127              | 2,775              |
| Number of Permits/Licenses in Effect at Fiscal Year End | 9,011              | 8,970              |
| <u>OTHER REGULATED SITES/FACILITIES</u>                 |                    |                    |
| Other Sites   | 152,317            | 152,264            |
| <u>INSPECTIONS</u>                                      |                    |                    |
| Number of Sites Inspected                               | 29,387             | 33,588             |
| Number of Sites Audited but Not Inspected               | 3,045              | 3,670              |
| Number of Inspections, Audits, Spot Checks              | 47,663             | 52,705             |
| <u>ENFORCEMENT ACTIONS</u>                              |                    |                    |
| Number of Compliance Assistance Rendered                | 12,210             | 11,491             |
| Number of Enforcement Actions Taken                     | 1,152              | 868                |
| <u>PENALTIES</u>  |                    |                    |
| Amount of Administrative or Civil Penalties Obtained    | \$1,245,373        | \$1,084,153        |

# Land Restoration Program

## PURPOSE

The Land Restoration Program (LRP) protects public health and the environment by identifying sites that are, or potentially are, contaminated by controlled hazardous substances (CHS). Until 1997, Maryland placed sites where hazardous substances were released or possibly released on the State Master List and in the Disposal Site Registry. The sites were prioritized for remedial activities. Starting in 2013, the State Master List was revised and renamed. Newly identified sites are now recorded on the Brownfield Master Inventory (BMI) List - Active Site (Appendix H) or the Brownfield Master Inventory List - Archive Sites (Appendix I). The Brownfield Master Inventory List is available on MDE's website at:

<http://www.mde.maryland.gov/programs/Land/MarylandBrownfieldVCP/Pages/BrownfieldMasterInventory.aspx>

## AUTHORITY

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

STATE: Environment Article, Title 7, Subtitle 2; COMAR 26.14

## PROCESS

LRP conducts and/or oversees environmental assessment and cleanup projects in Maryland. The assessment activities include investigating and sampling sites to determine whether cleanup is necessary. If the identified contamination is determined to represent a risk to public health or the environment, remedial activities are conducted to address the sites contaminated by controlled hazardous substances. Assessments and cleanups are conducted based on available resources. The Disposal Site Registry includes all the sites for which the State performed a preliminary site assessment, determined hazardous waste is present, and shall use State funds to conduct remedial action as no viable responsible party has been identified. This list is updated annually. The Disposal Site Registry includes all the information and ranking set forth in Title 7-233(f)(2).

## SUCCESSSES/CHALLENGES

MDE maintains a list of potential hazardous waste sites in the State. Before the development of the Brownfield Master Inventory (BMI) in 2013, this list was known as the "State Master List." It included properties known by the State to be contaminated or potentially contaminated and includes sites on the federal CERCLIS and on EPA's Archive list. This list included sites that meet the brownfields definition. MDE also maintained a Site-Specific Assessments list, otherwise known as the State "Non-Master List" of sites. MDE completed 526 targeted Brownfield Assessment, Preliminary Site Assessments/Site Investigations (PA/SIs), and CHS Enforcement Division investigations between 1997 and 2014.

Beginning in FY 2013, MDE has transitioned to the BMI. The BMI list serves as the tool for tracking new and closed sites. As of July 22, 2014, there are 1,014 active sites and 804 archived sites on the BMI list, which includes Voluntary Cleanup Program sites; sites assessed using federal grant money; formerly used defense facilities; assessment and cleanup activities at sites subject to the CHS Response Plan; and sites identified as being

impacted by CHS but subject to other regulatory authorities such as the federal Corrective Action Program, the federal Toxic Substances Control Act or Maryland's Solid Waste Management Program.

The LRP is continuing to work with EPA on seven active private National Priority List (NPL) sites and one site that is being managed under the EPA's Superfund Alternative Site Initiative, which allows the Responsible Party to implement a NPL-caliber remediation without NPL listing. The Program also addresses ten Federal NPL sites, produced fifteen federally-funded screening reports, and conducted two preliminary assessments, six combined preliminary assessment / site investigations, one site investigation, three expanded site investigations, three Formerly Used Defense Sites (FUDS) preliminary assessments and one FUDS site investigation during FY 2014.

# Hazardous Waste

## PURPOSE

The federal Resource Conservation and Recovery Act (RCRA) established a national program of hazardous waste management. The Maryland Department of the Environment has been granted authorization by the U.S. Environmental Protection Agency (EPA) to be the primary implementer of most elements of the federal hazardous waste regulatory program in Maryland. Regulations implemented by MDE's Land Management Administration (LMA) govern management of hazardous waste from the point of initial generation through its final disposition by reuse, recycling, treatment, or disposal. Maryland's regulatory program includes elements that are more stringent and broader in scope than the federal program. Important elements of this regulatory program include the following:

- identification and tracking of hazardous waste handlers (generators, transporters, and operators of permitted facilities) through issuance of identification numbers and maintenance of a related database;
- detailed standards for hazardous waste management;
- tracking shipments of hazardous waste from generation to disposal through the hazardous waste manifest system;
- certification of transporters of hazardous waste;
- tracking waste generation and management through a biennial reporting requirement; a permitting program requiring permits for persons who treat hazardous waste from off-site, or operate a hazardous waste disposal unit; and
- compliance evaluation to assess compliance with applicable requirements, and institute enforcement actions and corrective measures as necessary.

## AUTHORITY

FEDERAL: Resource Conservation and Recovery Act (RCRA) - Subtitle C

STATE: Environment Article, Title 7, Subtitle 2; COMAR 26.13

## PROCESS

The LMA's Waste Diversion and Utilization Program (WDUP) is responsible for reviewing Controlled Hazardous Substance (CHS) Facility permit applications to treat, store or dispose hazardous waste. Through the permitting process, WDUP evaluates the permit applicant's ability to manage hazardous waste safely and in conformance with applicable regulatory requirements. The permit specifies all requirements that the permit holder is given when MDE receives a permit application. Tentative determinations by MDE to issue or deny an application for permit include opportunities for public review and comment. The permit holder is evaluated for compliance with the terms of the permit in compliance inspections of the permit holder's facility. During these inspections, compliance is evaluated by MDE's compliance and enforcement staff against all applicable hazardous waste regulatory requirements.

The Operational Services Program (OSP) is responsible for issuance of RCRA Subtitle C Site Identification Numbers (EPA ID Number), collecting and reporting the Biennial Report (BR) data, collecting and tracking manifests, and certification of transporters of CHS. OSP issues new EPA ID Numbers, updates information for existing EPA ID numbers, and submits this information to EPA's RCRAInfo database. OSP collects the BRs, which summarize

waste generated during each odd-numbered calendar year. BRs are analyzed and information reported by large-quantity generators (LQGs) is submitted to EPA. Manifests are completed when generated wastes are shipped off-site and copies are mailed to OSP for monitoring and tracking. Any transporter who picks up or drops off CHS must be certified as a hauler and have all vehicles/trailers certified. Failure to comply with Maryland and federal laws and regulations can result in corrective actions.

The Solid Waste Program (SWP) is responsible for compliance at hazardous waste facilities, which include permitted Treatment, Storage and Disposal (TSD) facilities and federally-defined large- and small-quantity generators (LQGs and SQGs). All permitted TSD facilities and those that receive off-site waste are inspected at least once a year. LQGs, defined by federal regulations as generating 2,200 pounds or more of hazardous waste in any calendar month, are inspected at least once every five years. New LQGs and those who have not been inspected in the last three years are first priorities. Maryland has about 455 LQGs and about 13,000 SQGs. Resource constraints limit inspections of SQGs to complaint-response situations.

## **SUCSESSES/CHALLENGES**

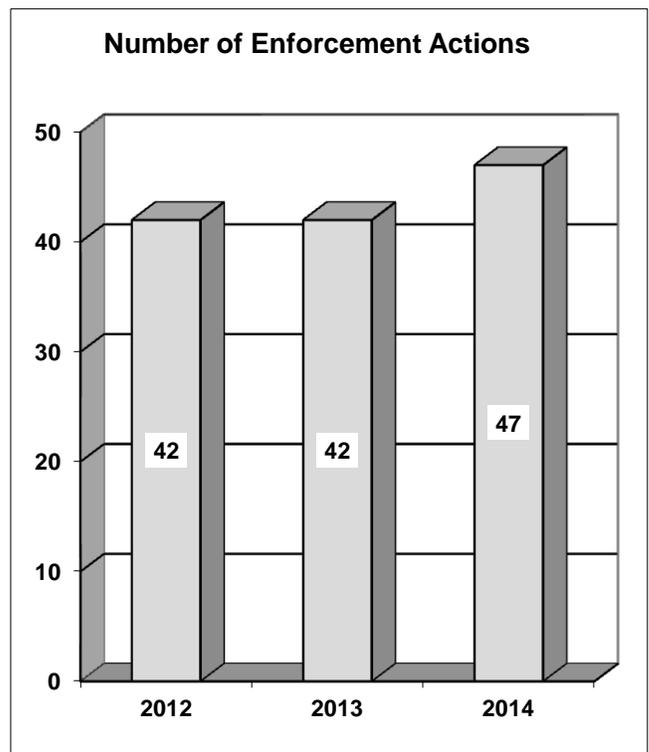
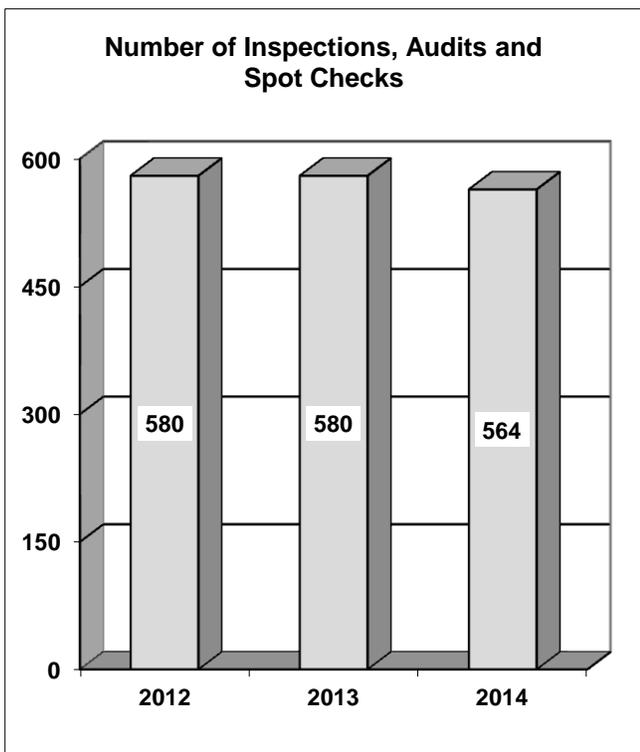
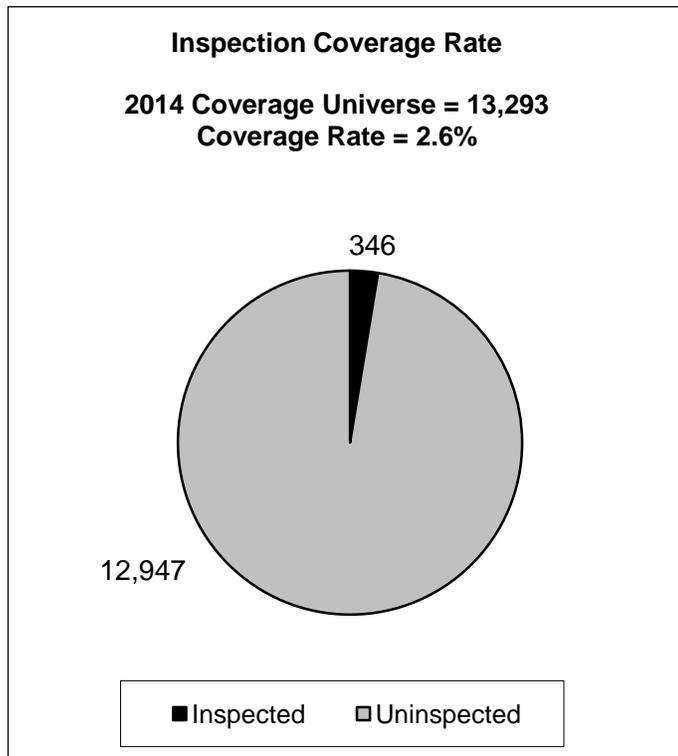
During FY 2014, the SWP's Compliance Division had a vacant inspector position for most of the fiscal year and as a result, the number of inspections decreased from 374 in FY 2013 to 346 in FY 2014 along with the inspection coverage rate which dropped slightly to 2.6% in FY 2014. Regardless of staffing, the Compliance Division enforcement actions increased from 42 in FY 2013 to 47 in FY 2014. The SWP's Compliance Division has returned to full staff and anticipates that inspection numbers and coverage rates will increase in FY 2015.

In October 2013, the OSP made CHS Hauler and Vehicle certification applications available electronically as well as set up a system to accept the applications and other required documents electronically. This successful transition has streamlined processing of the large volume of applications. OSP staff had previously been required to decipher hand writing in these lengthy documents in order to create a vehicle listing, making this a cumbersome and time-consuming process.

# Hazardous Waste

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/registrations issued   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/registrations in effect at fiscal year end                                 | 21  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Hazardous waste generators   | 13,293  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| New EPA ID numbers Issued  | 362   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)                               | 346   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected              | 83  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 429   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 519   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of off-site audits (captures number of reviews of file/submittals for compliance)     | 45  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of inspections, audits and spot checks  | 564   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 25  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 7%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                       | 2.6%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 54  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 94  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 39  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 187   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved   | 96  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing  | 91  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered   | 29  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">46</td> <td style="text-align: center;">0</td> <td style="text-align: center;">46</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td></td> <td></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 1 | 0 | 1 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 46 | 0 | 46 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 1   | 0              | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 46  | 0              | 46             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 1   | 0              | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 46  | 0              | 46             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$54,650  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

# Hazardous Waste



# Lead Poisoning Prevention

## PURPOSE

The Lead Poisoning Prevention Program (LPPP) oversees activities designed to reduce the incidence of childhood lead poisoning. These activities involve accreditation and oversight of lead abatement services contractors, maintenance of a registry of children with elevated blood lead levels (greater than or equal to 10 micrograms per deciliter), and enforcement of the statute and regulations. The Operational Services Program works closely with LPPP and is responsible for the maintenance of the registry of rental properties.

## AUTHORITY

FEDERAL: Toxic Substances Control Act

STATE: Environment Article, Title 6, Subtitles 3, 8 & 10; COMAR 26.16.01-.04 and Environment Article, Title 7, Subtitle 2; COMAR 26.02.07

## PROCESS

Maryland law requires that all blood lead level (BLL) test results be reported to MDE, which in turn reports all results for children at risk to the local Health Departments for case management. Through these BLL referrals and by other means of case referrals, if MDE discovers that an affected property (pre-1950 rental dwelling properties) does not meet the required standards of care (risk reduction, registration of the rental property, and distribution to tenants of two documents explaining tenant rights and the hazards of lead paint), appropriate corrective actions against a violating party may be taken. In order to meet the required standards of care, accredited third party inspectors and/or contractors may be hired to meet these compliance standards. MDE may perform oversight of these inspectors and/or contractors to ensure compliance with regulatory standards as outlined in the statute and regulations, so that further exposure to lead hazardous are kept to a minimum.

The Operational Services Program (OSP) regulates all affected properties (pre-1950 rental dwelling properties). OSP collects information from owners of affected properties and issues MDE tracking numbers for the purpose of registration, inspections, certification and annual renewals of affected properties.

## SUCSESSES/CHALLENGES

Lead data is collected on a calendar-year basis. During CY 2013 a total of 110,082 (21.2%) children were tested from a universe of 518,865 children 0-72 months of age, as identified in the Maryland census population for 2010. This was a decrease of 457 children tested compared to 110,539 (21.7%) children tested of a population of 509,885 in CY12. The population of children 0-72 months of age increased from CY12 to CY13 by 8,980 children.

Of those 110,082 children tested in CY13, a total of 371 (0.3%) were identified with a venous or capillary blood lead level > 10 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ). This was an increase of 7 children compared to 364 (0.3%) during CY12. Children identified with a first-time venous or

capillary blood lead level > 10 µg/dL during CY13 totaled 304 (0.3%). This was an increase of 49 children with a new Incidence case compared to 255 (0.2%) in CY12.

The number of compliance inspections performed by MDE inspectors decreased from 3,083 in FY 2013 to 2,530 in FY 2014. The drop in numbers was a direct result of the program having three inspector vacancies during most of FY 2014. The Program continues to build compliance partnerships with other government agencies statewide. This coordination has allowed the Program to do more targeted enforcement.

The program is reporting fewer enforcement actions this fiscal year; this decrease is primarily due to a change in the method used to track these numbers. In previous years some types of enforcement actions were counted in two different categories, which resulted in an over-count of these actions. Inspector vacancies have also contributed to the decline in enforcement actions.

The inspection coverage of the regulated community increased from 19% in FY 2013 to 22% in FY 2014. The increase in the coverage rate was a result of an increase in the reported inspections by MDE-accredited lead inspectors. These accredited third-party inspectors provide an important role in compliance with the lead paint laws in Maryland. Accredited inspectors are hired by property owners primarily to perform lead inspections required by law on pre-1950 residential rental properties. Inspections are mandated before tenants move into pre-1950 residential rental units. The results of their inspections are submitted to MDE; MDE does not directly control the activities of these accredited inspectors.

# Lead Poisoning Prevention

| Performance Measure   | TOTAL          |                |       |
|---|----------------|----------------|-------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |       |
| Number of permits/registrations issued (accreditations)   | 1,236          |                |       |
| Number of permits/registrations (accreditations) in effect at fiscal year end                               | 2,481          |                |       |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                |                |       |
| Rental dwelling units registered this year  | 74,982         |                |       |
| Total rental dwelling units in registered properties*   | 102,816        |                |       |
| Affected properties as of end FY  | 134,530        |                |       |
| <b>INSPECTIONS</b>  |                |                |       |
| Number of sites inspected ("inspected" defined as at the site)  |                |                |       |
| By accredited lead paint service providers  | 27,397         |                |       |
| By MDE  | 2,530          |                |       |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 9              |                |       |
| Number of sites evaluated for compliance (sum of the three measures above)                                  | 29,936         |                |       |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      |                |                |       |
| By accredited lead paint service providers  | 27,397         |                |       |
| By MDE  | 3,168          |                |       |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 9              |                |       |
| Number of inspections, audits, spot checks (sum of the three measures above)                                | 30,574         |                |       |
| <b>COMPLIANCE PROFILE</b>   |                |                |       |
| Number of inspected sites/facilities with significant violations  | 312            |                |       |
| Percentage of inspected sites/facilities with significant violations **                                     | 12%            |                |       |
| Inspection coverage rate (number of sites inspected/coverage universe) ***                                  | 22%            |                |       |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |       |
| Number of significant violations involving environmental or health impact                                   | 630            |                |       |
| Number of significant violations based on technical/preventative deficiencies                               | 0              |                |       |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 809            |                |       |
| Total number of significant violations (sum of the three measures above)                                    | 1,439          |                |       |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |       |
| Resolved  | 738            |                |       |
| Ongoing   | 701            |                |       |
| <b>ENFORCEMENT ACTIONS****</b>  |                |                |       |
| Number of compliance assistance rendered  | 50             |                |       |
|   | Administrative | Civil/Judicial | Total |
| Number of show cause, remedial, corrective actions issued   | 246            | 0              | 246   |
| Number of stop work orders  | 0              | 0              | 0     |
| Number of injunctions obtained  | 1              | 0              | 1     |
| Number of penalty and other enforcement actions   | 233            | 0              | 233   |
| Number of referrals to Attorney General for possible criminal action  | 5              |                |       |
| Number of SEPs entered into / units affected  | 9/201          |                |       |
| <b>PENALTIES</b>  |                |                |       |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$541,608      |                |       |

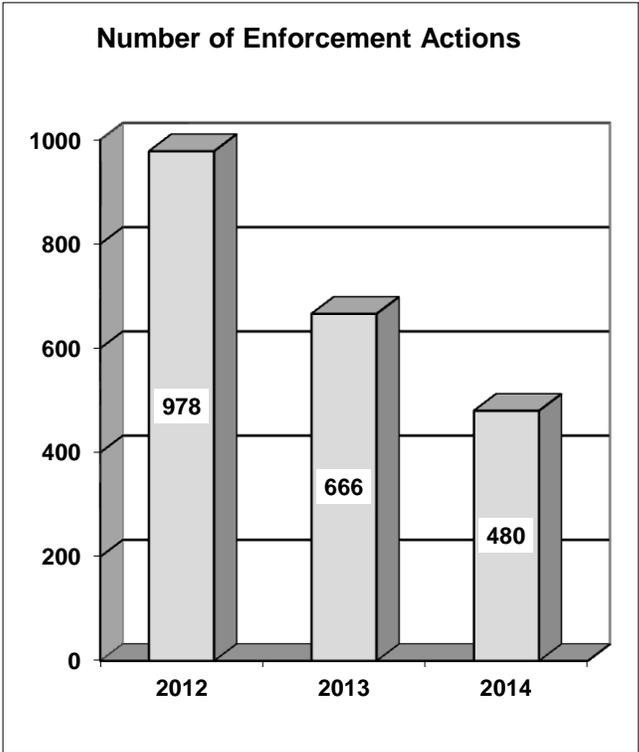
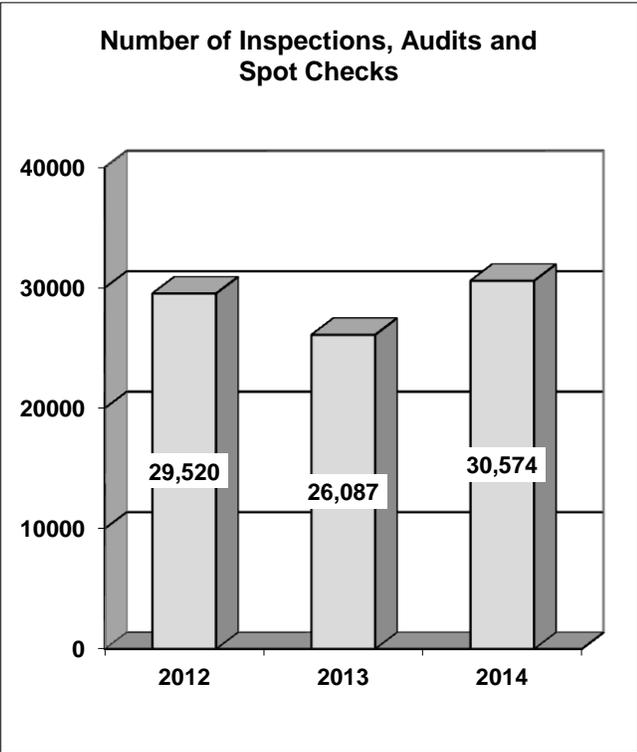
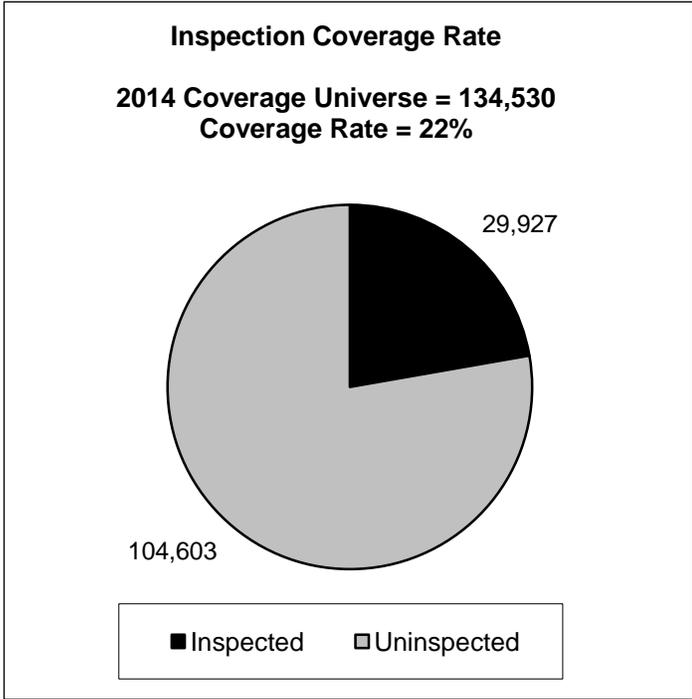
\* This total number also includes government fee exempt units.

\*\* Significant violation percentage is based on MDE inspections only.

\*\*\*Inspection coverage rate includes MDE and third-party inspections.

\*\*\*\*There was a change in tracking method starting in FY 2013

# Lead Poisoning Prevention



# Oil Control Program - Aboveground Facilities

## **PURPOSE**

The Oil Control Program (OCP) performs a broad range of activities related to the safe handling, storage, and remediation of petroleum products. OCP issues permits and performs oversight of aboveground storage facilities, transportation facilities, and oil-contaminated soil treatment facilities. Permits are also issued by OCP for the discharge of treated oil-contaminated water. In addition, OCP issues licenses and collects fees for the import of petroleum products into Maryland.

## **AUTHORITY**

STATE: Environment Article, Title 4, Subtitle 4; COMAR 26.10

## **PROCESS**

The OCP is responsible for reviewing permit applications, inspecting sites prior to writing permits, and issuing Oil Operation Permits for facilities handling oil in Maryland. The site visits may also lead to the discovery of compliance violations. During inspections, facility conditions are documented and the permittee is advised of the status of compliance. If corrective action is warranted, the facility is directed in accordance with MDE guidelines and procedures. The OCP also responds to aboveground oil spills throughout the State. In addition, the OCP licenses entities that transfer oil into Maryland and collects a fee on the transfer.

## **SUCSESSES/CHALLENGES**

The combination of compliance assistance, regular permit application review, and enforcement continues to result in good management of aboveground storage tanks containing petroleum. Permit application reviews and permit renewal site visits continue to reveal violations that, if left unaddressed would result in a release to the environment or other emergency at a facility.

The number of aboveground oil storage facility sites inspected by the Oil Control Program decreased from 428 in FY 2013 to 369 facilities inspected in FY 2014. The number of permits/licenses issued this fiscal year decreased from 275 in FY 2013 to 308 in FY 2014. The OCP lost one of two permit engineers, which has and will continue to affect aboveground storage facility permits processing time and inspections.

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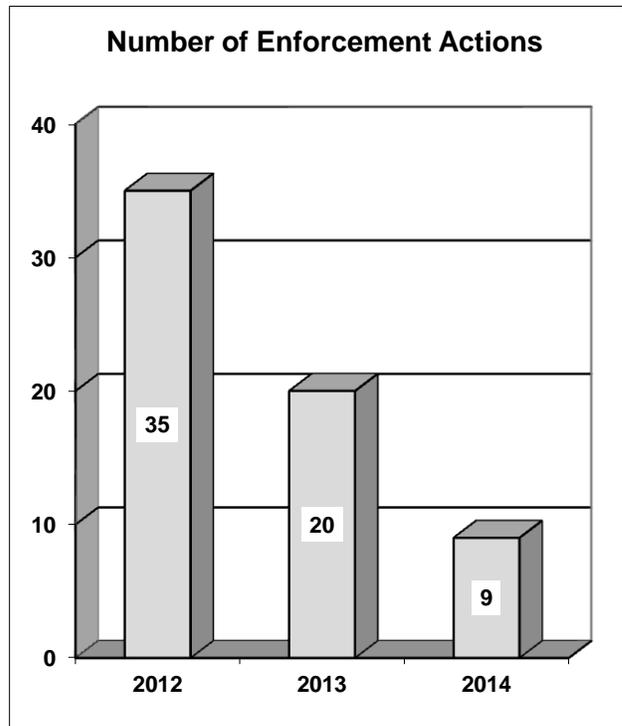
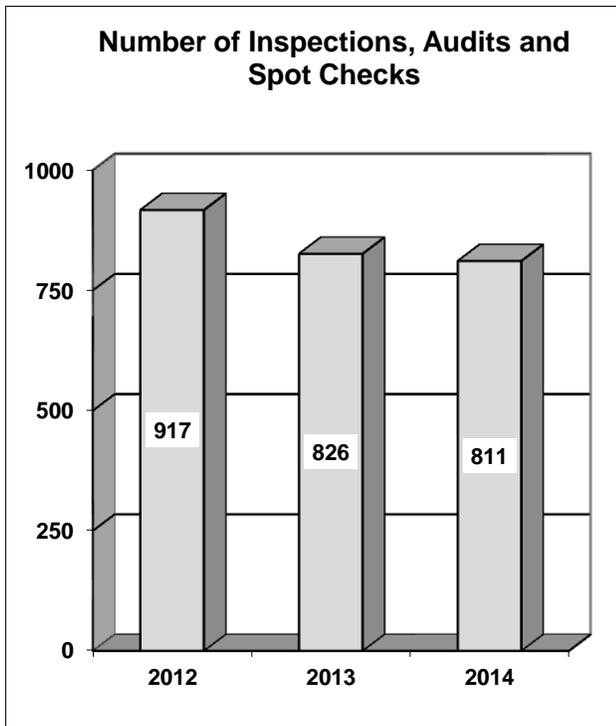
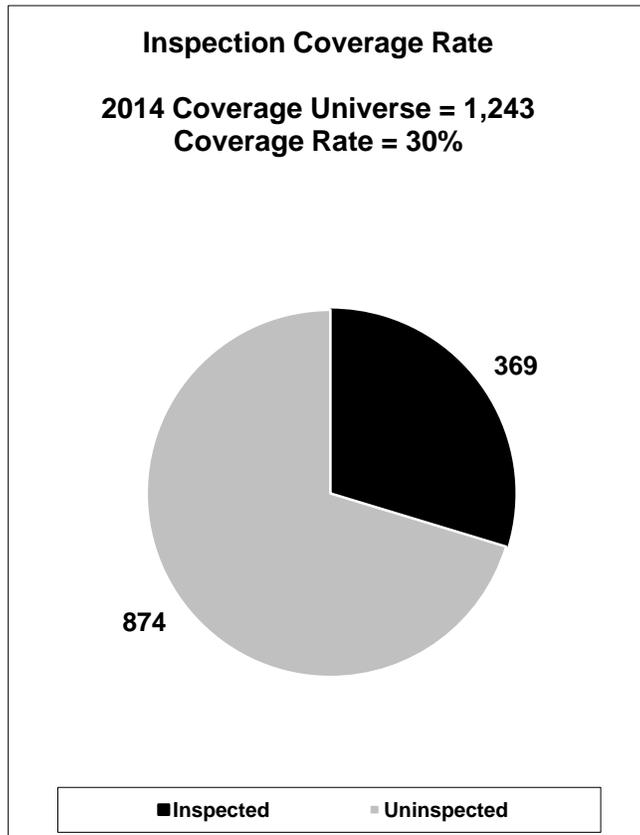
## OCP - Aboveground Facilities

| Performance Measure  |                |                | TOTAL   |
|--|----------------|----------------|---------|
| <b>PERMITTED SITES/FACILITIES</b>  |                |                |         |
| Number of permits/licenses issued  |                |                | 308     |
| Number of permits/licenses in effect at fiscal year end*                                     |                |                | 1,243   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |                |                |         |
| Oil Transfer Licenses  |                |                | 276     |
| <b>INSPECTIONS</b>   |                |                |         |
| Number of sites inspected ("inspected" defined as at the site)                               |                |                | 369     |
| Number of sites receiving off-site audits and record reviews, but not inspected              |                |                | 1       |
| Number of sites evaluated for compliance (sum of the two measures above)                     |                |                | 370     |
| Number of inspections, spot checks (captures number of compliance activities at sites)       |                |                | 759     |
| Number of audits (captures number of reviews of file/submittals for compliance)              |                |                | 52      |
| Number of inspections, audits, spot checks (sum of the two measures above)                   |                |                | 811     |
| <b>COMPLIANCE PROFILE</b>  |                |                |         |
| Number of inspected sites/facilities with significant violations                             |                |                | 4       |
| Percentage of inspected sites/facilities with significant violations                         |                |                | 1%      |
| Inspection coverage rate (number of sites inspected/coverage universe)**                     |                |                | 30%     |
| <b>SIGNIFICANT VIOLATIONS</b>  |                |                |         |
| Number of significant violations involving environmental or health impact                    |                |                | 4       |
| Number of significant violations based on technical/preventative deficiencies                |                |                | 0       |
| Number of significant violations carried over awaiting disposition from previous fiscal year |                |                | 5       |
| Total number of significant violations (sum of the three measures above)                     |                |                | 9       |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |                |                |         |
| Resolved   |                |                | 6       |
| Ongoing  |                |                | 3       |
| <b>ENFORCEMENT ACTIONS</b>   |                |                |         |
| Number of compliance assistance rendered   |                |                | 807     |
|  | Administrative | Civil/Judicial | Total   |
| Number of show cause, remedial, corrective actions issued                                    | 1              | 0              | 1       |
| Number of stop work orders   | 0              | 0              | 0       |
| Number of injunctions obtained   | 0              | 0              | 0       |
| Number of penalty and other enforcement actions  | 8              | 0              | 8       |
| Number of referrals to Attorney General for possible criminal action                         |                |                | 0       |
| <b>PENALTIES</b>   |                |                |         |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    |                |                | \$9,100 |

\* Permits/licenses. This includes aboveground storage tanks and oil-contaminated soil operations. The Oil (Contaminated Soil) Operations Permit is issued to facilities that store and/or treat soil contaminated with petroleum product from underground storage tank leaks or surface spills. Due to the small number of facilities involved, these numbers were incorporated into the Oil Aboveground Facilities numbers beginning in FY 1999.

\*\* Coverage rate above is computed as the total number of permitted sites inspected and dividing that by the sum of the total number of permits/licenses in effect.

# OCP - Aboveground Facilities



# Oil Control Program - Pollution Remediation Activities

## **PURPOSE**

The Oil Control Program (OCP) oversees remediation activities at sites where petroleum products have been discharged and are impacting soil or groundwater. The oversight ensures that responsible parties remediate the site in a timely manner, protecting the public's health and the environment. The majority of sites are gasoline service stations, both operating and closed. Sites also include businesses that have their own petroleum distribution systems for use in vehicle fleets and commercial and residential heating oil systems.

## **AUTHORITY**

FEDERAL: Resource Conservation and Recovery Act - Subtitle I

STATE: Environment Article, Title 4, Subtitle 4; COMAR 26.10

## **PROCESS**

When a release of petroleum product is reported to OCP, a team of specialists is assigned to the investigation. Groundwater and soil cleanups are highly technical in nature and require detailed attention. The team will prioritize the response to the spill based on multiple factors including the product type, amount released, and the potential impact on the health of the public and the environment. Most remedial sites will require frequent inspections and meetings. During inspection the responsible party will be advised of the direction of the cleanup and status of compliance. Each site is in violation by virtue of the fact that a release has occurred and corrective action will be performed in accordance with MDE's guidelines and procedures. If necessary, enforcement actions are taken if the responsible party is not complying with cleanup orders.

## **SUCCESSSES/CHALLENGES**

Multiple site visits are needed to ensure compliance with approved corrective action plans, especially at release sites that could impact drinking-water wells. OCP has found that a strong field presence and frequent communication with the responsible party increases compliance. This approach has more often than not resulted in the containment of releases to the property where they occurred. For those that have already migrated off the site, the implementation of a remedial response prevents further migration.

The OCP has reduced the number of active remediation sites from 914 in FY 2013 to 799 in FY 2014. This continued decrease in active remediation cases is due to a strong underground storage tank compliance program (prevention) and having committed and technically-proficient staff managing the cleanups.

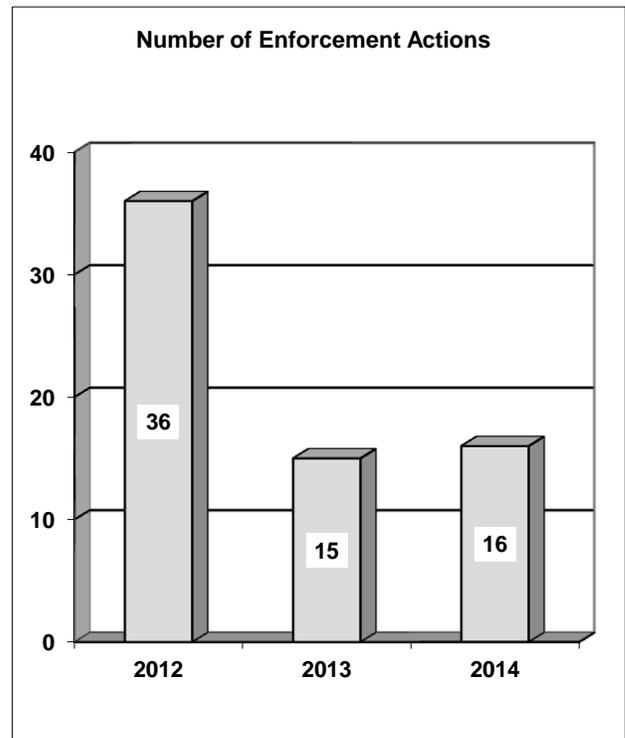
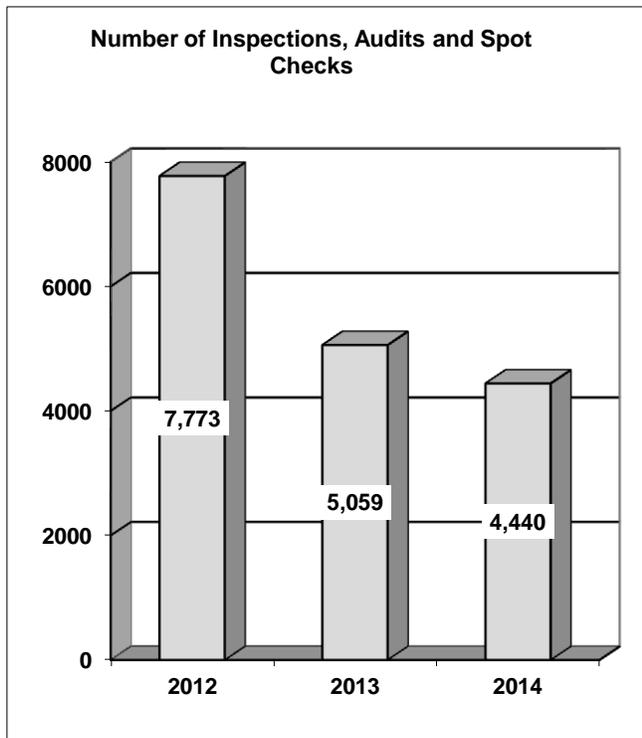
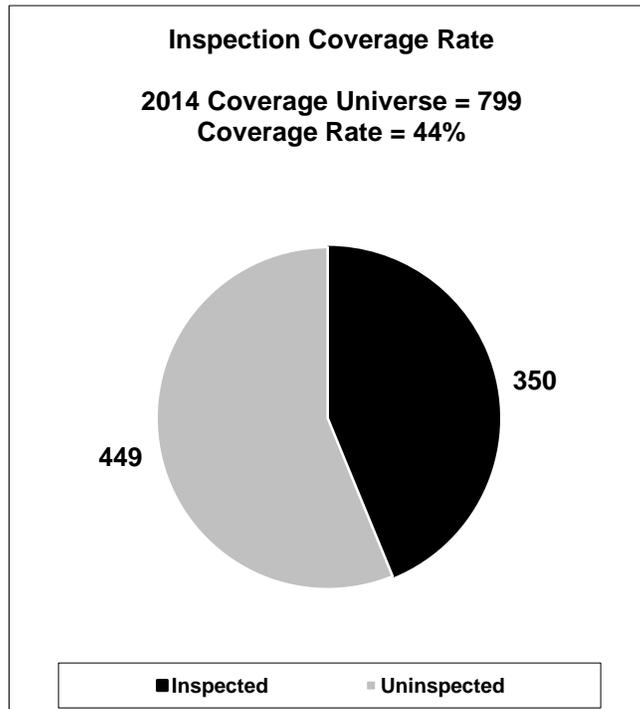


## Oil Pollution Remediation Activities

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses issued   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Groundwater remediation sites active at fiscal year end*  | 799   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)  | 350   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 634   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 984   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 1,177   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 3,263   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 4,440   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 2%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 44%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 12  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved  | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing   | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered  | 4,434   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">16</td> <td style="text-align: center;">0</td> <td style="text-align: center;">16</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 16 | 0 | 16 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 16  | 0              | 16             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$203,200   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

\* This number is only sites that are active at the end of the fiscal year. Additional sites that open and close within the year, and sites that are evaluated but do not lead to an open remediation case, are not counted in this number, but they are counted as compliance evaluations.

# Oil Pollution Remediation Activities



# Oil Control Program – Underground Storage Tank Systems

## **PURPOSE**

The Oil Control Program inspects underground storage tanks (UST) with the goal of reducing the incidence and severity of releases associated with the storage of regulated substances in USTs. This is accomplished by ensuring compliance with operational requirements including: release detection; corrosion protection; overfill prevention; financial responsibility requirements; and construction standards. Sites can include service stations, oil terminals, hospitals, schools, military facilities, and marinas.

## **AUTHORITY**

FEDERAL: Resource Conservation and Recovery Act - Subtitle I

STATE: Environment Article, Title 4, Subtitle 4; COMAR 26.10

## **PROCESS**

The State of Maryland requires all regulated UST systems be registered with MDE. In addition, all UST system technicians, removers and inspectors must pass a test given by MDE and maintain a certification. Every three years, at a minimum, each federally regulated UST system is inspected as required by EPA. A tank owner is required to hire a certified third party inspector to complete the inspection. When violations are found a MDE inspector will conduct a follow up inspection and issue corrective action if warranted.

## **SUCCESSSES/CHALLENGES**

The EPA requires that UST facilities be inspected once every three years. The OCP has consistently met this requirement by inspecting more than one third of the UST facilities (1,198/2,971) annually. The facilities inspected continue to show a high compliance rate that is above the national average, due at least in part to the continuing education of MDE-certified private inspectors, and to followup activities performed by MDE inspectors.

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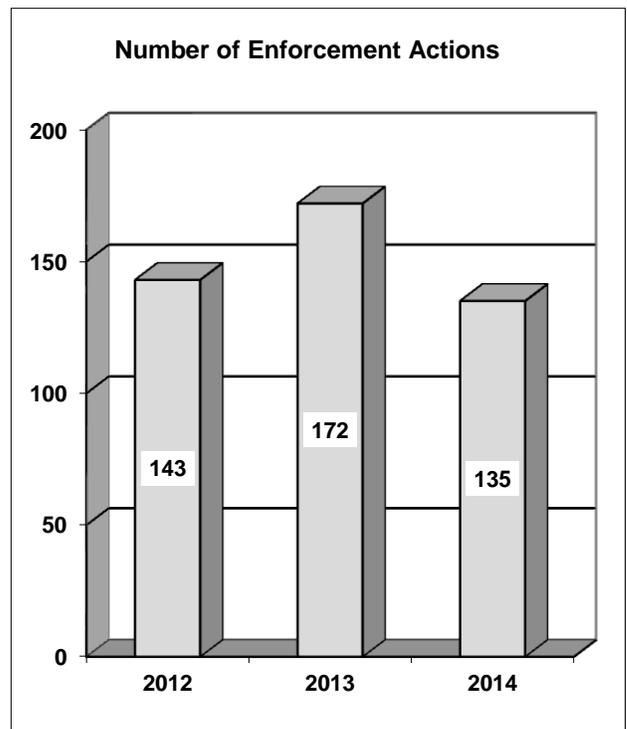
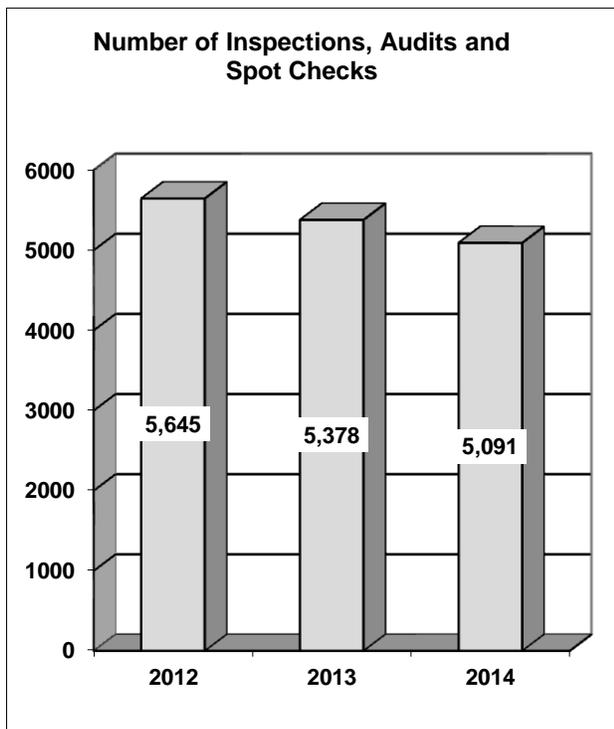
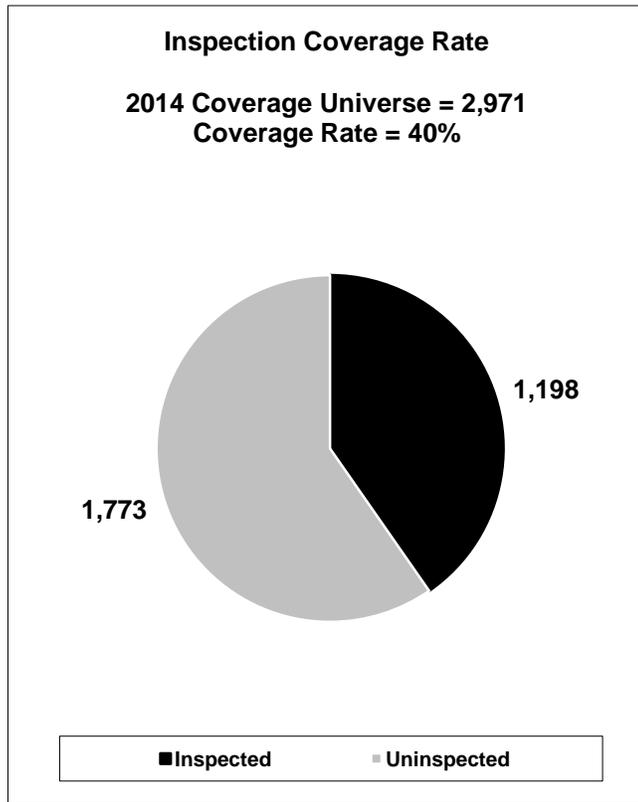
# Oil Underground Storage Tank Systems

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|----|---|----|--------------------------------|---|---|---|---|-----|---|-----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of permits/licenses issued  | 197   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end*                                     | 400   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Registered UST facilities  | 2,971   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)                               | 1,198   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected.             | 27  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 1,225   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 3,579   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 1,512   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                   | 5,091   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 61  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 5%  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)**                     | 40%   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 61  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 0   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 57  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 118   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Resolved   | 52  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Ongoing  | 66  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of compliance assistance rendered   | 6,047   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">17</td> <td style="text-align: center;">0</td> <td style="text-align: center;">17</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">113</td> <td style="text-align: center;">0</td> <td style="text-align: center;">113</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td></td> <td></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 5 | 0 | 5 | Number of stop work orders | 17 | 0 | 17 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 113 | 0 | 113 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 5   | 0              | 5              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of stop work orders   | 17  | 0              | 17             |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of penalty and other enforcement actions  | 113   | 0              | 113            |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 5   | 0              | 5              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of stop work orders   | 17  | 0              | 17             |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of penalty and other enforcement actions  | 113   | 0              | 113            |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$45,513  |                |                |                |       |   |   |   |   |                            |    |   |    |                                |   |   |   |   |     |   |     |  |  |  |   |

\* Certified UST technicians and removers are part of the regulated community and, therefore, the inspection universe, and were included in this report starting in FY 2000.

\*\* Coverage rate is computed as the total number of sites inspected divided by the total number of registered UST sites. Technician and Remover Certifications are part of the Program's universe. However, this number is not included in coverage rate in order not to bias the evaluation of the Program's goal to visit each underground storage tank system on a routine basis.

# Oil Underground Storage Tank Systems



# Refuse Disposal

## PURPOSE

Improper handling of society's byproducts in the form of domestic, commercial and industrial wastes can pose direct threats to the public health and the quality of Maryland's water resources. The Solid Waste Program (SWP) is responsible for the review of the technical information needed to support application for new solid waste disposal facilities and coal combustion by-product (CCB) landfills. Inspections and enforcement of regulations are conducted routinely at permitted and unpermitted disposal facilities, CCB landfills, CCB storage sites and for CCB transportation vehicles. Regulated solid waste acceptance facilities include municipal landfills, rubble landfills, land-clearing debris landfills, non-hazardous industrial waste landfills, municipal incinerators, solid waste processing facilities and transfer stations. Corrective action will be performed in accordance with MDE's guidelines and procedures if violations are found.

## AUTHORITY

FEDERAL: Resource Conservation and Recovery Act - Subtitle D; 40 CFR 257 and 258

STATE: Environment Article, Title 9, Subtitle 2; COMAR 26.04.07, 26.04.10

## PROCESS

Permits are required for the construction and operation of solid waste acceptance facilities. The permit review activities cover a broad range of environmental and engineering elements to ensure state-of-the-art techniques protect the public health and environment. MDE geologists and engineers review groundwater monitoring and soil gas data required by the permit to detect aqueous and gaseous pollutants, which may be migrating through the ground from landfills and dumpsites. When releases are detected, plans for landfill caps, groundwater and gas extraction, and treatment systems are required and subject to MDE's review and approval prior to implementation. Routine unannounced inspections are performed to ensure compliance. Inspectors also inspect complaints regarding unpermitted facilities and open dumps. Inspections and investigations are conducted to find, stop and clean up illegal dumps and reduce the problems they cause, including odor, soil erosion, discharge of pollutants to surface water, and groundwater pollution. If violations are found, corrective actions are conducted in accordance with MDE's guidelines and procedures.

## SUCCESSSES/CHALLENGES

The SWP's Compliance Division inspection numbers fell across all categories due to an inspector vacancy for most of FY 2014. Overall, the inspection coverage rate decreased from 100% in FY 2013 to 92% in FY 2014. The number of site inspections decreased from 265 in FY 2013 to 225 in FY 2014. The total number of inspections, audits and spot checks decreased from 1,370 in FY 2013 to 1,328 in FY 2014. Refuse Disposal enforcement actions decreased from 121 in FY 2013 to 73 in FY 2014.

A challenge moving forward is the fact that the SWP inspectors will be utilizing a new inspection reporting database (TRIP) that will require significant testing and training. As a

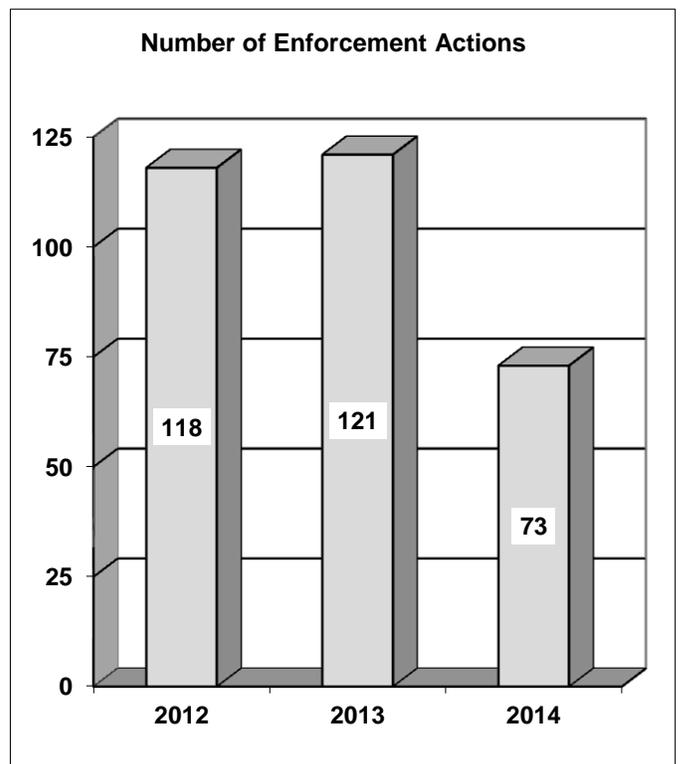
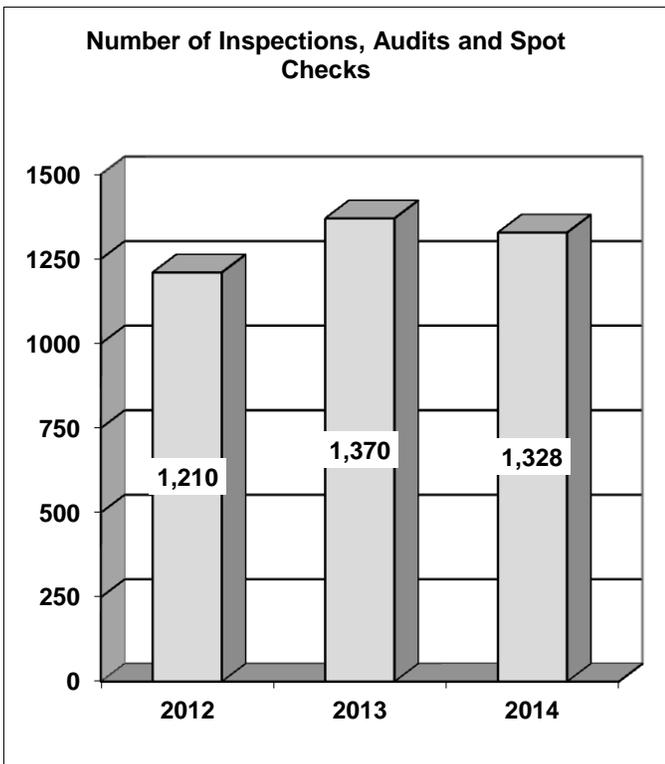
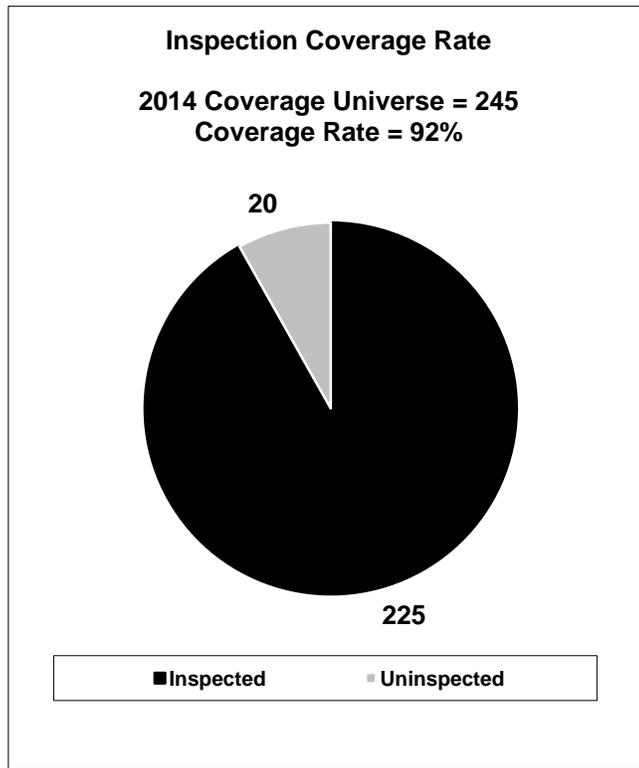
result, it is foreseen that inspection numbers throughout SWP's Compliance Division may be lower in FY 2015.

# Refuse Disposal

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses issued  | 17  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end*                                     | 103   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Unpermitted sites  | 142   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)**                             | 225   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected.             | 42  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 267   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 1,096   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 232   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                   | 1,328   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 56  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 25%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                       | 92%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 131   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 10  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 186   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 327   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved   | 167   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing  | 160   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered   | 8   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">6</td> <td style="text-align: center;">0</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">65</td> <td style="text-align: center;">0</td> <td style="text-align: center;">65</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">1</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 6 | 0 | 6 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 2 | 0 | 2 | Number of penalty and other enforcement actions | 65 | 0 | 65 | Number of referrals to Attorney General for possible criminal action |  |  | 1 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 6   | 0              | 6              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained   | 2   | 0              | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 65  | 0              | 65             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 6   | 0              | 6              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained   | 2   | 0              | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions  | 65  | 0              | 65             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$108,212   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

\* There were 18 active groundwater discharge permits for unlined rubble landfills during FY 2014.

# Refuse Disposal



# Scrap Tires

## **PURPOSE**

Licenses and approval are required for the hauling, collection, storage, processing, recycling, and burning (tire-derived fuel) of scrap tires. These licenses and approvals ensure that scrap tires are managed in a manner protective of public health and the environment. In coordination with Maryland Environmental Service (MES), MDE arranges for cleanup of illegal scrap tire dumps. Enforcement actions may be taken to ensure compliance with the scrap tire laws, regulations, and license and approval conditions.

## **AUTHORITY**

STATE: Environment Article, Title 9, Subtitle 2;  
Environment Article, Title 10, Nuisance Abatement;  
COMAR 26.04.08

## **PROCESS**

Any person, who collects, stores, hauls as part of a commercial business, recycles, or processes scrap tires require the appropriate license or approval. To obtain a license or approval, a person must submit a completed application and the required information. MDE may conduct a public information meeting on certain types of license or approval applications.

MDE requires property owners to cleanup illegally stockpiled scrap tires. Depending on available revenue, a State special fund can be used when a landowner fails to cleanup a scrap tire dump. Cost recovery from the landowner or other identifiable responsible party for all costs associated with the cleanup is required, unless the owner qualifies for an inheritance exemption. Corrective orders and penalties may be issued for violations in accordance with MDE's guidelines and procedures.

## **SUCCESSSES/CHALLENGES**

The Program continued the cleanup of scrap tires from illegal stockpiles. New stockpiles continue to be discovered every year and during FY 2014 a total of 26 new sites containing approximately 5,301 scrap tires were discovered. A total of 23 stockpiles were cleaned up in FY 2014 resulting in the removal of 12,163 scrap tires. Since the inception of the Scrap Tire Program in 1992, 10,634,166 scrap tires have been cleaned up from 977 stockpiles. At the end of FY 2014, there were 56 stockpiles containing just over 307,573 scrap tires remaining to be cleaned up, 214,400 of which were located at one site, which is scheduled to be cleaned up using State funds during FY 2016.

Scrap tire inspections are performed by inspectors in the Solid Waste Program. Larger scrap tire facilities are inspected more frequently than smaller ones through routine unannounced inspections. Inspectors also investigate citizen complaints about illegal dumping or handling of scrap tires. The number of scrap tire site inspections conducted decreased from 508 in FY 2013 to 461 in FY 2014. The inspection coverage rate in FY 2014 decreased to 15% from 16% in FY 2013. Inspections performed and inspection coverage rate declined due to the SWP's Compliance Division having two inspector vacancies during most of FY 2014.

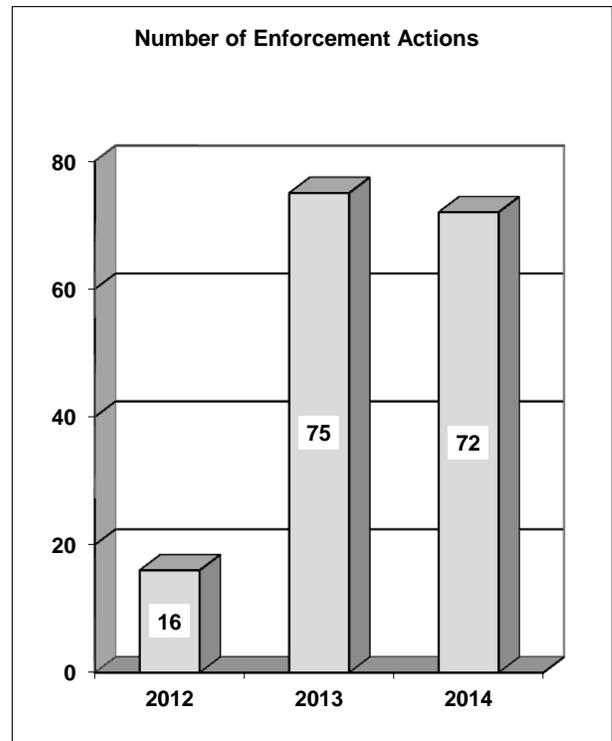
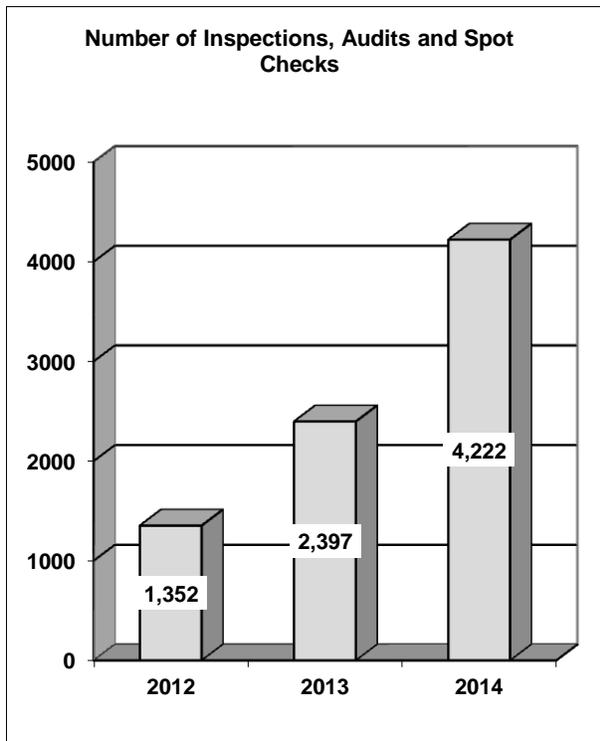
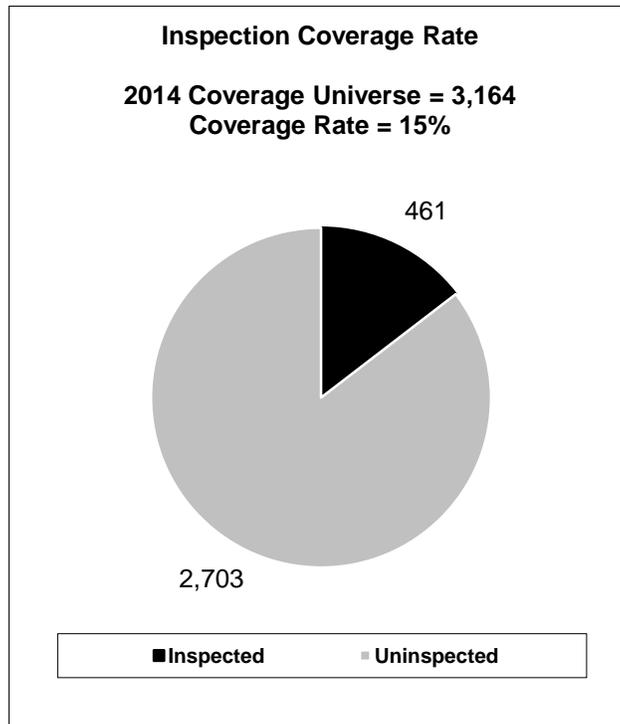
A challenge SWP inspectors are facing now and moving forward is the fact that they are utilizing a new inspection reporting database (TRIP) that requires development, testing and training. As a result, it is foreseen that inspection numbers throughout the SWP's Compliance Division may be lower in FY 2015.

# Scrap Tires

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/registrations issued  | 644   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/registrations in effect at fiscal year end  | 3,107   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Stockpiles with removal activities during the fiscal year   | 57  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)  | 461   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 2,127   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 2,588   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 671   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 3,551   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 4,222   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 69  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 14%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)*                                     | 15%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 29  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 69  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 55  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 153   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved  | 96  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing   | 57  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">72</td> <td style="text-align: center;">0</td> <td style="text-align: center;">72</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">2</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 72 | 0 | 72 | Number of referrals to Attorney General for possible criminal action |  |  | 2 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 72  | 0              | 72             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 72  | 0              | 72             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 2              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |   |                | \$3,120        |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

\* Coverage rate above is computed as the total number of sites inspected divided by the total number of permits/licenses in effect plus the number of stockpiles with removal activities.

# Scrap Tires



# Sewage Sludge Utilization

## **PURPOSE**

Sewage Sludge (also known as biosolids) is not sewage. It is one of the final products of the treatment of sewage at a wastewater treatment plant. A Sewage Sludge Utilization (SSU) Permit is required for any person who treats, composts, transports, stores, distributes, applies to land, incinerates, conducts innovative or research projects or disposes of sewage sludge in Maryland. The purpose of the permits is to ensure that sewage sludge is managed in a manner that is protective of public health and the environment. Sewage sludge utilized in Maryland is applied on agricultural and reclamation sites, pelletized, landfilled, or incinerated.

## **AUTHORITY**

STATE: Environment Article, Title 9, Subtitle 2; COMAR 26.04

## **PROCESS**

A person must submit a completed application and the required information. A person applying for a SSU Permit to apply treated sewage sludge on agriculture land must submit a nutrient management plan (NMP) in accordance with the Maryland Department of Agriculture (MDA) requirements. Copies of SSU Permit Applications are provided to local governments for their review, comments, and depending on the type of activity, an opportunity for public meeting.

Composting facilities, pelletizers, and storage facilities are inspected several times per year. Landfill disposal operations are inspected during the course of routine landfill inspections. Land application sites are inspected when the workload allows or when complaints are received. Inspectors may recommend corrective actions, if any are required. If a significant violation is found, site complaints are issued. Corrective orders and penalties may be issued for violations in accordance with MDE's guidelines and procedures. Inspectors also investigate citizens' complaints about sewage sludge utilization.

## **SUCCESSSES/CHALLENGES**

On May 26, 2014, the new Sewage Sludge Management Regulations went into effect. The new regulations incorporated MDA's updated nutrient management requirements. EPA's regulations relating to treatment and land application standards, streamlined the SSU Permit application review process.

In FY 2014, the SWP's Compliance Division along with personnel from the Waste Diversion and Utilization Program (WDUP) Sewage Sludge Treatment and Monitoring Unit were successfully able to increase the number of sites inspected, and sites receiving audits when compared to last year. The only statistic to see a slight decrease was the number of inspections/spot checks which decreased from 324 in FY 2013 to 281 in FY 2014. This decrease was due to MDA regulation changes which caused the cessation of the fall and winter applications and as a result, affected the number of active sites that could be inspected.

A challenge SWP inspectors are facing now and moving forward is the fact that they are utilizing a new inspection reporting database (TRIP) that requires development, testing and training. As a result, it is foreseen that inspection numbers throughout the SWP's Compliance Division may be lower in FY 2015.

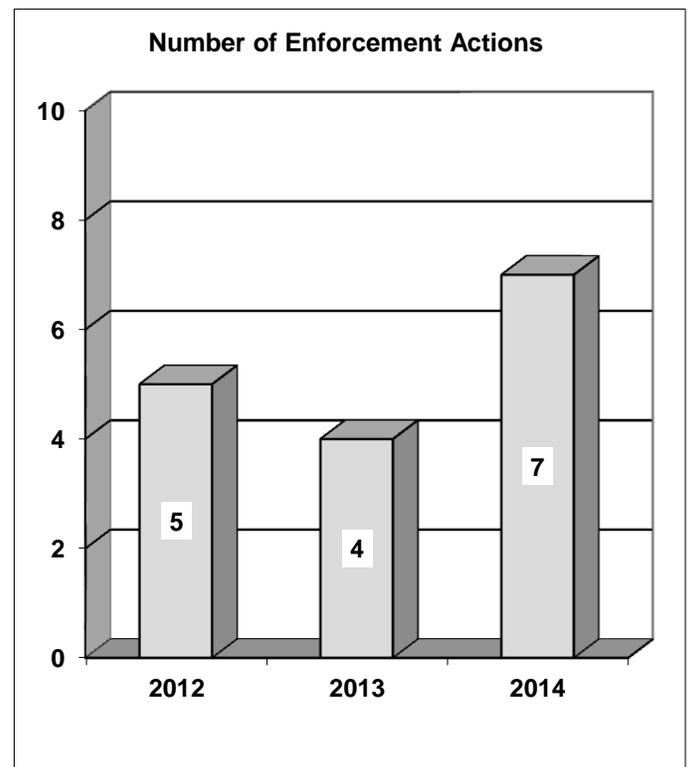
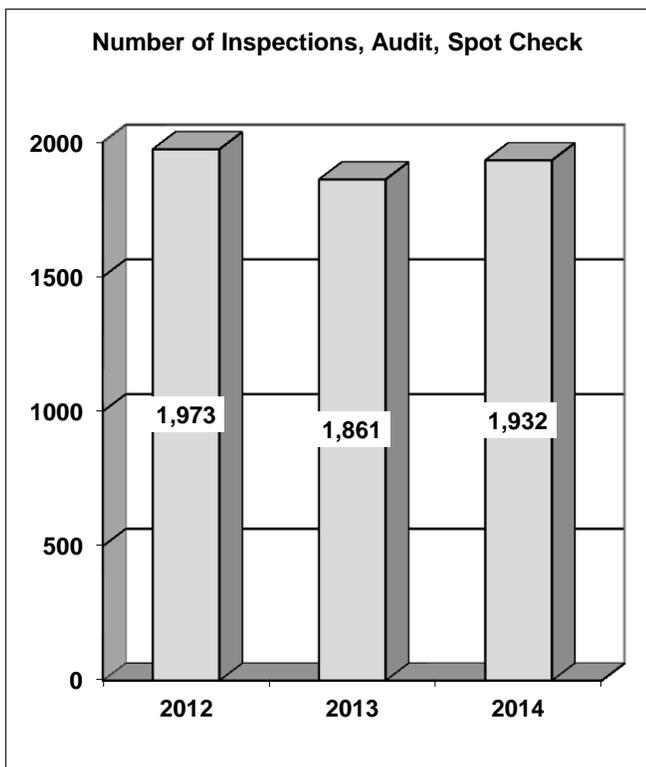
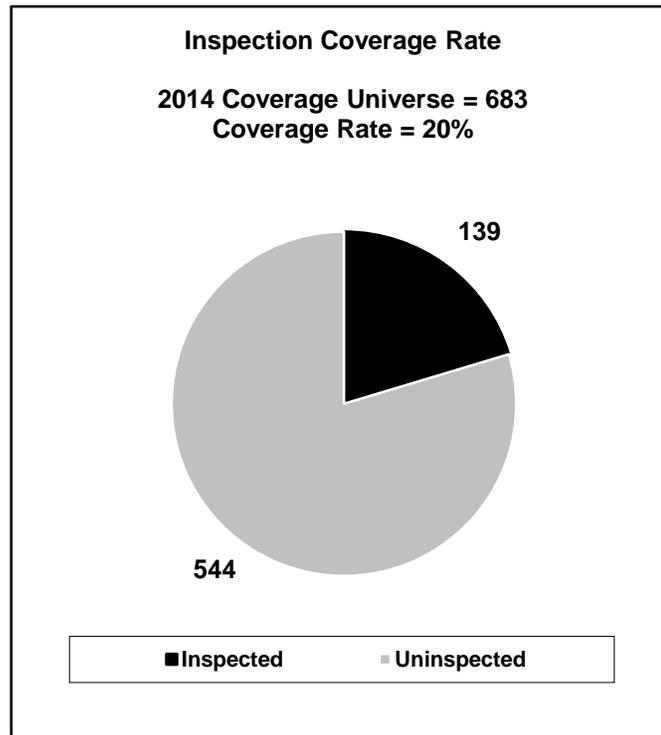
When considering the coverage rate for sewage sludge utilization sites, it should be noted that many of these sites are farm fields that may only receive sewage sludge once or twice during a five-year permit life. Inspection efforts are concentrated toward those sites that are active during the year. The Program will continue reporting the total coverage value for consistency with past values, and for comparison to other programs.

# Sewage Sludge Utilization

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations issued   | 95  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations in effect at fiscal year end                                 | 630   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Unpermitted sites  | 53  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)                               | 139   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected.             | 302   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 441   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 281   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 1,651   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                   | 1,932   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 5%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)*                      | 20%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 4   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 3   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 4   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 11  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved   | 8   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing  | 3   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">7</td> <td style="text-align: center;">0</td> <td style="text-align: center;">7</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 7 | 0 | 7 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions  | 7   | 0              | 7              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$1,500   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

\* Coverage rate above is computed as the total number of sites inspected divided by the total number of permits/licenses in effect.

# Sewage Sludge Utilization



# Animal Feeding Operations

## **PURPOSE**

The Animal Feeding Operations (AFO) Section regulates discharges from farms with animals that are stabled or confined for 45 days or more in any 12-month period in an area where crops/forage are not grown. AFOs have the potential to discharge nutrients and sediments to surface waters if improperly designed, constructed, operated, or maintained.

## **AUTHORITY**

FEDERAL: Federal Clean Water Act

STATE: Environment Article, Title 9, Subtitle 3; COMAR 26.08.01 through 26.08.04.

## **PROCESS**

AFOs are subject to regulations through registration as a Concentrated Animal Feeding Operation (CAFO) or a Maryland Animal Feeding Operation (MAFO) under a General Discharge Permit for AFOs (GD Permit). The classification as a CAFO or MAFO is determined by a combination of factors including the number and type of animals, and the potential for discharge to waters of the State. This GD Permit requires these operations to be designed, constructed, operated and maintained according to specific standards which control or eliminate discharges of pollutants to the waters of the State. All large and certain medium AFOs are required to apply for coverage under the GD Permit.

During the five-year duration of the GD Permit, every registered operation will be inspected at least once to ensure compliance with the permit conditions, which incorporate relevant portions of farm-specific Comprehensive Nutrient Management Plans (CNMP), written in accordance with State and federal requirements. Complaints involving CAFOs or MAFOs are addressed by inspectors specifically assigned to the AFO Section. Inspectors also investigate citizens' complaints related to CAFOs and MAFOs and provide compliance assistance to these operations. Enforcement is accomplished through site complaints, notices of violation, and administrative, civil and criminal mechanisms. The inspector may recommend corrective actions if any are required. If a significant violation is found, site complaints are issued and penalties are assessed in accordance with standard operating procedures (SOPs). Corrective orders and penalties may be issued for violations in accordance with these SOPs.

## **SUCCESSSES/CHALLENGES**

By the end of the FY 2014, 571 Notices of Intent (NOI) to be covered by the GD Permit either as a CAFO or a MAFO had been submitted by AFOs currently required to apply for the GD Permit. Several AFOs had also withdrawn their NOIs due to circumstances such as being sold or no longer in operation. A total of 493 operations were registered under the GD Permit by the end of FY 2014, or 86% of active applications. There were 78 operations remaining to be registered at the end of FY 2014. These entered into General Compliance Schedules with MDE that set schedules and requirements related to compliance and a timeframe for reporting the status of the operators' completion of a CNMP. The General Compliance Schedules are necessary because the technical assistance available for developing CNMPs is far exceeded by the number of farms required by the General Discharge Permit to have

those Plans. The State is continuing to identify additional avenues for technical assistance with CNMPs.

There were 160 operations registered in FY 2012, 116 in FY 2013 and 171 in FY 2014. The variation is due to the challenges of obtaining completed applications, the necessity to perform site visits to verify application information as well as limited permit staff to accomplish additional tasks including tracking annual implementation reports, CNMP Status Forms and the Certification of Conformance.

Although not all operations have been registered under the GD Permit, the conditions contained in the General Compliance Schedule allow inspectors to perform full inspections of both registered operations and those under the General Compliance Schedule, currently a total of 571 farms. MDE completed 793 inspections, audits, and spot checks by the end of FY 2014. The number of sites inspected during FY 2014 decreased to 237 from 327 in FY 2013 due to the reassignment of an inspector to process registrations. This was necessitated due to the retirement of a permit writer.

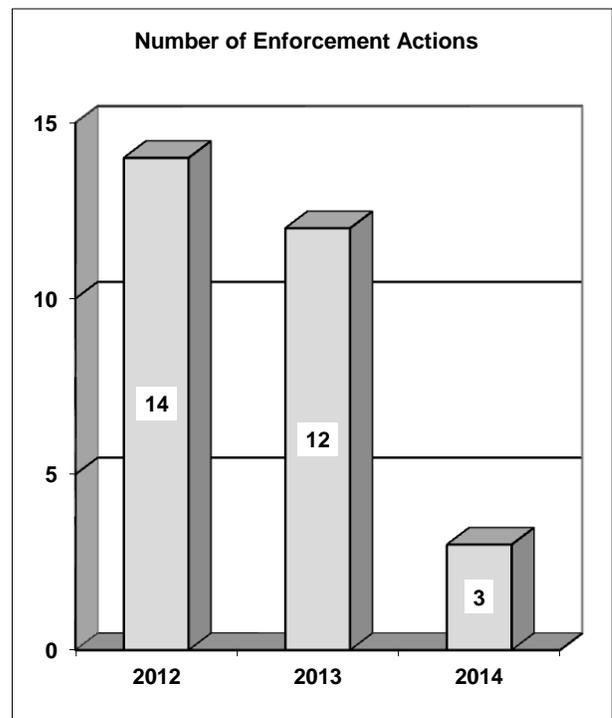
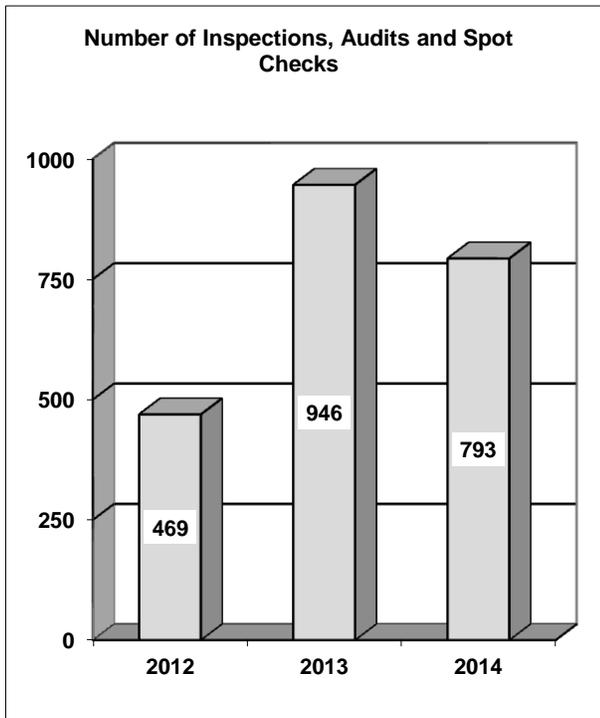
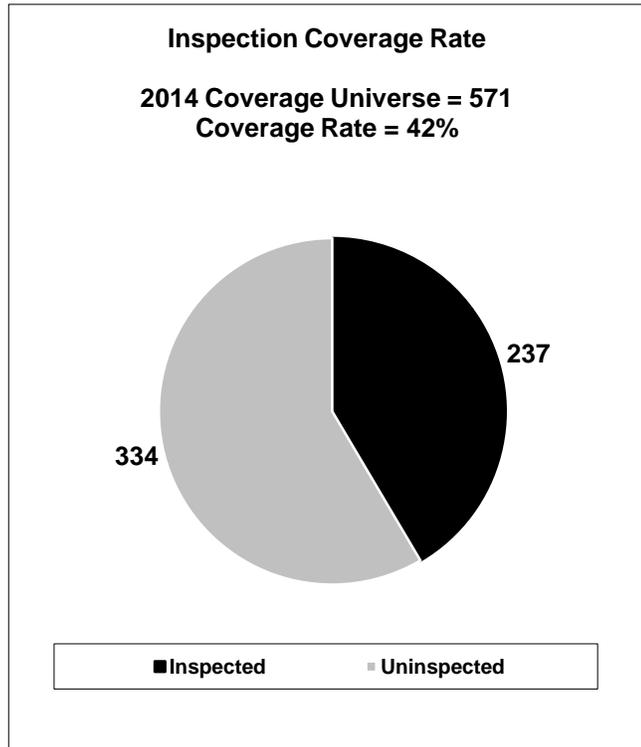
Permit fees were waived during FY 2014. FY 2014 was the fourth full year of operation for the program. Penalties received increased from \$9,100 to \$9,800. Most violations were due to operations failing to submit their application to be registered and one operation failing to submit their annual implementation report for the prior calendar year.

# Animal Feeding Operations

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations issued   | 171   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations in effect at fiscal year end                                 | 493   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Sites with pending registrations   | 78  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)*                              | 237   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected              | 434   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 671   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 272   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 521   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                   | 793   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 2%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                       | 42%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 1   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 4   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 12  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved   | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing  | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered   | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">Administrative</th> <th style="width: 25%; text-align: center;">Civil/Judicial</th> <th style="width: 10%; text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">3</td> <td style="text-align: center;">0</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 3 | 0 | 3 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions  | 3   | 0              | 3              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions  | 3   | 0              | 3              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$9,800   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

\*This includes inspections of sites that have not applied for coverage to determine the regulatory status.

# Animal Feeding Operations



# Natural Wood Waste Recycling

## **PURPOSE**

The Solid Waste Program (SWP) issues Natural Wood Waste (NWW) Recycling permits to ensure that NWW is managed in a manner that will not cause harm to the public health and the environment. Recycling is conducted by chipping the wood waste (stumps, root mat, branches, logs and brush) and converting them into products including mulch and compost. The permitting system was designed to prevent large-scale fires at NWW facilities.

Natural wood waste facilities were targeted for additional inspections in FY 2003 and FY 2004 after several severe fires at this type of facility in FY 2002.

## **AUTHORITY**

STATE: Environment Article, Title 9, Subtitle 17; COMAR 26.04.09

## **PROCESS**

Permits are required for the operation of facilities that recycle NWW (stumps, root mat, branches, logs, and brush). NWW activities are authorized by a General Permit or Individual Permit. Permits are not required for these kinds of operations at landfills, or for these operations if they are performed by an individual or business to recycle their own wood wastes on their own premises, or for wood waste recycling operations performed by a government or non-profit agency. Routine unannounced inspections are performed at these facilities several times a year to ensure compliance with the permit conditions outlined in the permit, as well as investigating citizen complaints. If violations are found, corrective action will be performed in accordance with MDE's guidelines and procedures.

## **SUCCESSSES/CHALLENGES**

In FY 2014, the SWP's Compliance Division's overall inspection coverage dropped from 86% in FY 2013 to 74% in FY 2014. Despite the decrease, the number of significant violations increased from 6 in FY 2013 to 15 in FY 2014. The SWP's Compliance Division was again able to increase the total number of inspections and spot checks from 109 in FY 2013 to 114 in FY 2014.

A challenge SWP inspectors are facing now and moving forward is the fact that they are utilizing a new inspection reporting database (TRIP) that requires development, testing and training. As a result, it is foreseen that inspection numbers throughout the SWP's Compliance Division may be lower in FY 2015.

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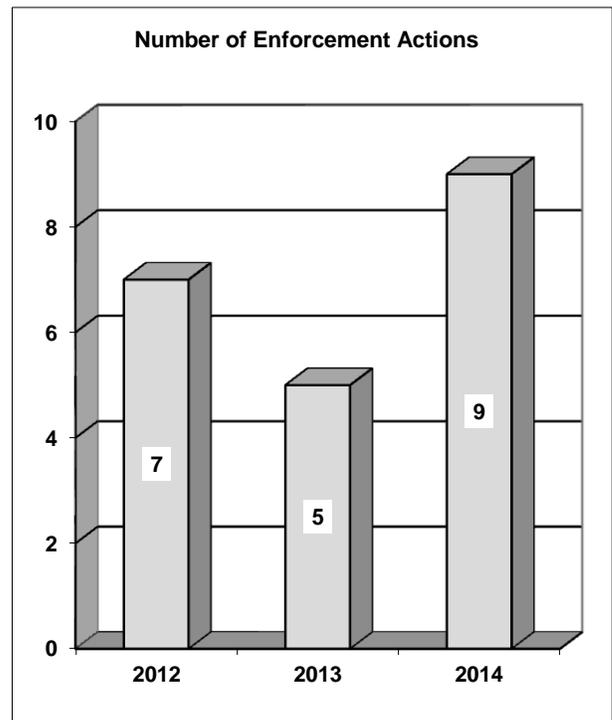
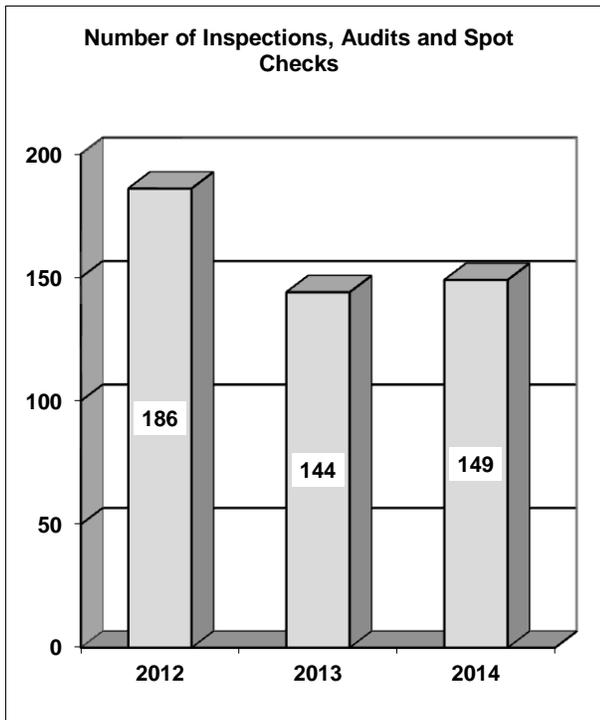
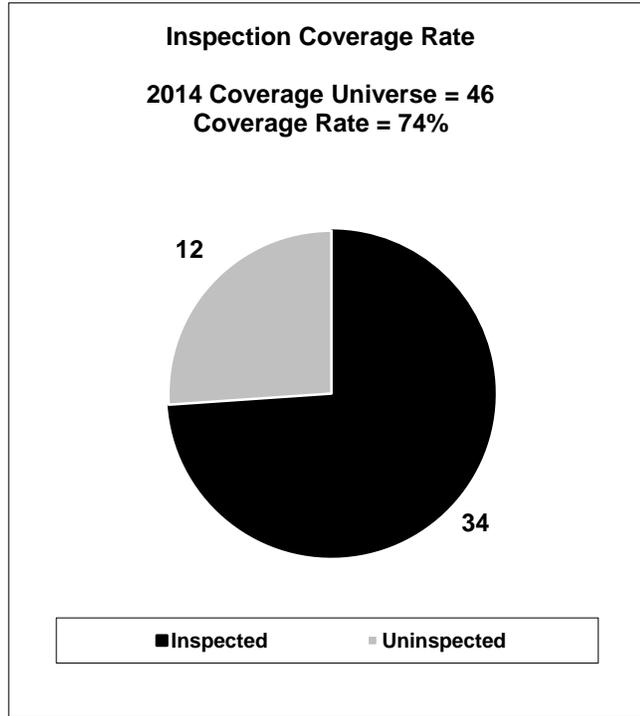
# Natural Wood Waste Recycling

| Performance Measure  | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|--|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations issued   | 9   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/registrations in effect at fiscal year end                                 | 39  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Unpermitted sites at fiscal year end   | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)*                              | 34  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites receiving off-site audits and record reviews, but not inspected              | 11  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                     | 45  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)       | 114   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)              | 35  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                   | 149   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations                             | 8   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations                         | 23%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)**                     | 74%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                    | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year | 2   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                     | 15  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved   | 11  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing  | 4   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered   | 1   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">8</td> <td style="text-align: center;">0</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td></td> <td></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 1 | 0 | 1 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 8 | 0 | 8 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|  | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 1   | 0              | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions  | 8   | 0              | 8              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued                                    | 1   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions  | 8   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action                         | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                    | \$0.00  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

\* Number of inspected sites includes permitted facilities, government facilities that do not require permits, unpermitted natural wood waste operations and citizen complaints.

\*\* Coverage rate is computed as the total number of sites inspected and dividing that by the total number of permits/licenses in effect plus the number of unpermitted sites discovered and inspected.

# Natural Wood Waste Recycling



# Mining – Coal

## **PURPOSE**

Federal law requires that a person obtain a permit in accordance with the federal Surface Mining Control and Reclamation Act (SMCRA) to mine coal anywhere in the United States. The purpose of the Act was to establish a nationwide program to protect the public and the environment from the adverse effects of surface coal mining operations. In Maryland, MDE is authorized by the federal Office of Surface Mining to administer a surface mining control program consistent with the federal law. The responsibility of enforcing the federally approved program in Maryland has been delegated by MDE to LMA's Bureau of Mines Division. Consequently the Bureau of Mines is responsible for processing, reviewing and issuing all permits and enforcing all laws and regulations enacted by the State related to coal mine operations. These operations include extraction of coal by surface or underground mining methods, processing and loading coal after extraction, recovering coal from coal refuse piles left by previous coal mining operations, and prospecting for coal.

## **AUTHORITY**

FEDERAL: P.L. 95-87 Surface Mining Control and Reclamation Act of 1977

STATE: Environment Article, Title 15, Subtitle 5 and 6; COMAR 26.20

## **PROCESS**

Persons wanting to obtain a coal mining operations permit must file an application which includes maps, plans and designs detailing how the operation is to be conducted and evaluations of potential environmental impacts that could result from the operations. The Bureau of Mines reviews the designs and environmental evaluations and solicits comments on the proposed operations from the general public through public notifications and from government agencies through direct notification. If, based on review of the application and comments received, the Bureau of Mines finds the application is in compliance with program requirements; the applicant is required to post a bond sufficient to assure reclamation of the site in the event the permittee fails to do so then a permit is issued.

Permitted operations are inspected, at a minimum, twelve times per year for compliance with the plans contained in the permit application, conditions of the permit, and State coal mining laws and regulations. Permitted operations are also required to submit on a regular basis monitoring data for surface and ground water quality, data related to blasting, coal production, and progress reports relating to reclamation of the sites; this submitted data is also reviewed for regulatory compliance.

Coal mining operations are required to reclaim the land to a condition similar to what existed prior to mining. Areas disturbed by the operations must be regarded to a similar shape and aspect as existed pre-mining and vegetated with diverse permanent species of plants that will stabilize the soil, prevent erosion, and support the intended post-mining use of the land. Bond posted for the permit will not be released for five years following completion of the mining operations, during which time the site will continue to be inspected and reclamation success evaluations will be performed by the Bureau and the Maryland Land Reclamation Committee (LRC). The LRC is a group established by law comprised of government, industry, and private citizen representatives who, among other duties, are charged with

evaluating the success of reclamation on individual surface mine permits and without whose approval, bond cannot be released.

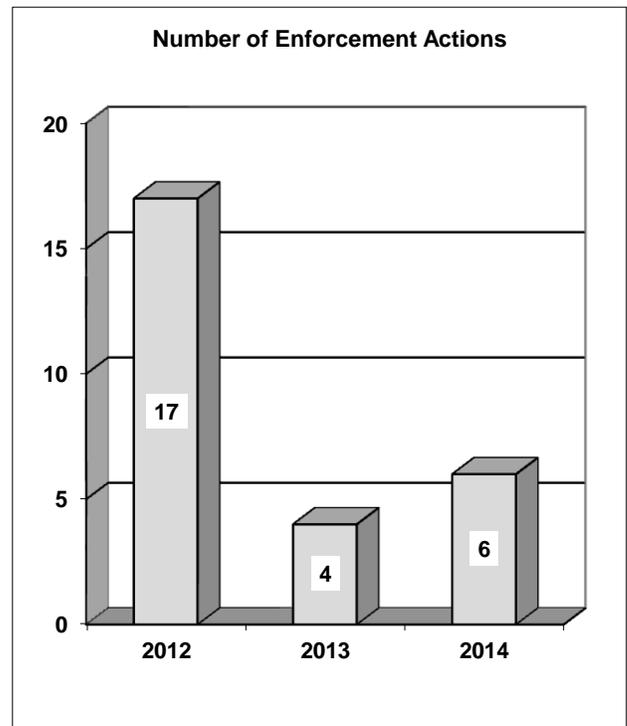
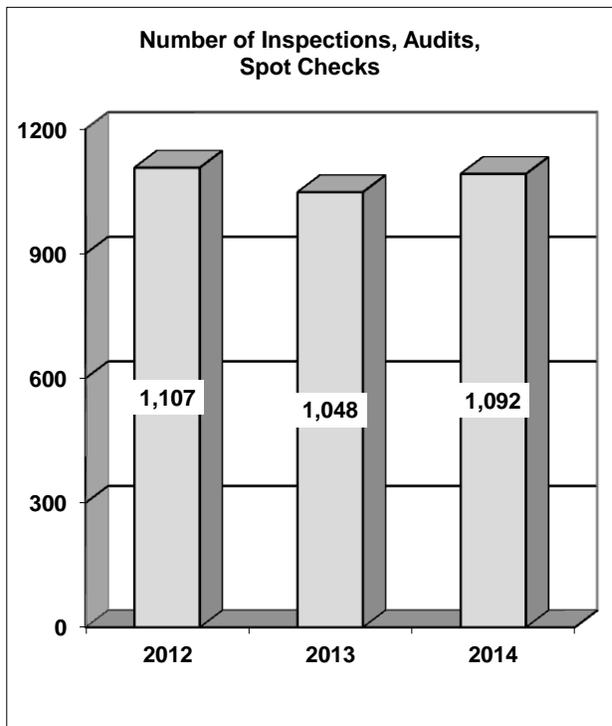
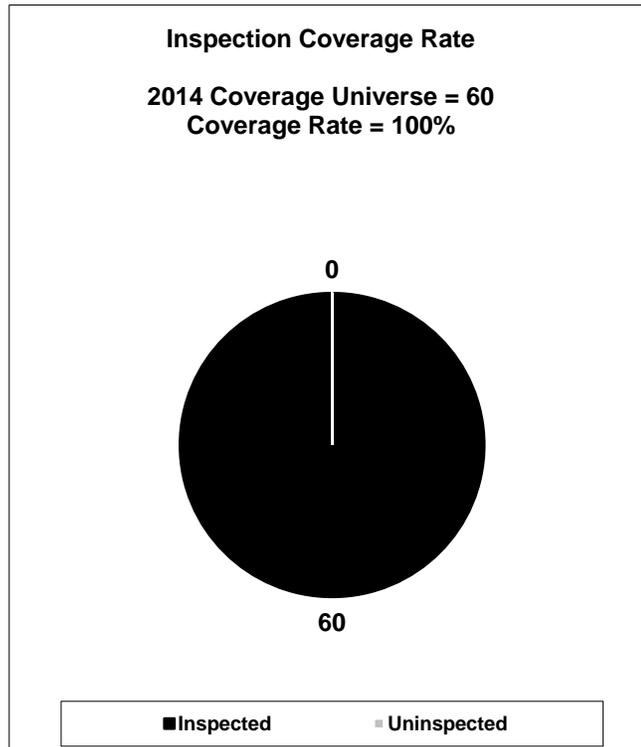
**SUCSESSES/CHALLENGES**

The Bureau of Mines Division met 100% of their inspection frequencies of all coal mining sites in FY 2014. MDE has received a Capital Budget of \$500,000 to accomplish remediation of acid mine drainage from Pre-Law abandoned coal mines. MDE plans four projects in FY 2015 that will improve surface water quality in the Jennings Run, Winebrenner Run and Georges Creek drainages.

## Mining – Coal

| Performance Measure   | TOTAL   |
|---|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |
| Number of permits/licenses issued   | 7   |
| Number of permits/licenses in effect at fiscal year end   | 54  |
| Prospect and forfeiture sites   | 5   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |
| Coal mining operator licenses issued  | 28  |
| Coal mining operator licenses in effect at fiscal year end  | 28  |
| Surface coal mining blaster certifications issued   | 4   |
| Surface coal mining blaster certifications at fiscal year end   | 30  |
| <b>INSPECTIONS</b>  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 60  |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 60  |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 793   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 299   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 1,092   |
| <b>COMPLIANCE PROFILE</b>   |   |
| Number of inspected sites/facilities with significant violations  | 6   |
| Percentage of inspected sites/facilities with significant violations  | 10%   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 100%  |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |
| Number of significant violations involving environmental or health impact                                   | 1   |
| Number of significant violations based on technical/preventative deficiencies                               | 5   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 0   |
| Total number of significant violations (sum of the three measures above)                                    | 6   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |
| Resolved  | 2   |
| Ongoing   | 4   |
| <b>ENFORCEMENT ACTIONS</b>  |   |
| Number of compliance assistance rendered  | 110   |
|   | Administrative      Civil/Judicial      Total   |
| Number of show cause, remedial, corrective actions issued   | 0                      0                      0 |
| Number of stop work orders  | 0                      0                      0 |
| Number of injunctions obtained  | 0                      0                      0 |
| Number of penalty and other enforcement actions   | 6                      0                      6 |
| Number of referrals to Attorney General for possible criminal action  | 0   |
| <b>PENALTIES</b>  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$8,950   |

# Mining – Coal



# Mining – Non-Coal

## **PURPOSE**

The extraction of minerals is a basic and essential activity for the economic well being of the State and nation. This activity must be balanced against potential safety and environmental effects. The mining permit review evaluates possible impacts on surrounding properties, the local environment and the public safety impacts of the operation. Other impacts such as historical resources and habitat protection are reviewed as well. Each site is bonded to ensure compliance with the permit.

## **AUTHORITY**

STATE: Environment Article – Title 15, Subtitle 8; COMAR 26.21

## **PROCESS**

Upon issuance of a permit the site is assigned an inspection frequency. This frequency can be adjusted at any time based on site conditions and workload. All water quality permits, wetland, waterway and sediment approvals are inspected as part of the mine permit inspection.

MDE does not have statutory authority to collect administrative penalties for non-coal mining permits but violations of other media associated with mining may be penalized as warranted. Mining laws do provide for civil and criminal penalties.

Improperly maintained environmental controls have the potential to degrade water quality through the transport of sediment-laden water from drainage and stormwater runoff, and can adversely impact the aquatic habitat. The program evaluates mining practices, reclamation and stormwater management for compliance to ensure that adverse impacts to surface and groundwater are minimized.

## **SUCCESSSES/CHALLENGES**

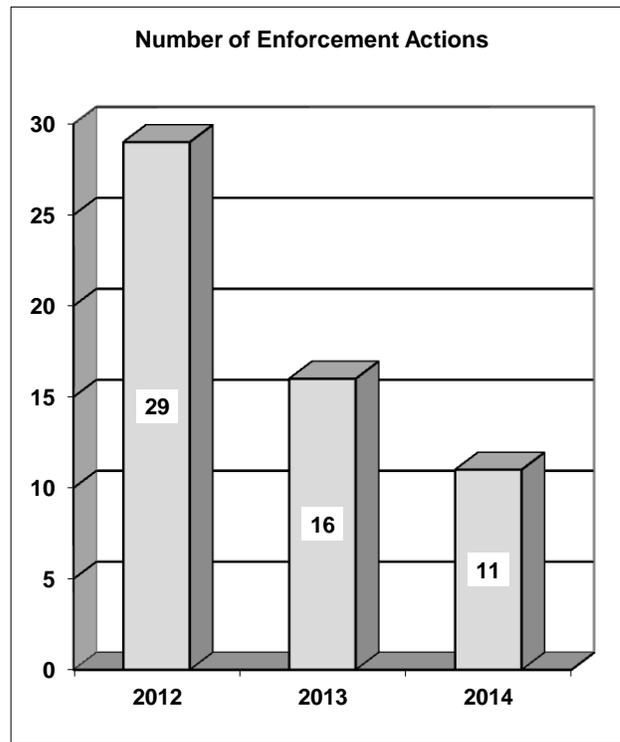
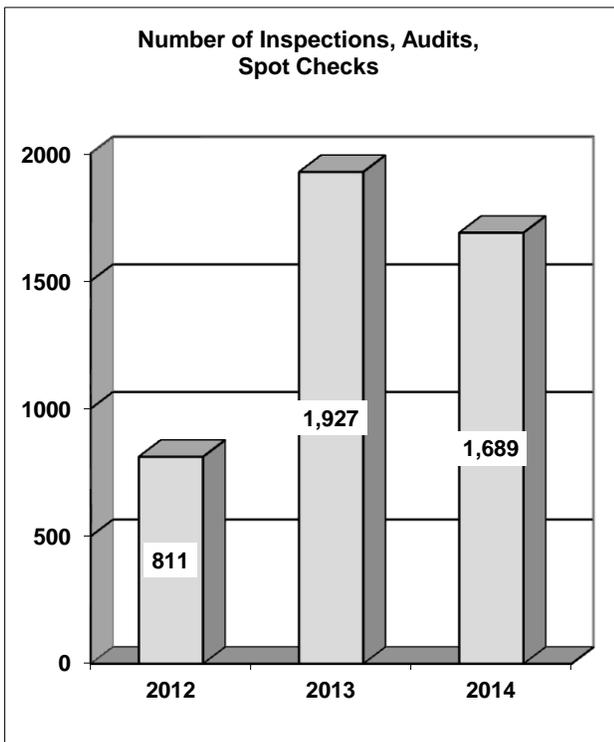
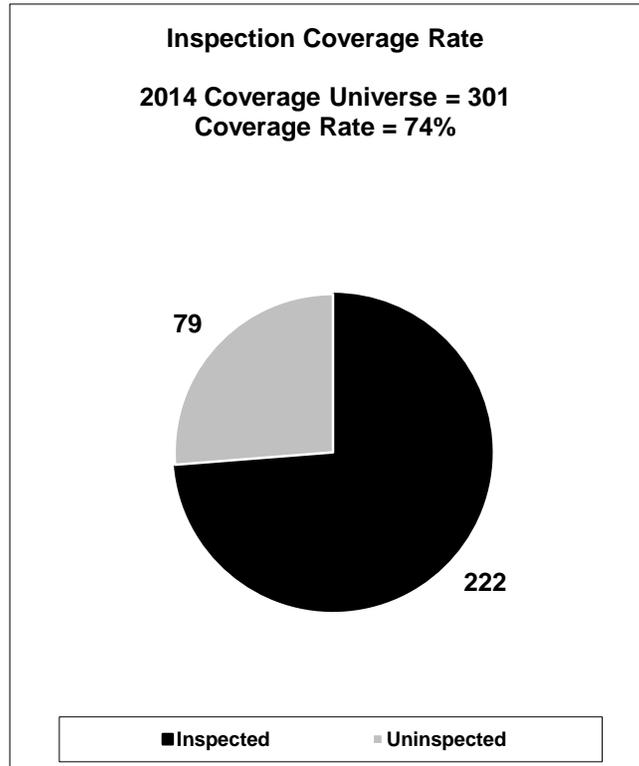
The Minerals, Oil and Gas Division inspection coverage rate decreased from 86% in FY 2013 to 74% in FY 2014. Staffing vacancies made it difficult to maintain an adequate inspection frequency. In FY 2015 inspection frequencies are expected to increase, as all vacancies have been filled.

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## Mining – Non-Coal

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses issued   | 84  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 301   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 222   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 222   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 224   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 1,465   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 1,689   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 12  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 5%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 74%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 18  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved  | 18  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
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|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 11  | 0              | 11             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$98,500  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

# Mining – Non-Coal



# Oil and Gas Exploration and Production

## **PURPOSE**

In the State of Maryland, drilling and operations of gas or oil wells, operations of a natural gas storage facility and oil and natural gas exploration using seismic operations require a permit. Permits include environmental controls to ensure public safety, provide protection of public and private property and minimize the impacts resulting from the operation.

## **AUTHORITY**

STATE: Environment Article - Title 14, Subtitles 1, 2 and 3; COMAR 26.19.

## **PROCESS**

Sites are assigned an inspection frequency during issuance of a permit, license or authorization. Routine inspections of the facilities are scheduled in accordance with the assigned priorities and may be adjusted to reflect changes in workloads or inspection priorities. The inspector assesses compliance with permit conditions and determines if corrective action may be required. During active drilling operations the frequency of inspection is higher compared to when the well is completed.

## **SUCCESSSES/CHALLENGES**

Many of the sites are not in current production mode. There were no new wells drilled in FY 2014. Via executive order, the Governor established the Marcellus Shale Safe Drilling Initiative in 2011. As part of that Executive order, the Marcellus Shale Advisory Commission was formed. The Advisory Commission is currently developing recommendations for best practices in Maryland.

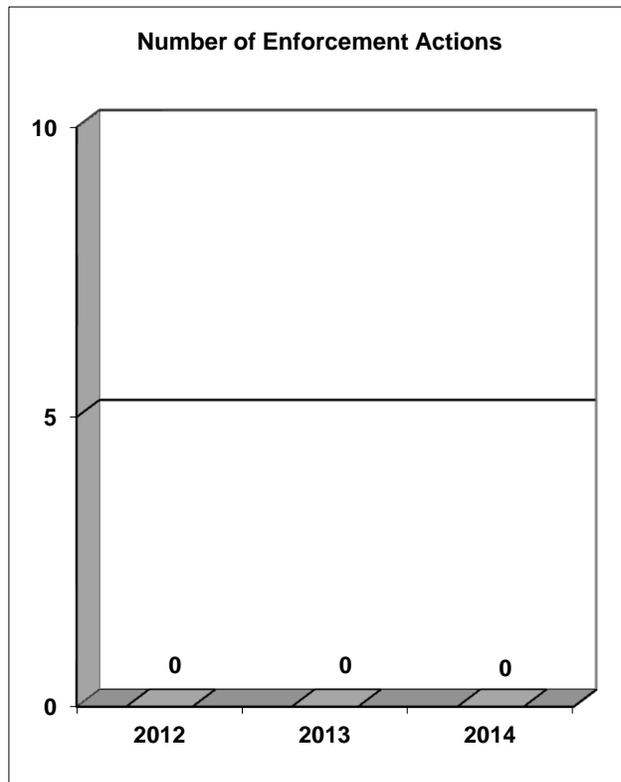
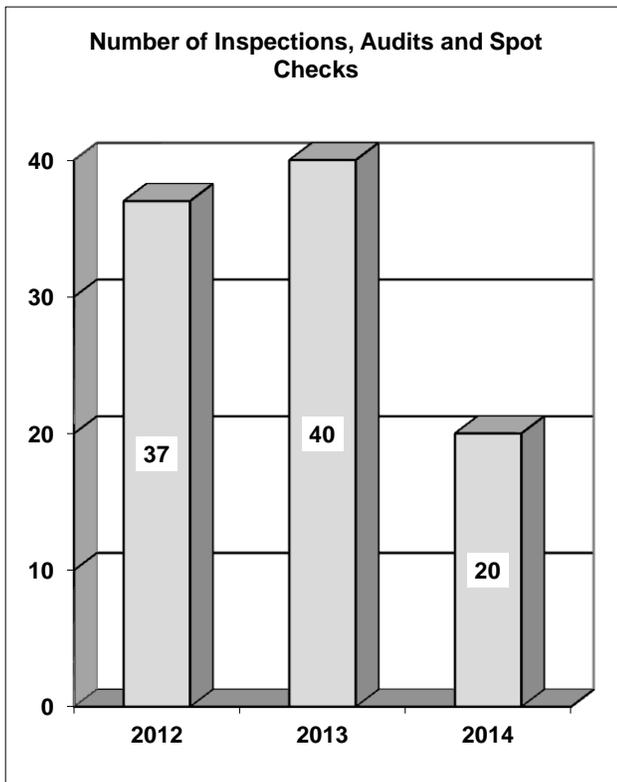
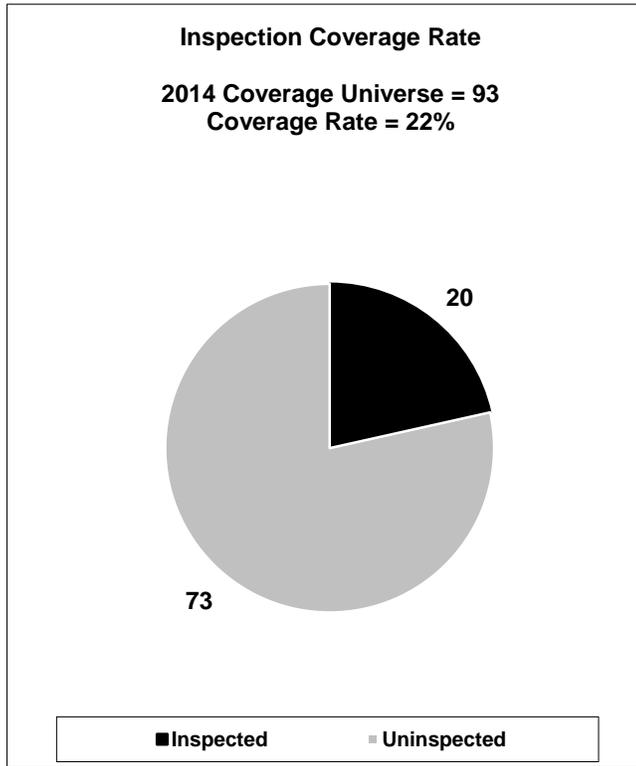
There were 20 inspections, audits, and spot checks in FY 2014, a decrease from 40 performed in FY 2013. The decrease was a result of personnel vacancies in the program.

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# Oil and Gas Exploration and Production

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses issued   | 7   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 93  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected ("inspected" defined as at the site)  | 20  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 20  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 20  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 20  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 0%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 22%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 0 | 0 | 0 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

# Oil and Gas Exploration and Production



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# **WATER MANAGEMENT ADMINISTRATION**

# **Water Management Administration**

## **Executive Summary**

The Water Management Administration (WMA) has inspection and enforcement responsibilities for the water quality and resource conservation programs that follow in this report. The Compliance Program is responsible for compliance associated with state groundwater discharges, federal and state surface water discharges, pretreatment, erosion and sediment control for construction activity, waterway construction, and tidal and non-tidal wetlands. The Water Supply Program (WSP) is responsible for public drinking water and water appropriation permit compliance, and the Sediment, Stormwater and Dam Safety Program (SSDS) is responsible for dam safety compliance.

WMA's Compliance Program inspects sites for compliance with numerous laws, regulations and permits or other authorizations addressing wastewater discharges, surface water and groundwater pollution, stormwater discharges and erosion and sediment control, tidal and nontidal wetlands, and waterway construction. As a result, many of the enforcement cases may address numerous categories of violations and injunctive relief. The number of inspection and enforcement personnel relative to the number of regulated entities continues to be a challenge. For example, the WMA Compliance Program does not have a sufficient number of inspectors to meet the goal of inspecting every active construction site disturbing 5,000 square feet or more every two weeks. All people holding general permits for stormwater associated with construction activities are required to inspect their sites weekly and after every major storm event. Thirteen county governments and 10 municipalities are delegated enforcement authority for these projects and perform inspections of projects in their jurisdictions. The Compliance Program adjusted its erosion and sediment control inspection priorities in February 2013 which shifted the focus to large construction sites. Larger sites take longer to inspect, which translates to fewer sites visited, but their impact when in noncompliance can be much greater than small sites. There have also been inspector vacancies due to staff leaving State service that impacted the overall number of inspections performed. The Compliance Program recently added two contractual employees to perform inspections at industrial stormwater sites in Maryland for a year in accordance with an EPA grant.

The SSDS continues to be challenged to keep pace with the volume of erosion and sediment control and stormwater management plan reviews for State and federal construction projects. Additionally, NPDES municipal stormwater permit requirements for best management practice (BMP) retrofitting have increased significantly the number of construction projects that must be reviewed and approved. SSDS continues to work with the State Highway Administration (SHA) to develop procedures and guidelines for SHA to assume sediment control and stormwater management plan review and approval authority under HB 97 that was passed during the 2014 legislative session. A similar effort is ongoing with the Maryland Transit Administration (MdTA). SHA and MdTA have each executed a memorandum of understanding with MDE regarding authority, processes, auditing, and reporting. Once completed, these agreements will reduce SSDS's plan review burden to reasonable levels.

The SSDS also inspects existing dams, and permits and inspects the construction of new dams in Maryland. Currently, 496 dams are included in the statewide inventory, 57 of which are breached and not inspected regularly. There are 611 permitted facilities and this number reflects the total inventoried dams and the number of permits issued for maintenance and repair of existing structures. Typically, small ponds are reviewed and approved by local Soil Conservation Districts (SCDs) unless a hazard below the structure requires review and approval by MDE. Many existing small ponds are being investigated for improved stormwater management water quality control resulting from NPDES municipal stormwater permit requirements. SSDS is working with both the SCDs and the counties affected by the NPDES program to ensure that small pond retrofitting does not increase downstream hazard conditions.

The mission of the Water Supply Program (WSP) is accomplished through planning and permitting for water withdrawal, protection of water sources that are used for public water supplies, oversight and enforcement of routine water quality monitoring at public water systems, regular on-site inspections of water systems, review of design plans for new or upgraded water treatment, and prompt response to water supply emergencies.

In FY 2014, Maryland continued implementation of the newly-adopted federal regulations that affect community and non-transient non-community water systems. These new regulations which include the Stage 2 Disinfection Byproduct Rule, the Lead and Copper Rule Revisions, and the Ground Water Rule, affect approximately 1011 community and non-transient non-community water systems serving the public. These regulations are complex, and, in many cases, result in increased monitoring and capital costs for the regulated communities. To assist them with meeting the compliance requirements of the newly adopted rules, WSP provided training and on-site technical assistance to impacted water systems throughout the State. However, it is typical that even with the additional assistance from the WSP, the impacted systems have difficulties with the implementation of new regulations in the first years after the rules become effective, resulting in an increase in the number of technical violations. This fiscal year our data highlights improved compliance on existing regulations as new rules are phased in for community and non-transient non-community water systems. Compliance with the new regulations is expected to be difficult for water systems as they become familiar with the new requirements.

During FY 2014, the WSP continued to provide additional enforcement focus on the special conditions in Water Appropriation and Use permits. Compliance reviews of flow-by and audit conditions were conducted. Notices of violation were sent to systems with outstanding reporting requirements, expired permits, and those who used water in excess of their permitted allocation.

Public water system enforcement included 450 notices of violation which were issued to 166 community and non-transient non-community water systems. Fifty-eight of these water systems had violations that were based on drinking water health standards. The remaining violations were technical violations.

**Water Management Administration  
Performance Measures Executive Summary**

|   | <u>2013 Totals</u> | <u>2014 Totals</u> |
|---|--------------------|--------------------|
| <u>PERMITTED SITES/FACILITIES</u>                       |                    |                    |
| Number of Permits/Licenses Issued                       | 4,681              | 4,283              |
| Number of Permits/Licenses in Effect at Fiscal Year End | 52,653             | 38,780*            |
| <u>OTHER REGULATED SITES/FACILITIES</u>                 |                    |                    |
| Other Sites   | 4,143              | 4,122              |
| <u>INSPECTIONS</u>                                      |                    |                    |
| Number of Sites Inspected                               | 5,992              | 5,094              |
| Number of Sites Audited but Not Inspected               | 3,629              | 3,040              |
| Number of Inspections, Audits, Spot Checks              | 59,756             | 54,159             |
| <u>ENFORCEMENT ACTIONS</u>                              |                    |                    |
| Number of Compliance Assistance Rendered                | 5,751              | 8,782              |
| Number of Enforcement Actions Taken**                   | 1,001              | 1,134              |
| <u>PENALTIES</u>  |                    |                    |
| Amount of Administrative or Civil Penalties Obtained    | \$4,211,269        | \$2,102,821        |

\* Water Management Compliance undertook an extensive review of their permit data for erosion and sediment control and wetlands and was able to eliminate many older permits that are no longer active.

\*\* Calculated as the sum of all enforcement actions for each program as listed in the chart for each program.

## **Discharges – Groundwater (Municipal & Industrial)**

### **PURPOSE**

Excessive nutrients, bacteria, and industrial pollutants in wastewater have the potential to impact the quality of groundwater. The groundwater discharge permitting process provides a means of managing these impacts through monitoring, inspection and enforcement. The Wastewater Permits Program issues groundwater discharge permits to control the disposal of treated municipal or industrial wastewater into the State's groundwater via spray irrigation or other land-treatment methods such as subsurface discharge. Upon permit issuance, the Compliance Program is responsible for inspections and compliance assurance. Groundwater discharge permits establish pollutant discharge limits and require the permit holder to meet self-monitoring, record-keeping, and reporting requirements to protect public health and minimize groundwater pollution.

### **AUTHORITY**

STATE: Environment Article, Title 9, Subtitle 3; COMAR 26.08

### **PROCESS**

The Compliance Program performs inspections of sites with groundwater discharge permits as part of its overall inspection priority scheme, with priority given to sites that are the subject of complaints or are in violation based on failure to perform required self-monitoring and reporting, or due to violations of the effluent limitations in the permit. The inspector may conduct unannounced inspections and may collect samples for independent laboratory analysis as necessary to verify compliance with permit limits. Self-monitoring results are filed at the frequency specified by the permit (usually monthly or quarterly) in the form of Discharge Monitoring Reports (DMRs). DMRs are reviewed in the office and at the facilities in order to determine whether the facility is in compliance with applicable requirements. DMR reviews are shown in the following table on the line identified as "Inspections, Audits, Spot Checks." DMR reviews are not included in the determination of the inspection coverage rate.

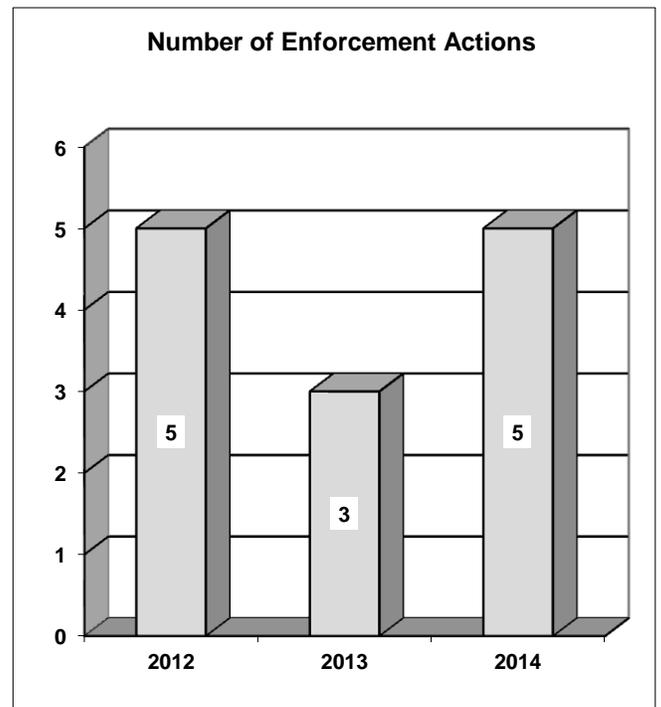
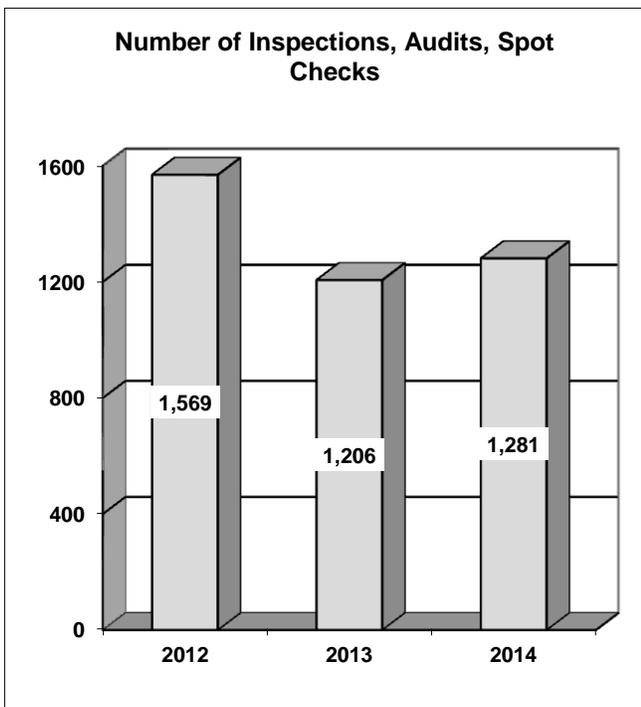
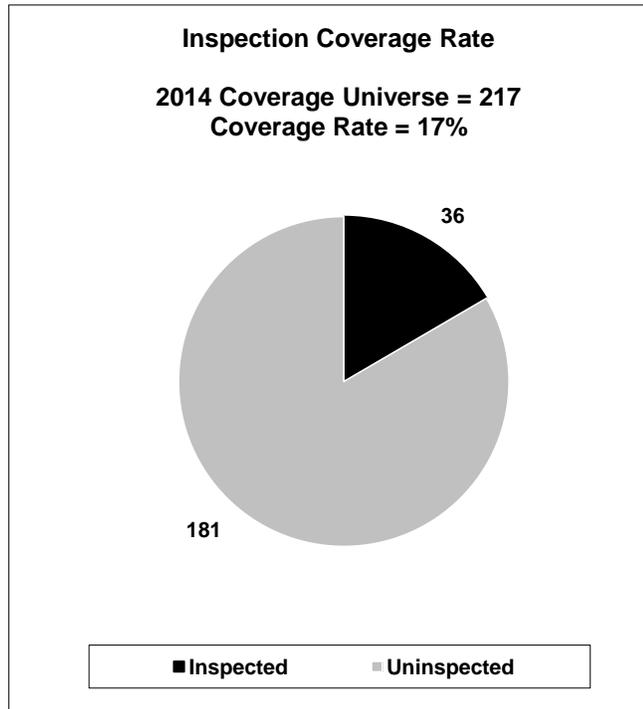
### **SUCCESSES/CHALLENGES**

WMA continues to investigate and pursue enforcement cases to address cases involving groundwater pollution. WMA is currently working with the Attorney General's Office on a number of additional enforcement cases to address groundwater pollution concerns.

## Discharges – Groundwater (Municipal and Industrial)

| Performance Measure   |                |                | TOTAL   |
|---|----------------|----------------|---------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |         |
| Number of permits/licenses issued   |                |                | 30      |
| Number of permits/licenses in effect at fiscal year end   |                |                | 217     |
| <b>INSPECTIONS</b>  |                |                |         |
| Number of sites inspected (“inspected” defined as at the site)  |                |                | 36      |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) |                |                | 121     |
| Number of sites evaluated for compliance (sum of the two measures above)                                    |                |                | 157     |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      |                |                | 86      |
| Number of audits (captures number of reviews of file/submittals for compliance)                             |                |                | 1,195   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  |                |                | 1,281   |
| <b>COMPLIANCE PROFILE</b>   |                |                |         |
| Number of inspected sites/facilities with significant violations  |                |                | 7       |
| Percentage of inspected sites/facilities with significant violations  |                |                | 19%     |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      |                |                | 17%     |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |         |
| Number of significant violations involving environmental or health impact                                   |                |                | 11      |
| Number of significant violations based on technical/preventative deficiencies                               |                |                | 1       |
| Number of significant violations carried over awaiting disposition from previous fiscal year                |                |                | 23      |
| Total number of significant violations (sum of the three measures above)                                    |                |                | 35      |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |         |
| Resolved  |                |                | 6       |
| Ongoing   |                |                | 29      |
| <b>ENFORCEMENT ACTIONS</b>  |                |                |         |
| Number of compliance assistance rendered  |                |                | 0       |
|   | Administrative | Civil/Judicial | Total   |
| Number of show cause, remedial, corrective actions issued   | 3              | 0              | 3       |
| Number of stop work orders  | 0              | 0              | 0       |
| Number of injunctions obtained  | 0              | 0              | 0       |
| Number of penalty and other enforcement actions   | 2              | 0              | 2       |
| Number of referrals to Attorney General for possible criminal action  |                |                | 1       |
| <b>PENALTIES</b>  |                |                |         |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |                |                | \$8,300 |

# Discharges – Groundwater (Municipal and Industrial)



# Discharges - Surface Water (Municipal & Industrial) State and NPDES Permits

## PURPOSE

The federal Clean Water Act's National Pollutant Discharge Elimination System (NPDES) Program controls water pollution generated from a wide variety of sources including industrial activities, sewage treatment plants, certain agricultural activities and stormwater runoff from industrial, municipal and agricultural sources. All industrial, commercial or institutional facilities that discharge wastewater, including stormwater from certain industrial facilities, directly to surface waters of Maryland need a permit. Permit holders include local, state, and federal government agencies, as well as privately-owned treatment systems.

The NPDES permit system includes a stormwater component to control pollution generated from runoff associated with certain industrial sites, municipal storm sewer systems, construction activities, and concentrated animal feeding operations. Eleven categories of industry, and storm sewer systems operated by certain government agencies, are required under the Clean Water Act to have their stormwater covered under an NPDES permit. For any construction activity that disturbs one or more acres, coverage must be obtained under the MDE's general and individual NPDES permits for construction activity. These permits require developers to perform self-inspection and record keeping to ensure that sediment and erosion control measures are maintained and functioning in accordance with approved plans to prevent water pollution and stream bank erosion caused by excess erosion, siltation, and stormwater flows from construction sites.

Surface water discharge permits may combine all applicable State and NPDES requirements into one permit for facilities that discharge to State surface waters. The permit is designed to protect water quality in the water receiving the discharge.

## AUTHORITY

FEDERAL: Clean Water Act

STATE: Environment Article, Title 9, Subtitle 3; COMAR 26.08

## PROCESS

The Compliance Program performs inspections of sites with surface water discharge permits as part of its overall inspection priority scheme, with priority given to sites that are the subject of complaints or in violation based on failure to perform permit required self-monitoring and reporting or due to violations of the effluent limitations in the permit. The inspector may conduct unannounced inspections and may collect samples for independent laboratory analysis as necessary to verify compliance with permit limits. Self-monitoring results are filed at the frequency specified by the permit (usually monthly or quarterly) in the form of Discharge Monitoring Reports (DMRs). DMRs are reviewed in the office and at the facilities in order to determine whether the criteria for "Significant Noncompliance" have been met. DMR reviews performed by the Compliance Program's Enforcement Division are included in the following Table on the line identified as

“Inspections, Audits, Spot Checks.” DMRs were reviewed for all permitted sites that require DMR submittals as a part of their permit.

### **SUCSESSES/CHALLENGES**

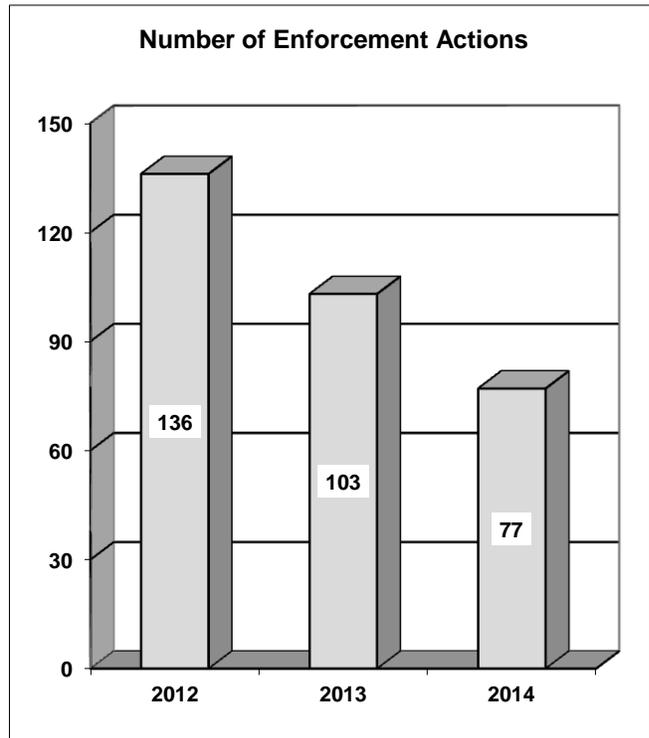
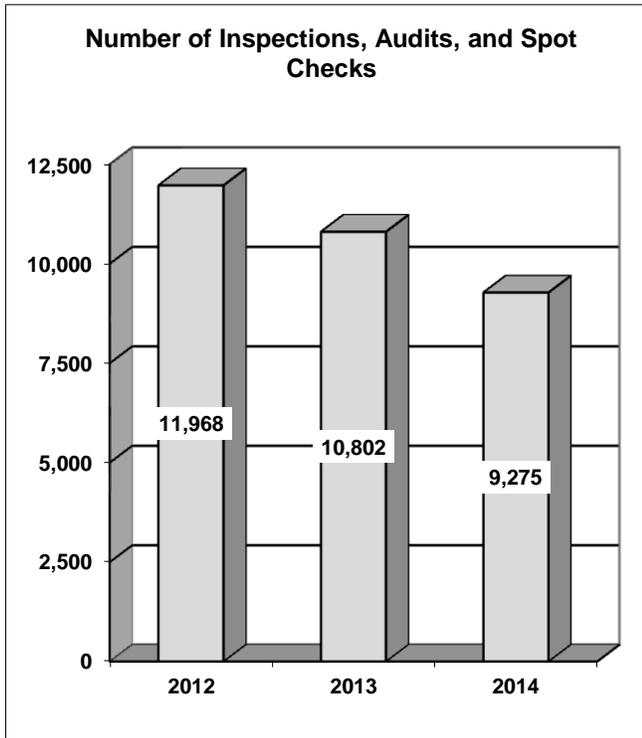
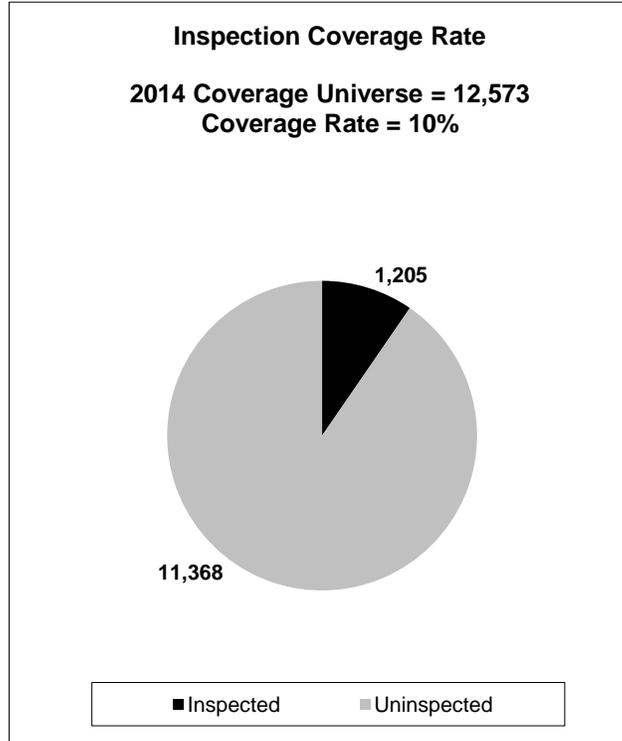
WMA is actively pursuing hundreds of cases involving surface water pollution. WMA’s Compliance Program inspects sites to check for compliance with numerous laws, regulations and permits or other authorizations addressing wastewater discharges, surface water and groundwater pollution, stormwater discharges and erosion and sediment control, tidal and nontidal wetlands and waterway construction so many of the enforcement cases address numerous categories of violations and injunctive relief. The number of inspection and enforcement personnel relative to the number of regulated entities continues to be a challenge.

## Discharges – Surface Water (Municipal and Industrial) State and NPDES Permits

| Performance Measure   | TOTAL   |
|---|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |
| Number of permits/licenses issued*  | 1,372   |
| Number of permits/licenses in effect at fiscal year end   | 12,573  |
| <b>INSPECTIONS</b>  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 1,205   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 637   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 1,842   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 2,499   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 6,776   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 9,275   |
| <b>COMPLIANCE PROFILE</b>   |   |
| Number of inspected sites/facilities with significant violations  | 35  |
| Percentage of inspected sites/facilities with significant violations  | 3%  |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 10%   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |
| Number of significant violations involving environmental or health impact                                   | 42  |
| Number of significant violations based on technical/preventative deficiencies                               | 10  |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 183   |
| Total number of significant violations (sum of the three measures above)                                    | 235   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |
| Resolved  | 69  |
| Ongoing   | 167   |
| <b>ENFORCEMENT ACTIONS</b>  |   |
| Number of compliance assistance rendered  | 4   |
|   | Administrative      Civil/Judicial      Total     |
| Number of show cause, remedial, corrective actions issued   | 9                      4                      13  |
| Number of stop work orders  | 0                      0                      0   |
| Number of injunctions obtained  | 0                      0                      0   |
| Number of penalty and other enforcement actions   | 60                      4                      64 |
| Number of referrals to Attorney General for possible criminal action  | 0   |
| <b>PENALTIES</b>  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$1,161,612                                       |

\* This number includes new permits, renewals, and conversions/modifications of permits.

# Discharges – Surface Water (Municipal & Industrial) State and NPDES Permits



# Discharges – Pretreatment (Industrial)

## PURPOSE

The Pretreatment Program is responsible for regulating wastewaters from industrial and other non-domestic sources discharged into publicly-owned treatment works (POTW) to prevent the discharge of toxic or corrosive discharges to the collection systems serving POTWs that may result in process upsets and failure of critical infrastructure. In accordance with its authority as delegated by EPA, MDE oversees 20 local pretreatment programs that are responsible for 187 industrial sources. In addition, pretreatment permits are issued directly to four industries discharging to non-delegated POTWs. Local pretreatment program responsibilities include issuing discharge permits to industrial users, conducting industrial inspections and performing compliance monitoring, developing and enforcing local limits, enforcing federal pretreatment standards, and assessing penalties against industrial users. These requirements are included in a delegation agreement, which is signed by the operator of the POTW and WMA, and incorporated by reference into the NPDES permit issued by WMA. Local governments are responsible for issuing penalties and enforcement actions associated with this program; therefore, those numbers are not reflected in WMA's enforcement statistics.

## AUTHORITY

FEDERAL: Clean Water Act

STATE: Environment Article, Title 9, Subtitle 3; COMAR 26.08

## PROCESS

The Pretreatment Program oversees local pretreatment program implementation. This oversight is performed by the permitting program staff by conducting pretreatment compliance inspections of pretreatment programs; audits of pretreatment programs; joint review of industrial user permits; independent and joint industrial inspections with the POTW; review of quarterly status reports from the delegated POTWs; and initiation of enforcement actions when the POTW fails to act in accordance with its delegated responsibilities. The Pretreatment Program also issues permits to categorical industrial users discharging to wastewater treatment plants in areas of the state without delegated pretreatment programs. Compliance of these industrial users is tracked by review of periodic compliance reports and the results of annual inspections.

WMA oversees delegated pretreatment programs and takes enforcement action when needed to support the proper treatment of industrial discharges to wastewater collection and treatment systems to prevent damage to the treatment processes or infrastructure and pass through of pollutants to waters of the State.

The Pretreatment Program currently issues permits to categorical industrial users located in areas not serviced by jurisdictions with delegated pretreatment programs. In addition it provides oversight to 20 delegated pretreatment programs with technical and regulatory assistance. The Pretreatment Program also performed inspections at several industrial

users that are permitted by local delegated pretreatment programs. The inspection coverage rate includes these industrial users as well as the entities directly permitted by WMA.

### **SUCSESSES/CHALLENGES**

The Program is responsible for inspecting the permittees, the POTWs and only some of the industrial users permitted by the delegated POTWs. The Program is required by statute to provide a 100% coverage rate of those facilities. In FY 2014, the program met that requirement.

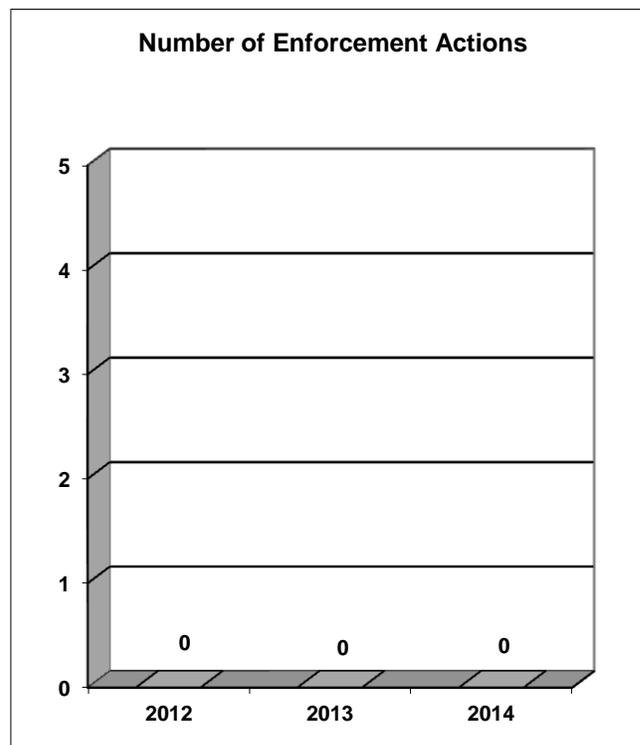
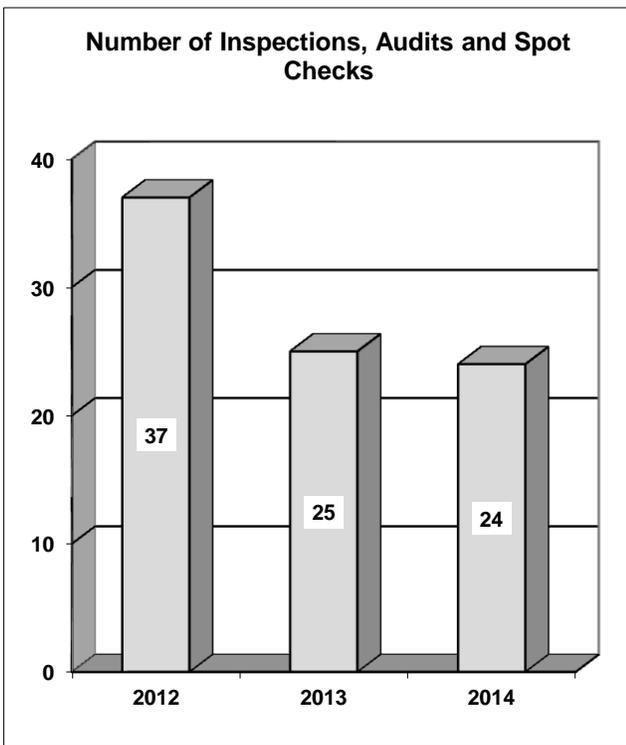
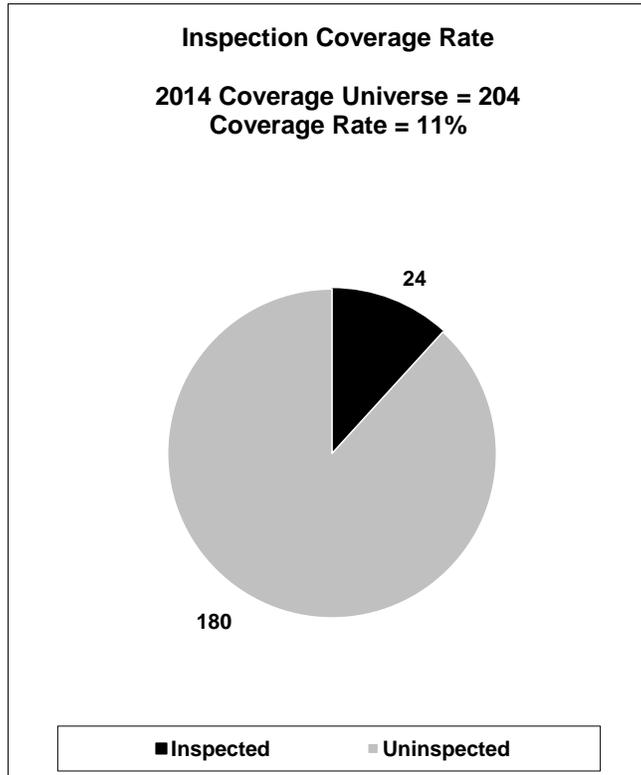
## Discharges – Pretreatment (Industrial)

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses issued   | 1   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end *   | 5   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| POTWs   | 20  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| POTW issued permits (delegated programs)  | 179   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 24  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 24  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 24  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 24  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 0%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe) **                                   | 11%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 20%;">Administrative</th> <th style="width: 20%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 0 | 0 | 0 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

\* These are State-permitted industries subject to Categorical Pretreatment Standards under U.S. EPA regulations 40 CFR 403.6 and 40 CFR Chapter I, Subpart N.

\*\* Coverage rate is defined as the number of sites inspected divided by the sum of permits/licenses in effect, the POTWs and the significant industrial users.

# Discharge – Pretreatment (Industrial)



# Stormwater Management and Erosion & Sediment Control for Construction Activity

## PURPOSE

The purpose of the erosion and sediment control program is to lessen the impact to the aquatic environment caused by sediment leaving construction sites. The purpose of the stormwater management program is to reduce stream channel erosion, pollution, siltation, and local flooding caused by land use changes associated with urbanization. This is accomplished by maintaining, after development, the pre-development runoff conditions using environmental site design practices and techniques. Any construction activity in Maryland that disturbs 5,000 square feet or more of land or results in 100 cubic yards or more of earth movement must have approved erosion and sediment control and stormwater management plans before construction begins.

## AUTHORITY

FEDERAL: Clean Water Act, Section 402; 40 CFR

STATE: Environment Article, Title 4, Subtitle 1 and Subtitle 2; COMAR 26.17

## PROCESS

Inspection and enforcement authority for erosion and sediment control has been delegated or partially delegated to 13 counties, and nine municipalities and the Washington Suburban Sanitary Commission (WSSC) by the state. MDE inspections cover construction projects in non-delegated counties and State and federal projects. This report does not reflect the erosion and sediment control inspection and enforcement activities conducted by local governments in delegated jurisdictions.

Stormwater management approval for all non-state and non-federal projects is, by law, the responsibility of each local jurisdiction. MDE inspections of stormwater management facilities are performed for State and federal projects only. Upon issuance of a permit or authorization (whether by WMA's Sediment and Stormwater Plan Review Division or by the local sediment control approval authority), a project file is transferred to the Compliance Program where an inspection priority is assigned. Routine inspections are scheduled based on the assigned priority and as workload allows. Facilities are not given advance notification of routine inspections. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demand.

Stormwater and Erosion and Sediment Control are combined into one table because at the State level these projects are reviewed and approved as one project. For State and federal projects, plan review is performed by the Sediment, Stormwater, and Dam Safety Program (SSDS) and inspections are performed by the Compliance Program. All other projects are reviewed at the local level, and if delegated, inspected at the local level. In non-delegated jurisdictions, the MDE Compliance Program performs sediment control inspections. During FY14, the Compliance Program conducted an extensive review of its sediment approval files and its tracking system for them, and as a result many older sediment approvals no longer active or under the Program's jurisdiction were eliminated.

This resulted in a significant reduction in this year's number of approvals in effect when compared to FY13.

Inspections performed related to an NPDES permit for the discharge of stormwater associated with construction activities are included in the table for surface water discharges.

### **SUCSESSES/CHALLENGES**

Although inspections remain a priority, the WMA Compliance Program does not have a sufficient number of inspectors to meet the goal of inspecting every active construction site disturbing 5,000 square feet or more every two weeks. WMA focuses on large construction sites in non-delegated areas and State and federal projects, along with sites brought to MDE's attention by citizen complaints. The Compliance Program adjusted its erosion and sediment control inspection priorities in February 2013, which shifted the focus to large construction sites. Larger sites take longer to inspect, which translates to fewer sites visited, but their impact when in noncompliance can be much greater than small sites. There have also been inspector vacancies due to staff leaving State service that impacted the overall number of inspections performed.

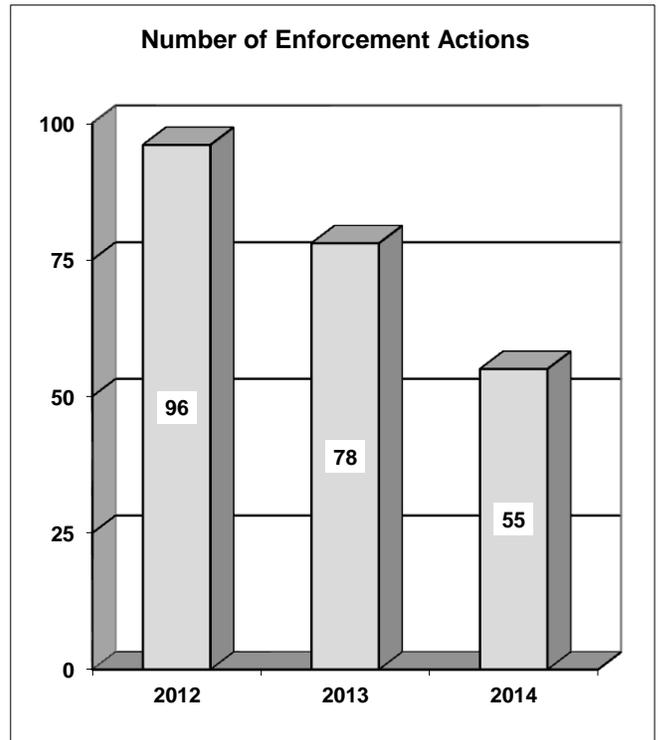
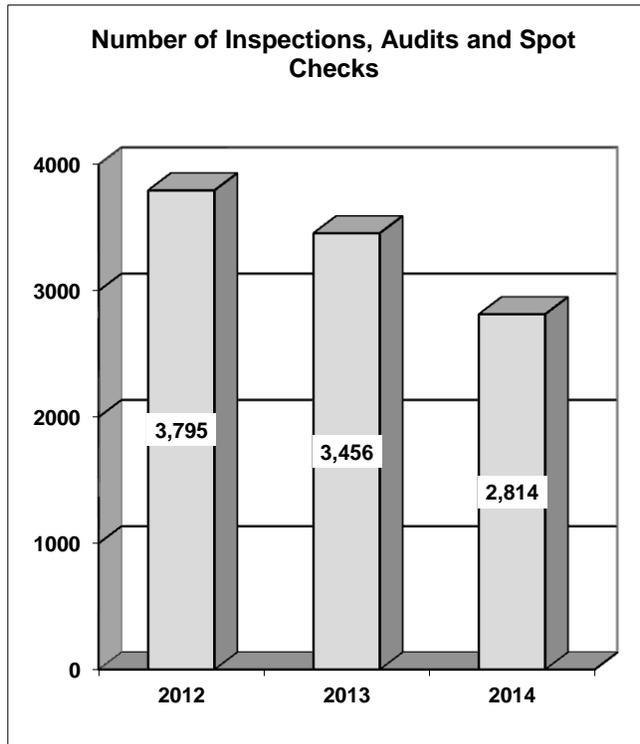
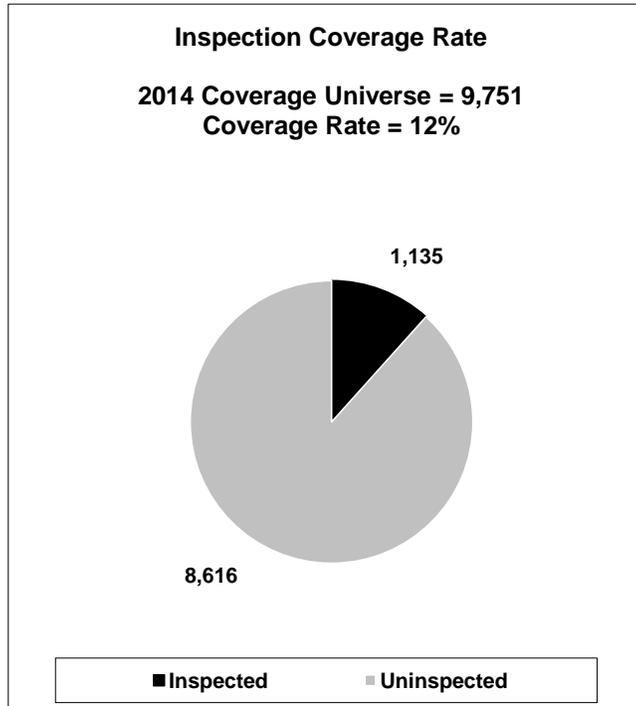
As in previous years, the Allegany, Caroline, Frederick, and Queen Anne's Soil Conservation Districts continued to perform Erosion and Sediment Control inspections on behalf of MDE as part of a Memorandum of Understanding. These districts are independent of county government. The numbers of sites inspected and numbers of inspections on the following table only include MDE's activities.

Because of the increase in State and federal project submissions caused by NPDES municipal stormwater permit retrofitting requirements, MDE sponsored a Bill (HB 97) during the 2013 legislative session enabling the Department to designate to various agencies plan review and approval authority. This Bill was signed into law and the SSDS is working currently with the State Highway Administration (SHA) and the Maryland Transit Administration (MdTA) to develop the procedures, reporting requirements, and oversight responsibilities so that the Program's workload can be more manageable. Memoranda of understanding have been executed with both SHA and MdTA and when the transfer of erosion and sediment control and stormwater plan review authority is complete to each agency, SSDS's workload will be more appropriate for the current staff level.

## Stormwater Management and Erosion & Sediment Control for Construction Activity

| Performance Measure   | TOTAL   |
|---|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |
| Number of approvals issued  | 277   |
| Number of approvals in effect at fiscal year end  | 9,751   |
| <b>INSPECTIONS</b>  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 1,135   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 1,135   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 2,814   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 2,814   |
| <b>COMPLIANCE PROFILE</b>   |   |
| Number of inspected sites/facilities with significant violations  | 36  |
| Percentage of inspected sites/facilities with significant violations  | 3%  |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 12%   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |
| Number of significant violations involving environmental or health impact                                   | 37  |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 135   |
| Total number of significant violations (sum of the three measures above)                                    | 171   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |
| Resolved  | 55  |
| Ongoing   | 116   |
| <b>ENFORCEMENT ACTIONS</b>  |   |
| Number of compliance assistance rendered  | 5   |
|   | Administrative      Civil/Judicial      Total     |
| Number of show cause, remedial, corrective actions issued   | 1                      2                      3   |
| Number of stop work orders  | 2                      0                      2   |
| Number of injunctions obtained  | 0                      0                      0   |
| Number of penalty and other enforcement actions   | 50                      0                      50 |
| Number of referrals to Attorney General for possible criminal action  | 0   |
| <b>PENALTIES</b>  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$535,916   |

# Stormwater Management and Erosion & Sediment Control for Construction Activity



# Water Supply Program

## **PURPOSE**

The mission of the Water Supply Program (WSP) is to ensure that public drinking water systems provide safe and adequate water to all current and future users in Maryland, and that appropriate usage, planning, and conservation policies are implemented for Maryland's water resources. This mission is accomplished through proper planning for water withdrawal, protection of water sources that are used for public water supplies, oversight and enforcement of routine water quality monitoring at public water systems, regular on-site inspections of water systems, review of design plans for new or upgraded water treatment, and prompt response to water supply emergencies. In addition to ensuring that public drinking water systems meet federal and State requirements under the Public Water System Supervision program, the WSP also administers the wellhead protection program, manages water resources, and issues water appropriation permits for both public and private water users, and commercial and agricultural entities statewide. Because all of these activities reside together in the WSP, Maryland has the unique opportunity to evaluate and regulate public drinking water systems from a broad perspective that includes an evaluation of the resource for both quantity and quality. The WSP's activities help to ensure safe drinking water for over five million Marylanders.

## **Community and Non-Transient Non-Community Water Systems**

The WSP regulates approximately 1,011 community water systems (including municipal, county, and private systems), and non-transient non-community water systems (such as businesses, schools, and day cares). These systems must test for over 90 regulated contaminants on schedules that vary based on water source, system type and population.

## **Transient Non-Community Water Systems**

In addition, there are approximately 2,366 transient non-community water systems (such as rest areas, gas stations, campgrounds, and restaurants) throughout the State, which are regularly inspected and tested for acute contaminants. Since 1998, the WSP has negotiated delegation agreements with county health departments for enforcement of Safe Drinking Water Act regulations for the transient non-community water systems. Nineteen of the twenty-three counties have accepted delegated authority for these systems, and the WSP has direct enforcement of the requirements for the four remaining counties.

## **Drinking Water Laboratory Certification**

This program is mandated by the federal Safe Drinking Water Act. The certification assures the reliability of the compliance samples that are analyzed by State-certified laboratories. Providing high quality data is critical to evaluating public water systems, and is the primary means of evaluating the safety of the drinking water supplies. The laboratories that are certified under this program are also used by the county health departments and other MDE programs to analyze drinking water for private wells, and for investigation of underground storage tanks.

## **Water Appropriation Permits**

The Water Supply Program (WSP) regulates water withdrawals and diversions through a permitting program to conserve and protect the State's water resources. Water uses for most purposes, including public supply, business, institutional, subdivision of land, or agricultural use over 10,000 gallons per day (gpd), require a permit. Groundwater users of 5,000 gpd or less may file for a Notice of Exemption in lieu of obtaining a permit unless the use is by a community water system, or within a designated water management strategy area. Maryland regulates water use under the doctrine of reasonable use. This means that the quantity must be reasonable for its intended purpose, the impacts of the use to the natural resources of the State must not be unreasonable, and the impacts to other users must not be unreasonable.

## **AUTHORITY**

### **Public Drinking Water and Drinking Water Laboratory Certification**

FEDERAL: Safe Drinking Water Act; 40 CFR 141, 142, and 143

STATE: Environment Article, Title 9, Subtitles 2, 4, and 5; COMAR 26.04.01 and COMAR 26.08.05

### **Water Appropriation Permits**

STATE: Environment Article, Title 5, Subtitles 2, 3, 4, and 5; COMAR 26.17.06 and COMAR 26.17.07

## **PROCESS**

### **Community and Non-Transient Non-Community Water Systems**

WSP uses a multiple-barrier approach to ensure that public drinking water systems in Maryland are able to provide a safe and adequate supply of drinking water to their consumers. This approach includes review and approval of potential water sources and construction plans; evaluation of a new system's technical, financial, and managerial capacity; regular inspection of drinking water facilities; close oversight of water quality monitoring; and ensuring licensed operators are employed by water treatment facilities.

Public water systems are required to conduct routine sampling of their water quality. The type and frequency of analysis depend on the type of system, its population, and the vulnerability of its water supply. WSP reviews and evaluates more than 37,000 water quality records each year. Emphasis is placed on preventive measures to avoid serious public health incidents. The vast majority of drinking water violations are corrected immediately, or following the issuance of a Notice of Violation. Systems must notify their consumers when violations of the Safe Drinking Water Act occur.

### **Transient Non-Community Water Systems**

Nineteen of the twenty-three counties are delegated responsibilities for transient non-community water systems. These counties conduct routine inspections and ensure that systems are monitored in accordance with State and federal requirements. Transient non-community water systems are required to monitor only for contaminants that have acute health risks, including nitrate, nitrite, and bacteria. In addition to providing funding, the WSP provides guidance and training to the counties, and reports health-based violations

to EPA for these systems. WSP conducts evaluations on all new public drinking water wells to determine whether groundwater systems are under the influence of surface water. Groundwater systems under the influence of surface water will be required to meet federally-mandated treatment technique requirements, and to conduct additional bacteria monitoring as well as turbidity monitoring. In addition, the WSP performs audits of the delegated counties every three years in order to determine that regulations are implemented appropriately.

WSP directly oversees implementation of federal and State regulations for 230 transient non-community water systems in Prince George's, Montgomery, Cecil, and Wicomico counties since these three counties declined acceptance of the delegated program and funding assistance. Oversight includes regular inspections of the systems, enforcement of monitoring requirements, and follow-up to occasional water quality problems that arise. WSP reports technical and health-based violations to EPA on a quarterly basis for these systems.

### **Drinking Water Laboratory Certification**

The Water Supply Program regulates approximately 105 in-State and out-of-State laboratories that analyze compliance samples for public drinking water systems. All in-state laboratories are inspected on a triennial basis. In addition, laboratories submit an annual renewal package that includes performance testing results for each approved test method, standard operating procedures, and method detection limit studies. An inspection is required before a laboratory receives certification, or approval for a new test method.

### **Water Appropriation Permits**

The Water Appropriation Permit review process is complex, and requires significant technical evaluation. Applicants are required to submit the results of aquifer tests and hydrogeologic investigations for review by program geologists in order to ensure proper management of Maryland's water resources. WSP staff conduct hydrogeologic investigations on behalf of agricultural applicants. In some cases, the WSP may determine that the requested withdrawal could have an unreasonable impact on the water resource and/or other users in the vicinity and, as a result, the permit request is denied or modified.

Replacement of the program's aging water appropriation permitting database was completed in FY 2014. The new data management system uses a web-based format that will allow applicants to apply for permits and fulfill reporting requirements online. The system is geographically based, and project managers can more easily analyze withdrawal requests and evaluate their impacts in relation to other nearby permits. In addition, the systems have a public portal that allows any user to access permit information.

In FY 2014, 666 water appropriation permits were issued. At the end of the FY 2014, there were 9,981 active permits reflecting a total annual average authorized use of about 10 billion gallons per day.

## **SUCSESSES/CHALLENGES**

### **Community and Non-transient Non-community Water Systems**

In FY 2014, Maryland continued implementation of the new federal drinking water regulations. These regulations are complex, and, in many cases, result in increased monitoring and capital costs for the regulated communities. To assist them with meeting the compliance requirements of the newly adopted rules, WSP provided training and on-site technical assistance to impacted water systems throughout the State. However, it is typical that even with the additional assistance from the WSP, the affected systems have difficulties with the implementation of new regulations in the first years after the rules become effective resulting in an increase in the number of technical violations. This fiscal year our data highlights improved compliance with existing regulations as new rules are phased-in for community and non-transient non-community water systems.

In FY 2013, the Department awarded a contract to replace the current program database that was developed in the early 1990s with the EPA SDWIS-State database. The new system will be modified to incorporate activities that are available in the program's existing system, and will be web-based to improve access by the public. The new system is scheduled to be completed in 2015.

### **Water Appropriation Permits**

The Department awarded a contract to build a new database management system that will replace the existing legacy system. The new system became active in April 2014. The system has the ability to track compliance with permit conditions and any subsequent enforcement actions. Users will have easy access to data that will help the Department to better ensure that permittees meet requirements established in their permits.

The Water Supply Program is in the process of revising its regulations to incorporate statutory changes that provide the Department with the authority to allocate additional water to public water systems that serve municipal corporations or priority funding areas in Frederick, Carroll, and Washington Counties that were established prior to January 1, 2000. The revised regulations were proposed in November 2013. Based on comments received from stakeholders, the Department revised the regulations and will re-propose, with final regulations expected in the fall of 2014.

During FY2014, the WSP continued to provide additional enforcement focus on the special conditions in Water Appropriation and Use permits, including requirements for intake screening and flow-by conditions that are intended to protect aquatic resources. Notices of violation were sent to systems with outstanding reporting requirements, expired permits, and those who used water in excess of their permitted allocation. These activities will be drastically reduced in FY 2015, due to staff turnover.

The Department filed its first civil penalty action for violation of water appropriation law during FY2014. The civil action filed in Talbot County Circuit Court sought civil penalties and injunctive relief for unauthorized use of water between November 2008 and October 2012. The Department determined that more than 10,000 gallons of water per day on an

annual average was used to irrigate two adjacent farms without a Water Appropriation and Use permit. In January 2014, the Department entered into a Consent Order and Agreement with the farmer who appropriated the groundwater. The farmer has agreed to pay a penalty of \$40,000, install water meters and implement field level water management practices. Twenty thousand dollars will be paid over the next three years. Payment of the remaining \$20,000 will be suspended for three years contingent upon compliance with the Water Appropriation and Use permit issued in February 2014.

### **Laboratory Certification**

The Environmental Protection Agency (EPA) requires that all certification officers are trained and certified by EPA. Certification training is only offered once per year by EPA. WSP sent one staff from another unit to the training and following certification the staff was transferred to the lab section. WSP now has three certification officers that are fully trained. In FY 2014, the Laboratory Certification Program was able to complete all triennial inspections for the year. Maryland's ratio of laboratories per certification officer is about 35 labs for each certification officer which is the highest in the region. A typical ratio for other states is about 8 to 10 per lab certification officer

### **Public Water System Enforcement**

450 notices of violation were issued to 166 community and non-transient non-community water systems. 58 of these water systems had violations that were based on exceeding drinking water health standards. The remaining violations were technical violations.

In FY2014, the WSP enforcement section issued 211 formal notices of violation, and \$8,250 was collected for significant violations.



# Water Supply Program

## Community and Non-Transient Non-Community Water Systems

| Performance Measure   | TOTAL          |                |         |
|---|----------------|----------------|---------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |         |
| Number of permits/licenses issued   | 0              |                |         |
| Number of permits/licenses in effect at fiscal year end   | 0              |                |         |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                |                |         |
| Number of community and non-transient non-community water systems *   | 1,011          |                |         |
| <b>INSPECTIONS</b>  |                |                |         |
| Number of sites inspected ("inspected" defined as at the site)  | 685            |                |         |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 334            |                |         |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 1,019          |                |         |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 685            |                |         |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 24,556         |                |         |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 25,241         |                |         |
| <b>COMPLIANCE PROFILE</b>   |                |                |         |
| Number of inspected sites/facilities with significant violations **   | 0              |                |         |
| Percentage of inspected sites/facilities with significant violations  | 0%             |                |         |
| Inspection coverage rate (number of sites inspected/coverage universe) ***                                  | 67%            |                |         |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |         |
| Number of significant violations involving environmental or health impact                                   | 0              |                |         |
| Number of significant violations based on technical/preventative deficiencies                               | 0              |                |         |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 2              |                |         |
| Total number of significant violations (sum of the three measures above)                                    | 2              |                |         |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |         |
| Resolved  | 0              |                |         |
| Ongoing   | 2              |                |         |
| <b>ENFORCEMENT ACTIONS</b>  |                |                |         |
| Number of compliance assistance rendered ****   |                |                | 1,019   |
|   | Administrative | Civil/Judicial | Total   |
| Number of show cause, remedial, corrective actions issued   | 0              | 0              | 0       |
| Number of stop work orders  | 0              | 0              | 0       |
| Number of injunctions obtained  | 0              | 0              | 0       |
| Number of penalty and other enforcement actions   | 450            | 0              | 450     |
| Notices given to public by water systems under Section 9-410  |                |                | 116     |
| Number of referrals to Attorney General for possible criminal action  |                |                | 0       |
| <b>PENALTIES</b>  |                |                |         |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |                |                | \$1,250 |

\* This number is the total number of systems at the end of the fiscal year. This number can fluctuate throughout the year. The coverage universe is 1,019.

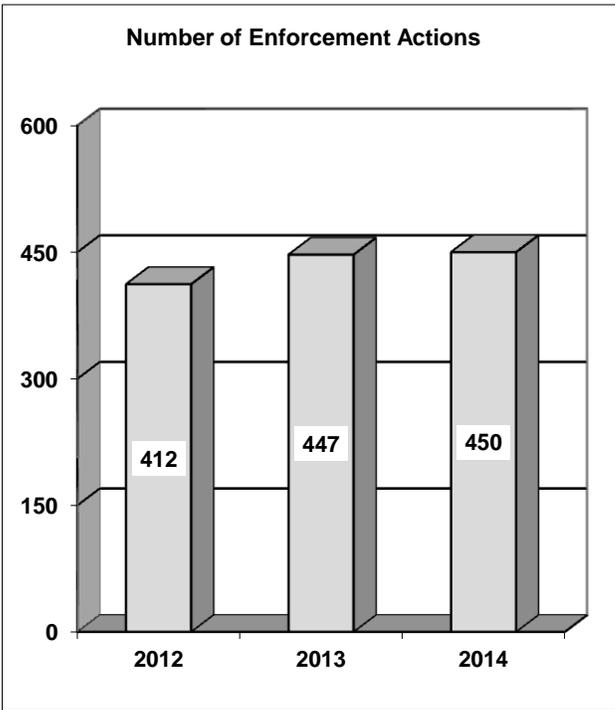
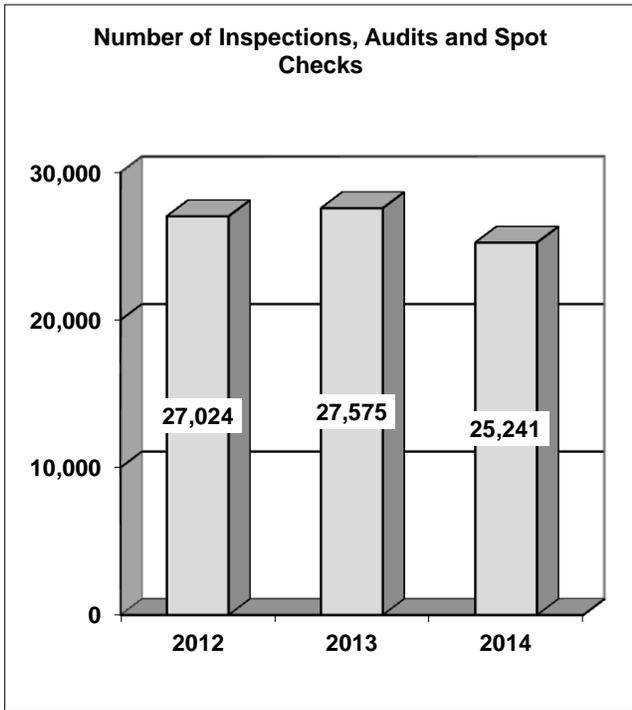
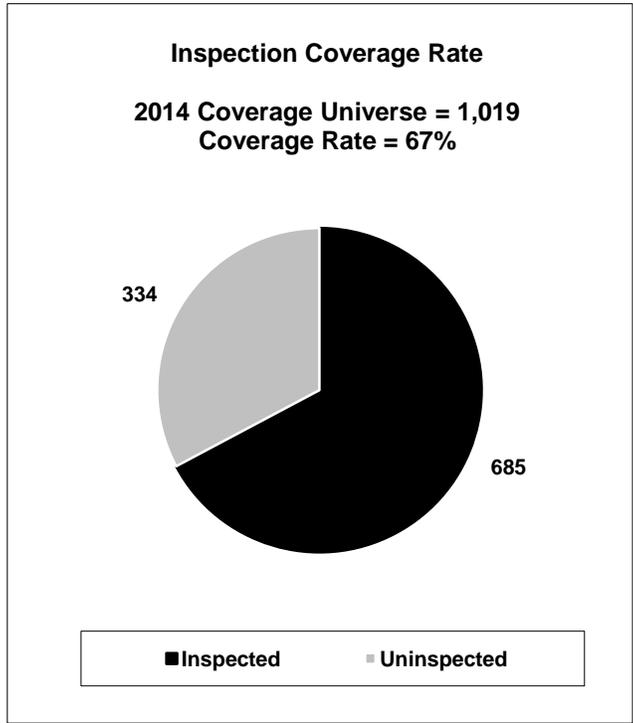
\*\* Number of sites in significant violation includes sites with violations carried over. MDE adopted a new policy for significant violations that was implemented in FY 2009.

\*\*\* Coverage rate is computed by dividing the number of inspected systems by the total number of community and non-transient non-community water systems.

\*\*\*\* This number includes actions to inform public water systems of monitoring requirements under the Safe Drinking Water Act.

# Water Supply Program

## Community and Non-transient Non-Community Water Systems



# Water Supply Program

## Transient Non-Community Water Systems

| Performance Measure   | TOTAL          |                |       |
|---|----------------|----------------|-------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |       |
| Number of permits/licenses issued   | N/A            |                |       |
| Number of permits/licenses in effect at fiscal year end   | N/A            |                |       |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                |                |       |
| Number of transient non-community water systems   | 2,366          |                |       |
| <b>INSPECTIONS</b>  |                |                |       |
| Number of sites inspected ("inspected" defined as at the site)  | 408            |                |       |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 1,818          |                |       |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 2,102          |                |       |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 408            |                |       |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 12,187         |                |       |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 12,595         |                |       |
| <b>COMPLIANCE PROFILE</b>   |                |                |       |
| Number of inspected sites/facilities with significant violations  | 0              |                |       |
| Percentage of inspected sites/facilities with significant violations  | 0%             |                |       |
| Inspection coverage rate (number of sites inspected/coverage universe) *                                    | 17%            |                |       |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |       |
| Number of significant violations involving environmental or health impact                                   | 0              |                |       |
| Number of significant violations based on technical/preventative deficiencies                               | 0              |                |       |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 2              |                |       |
| Total number of significant violations (sum of the three measures above)                                    | 2              |                |       |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |       |
| Resolved  | 0              |                |       |
| Ongoing   | 2              |                |       |
| <b>ENFORCEMENT ACTIONS</b>  |                |                |       |
| Number of compliance assistance rendered  | 0              |                |       |
|   | Administrative | Civil/Judicial | Total |
| Number of show cause, remedial, corrective actions issued   | 0              | 0              | 0     |
| Number of stop work orders  | 0              | 0              | 0     |
| Number of injunctions obtained  | 0              | 0              | 0     |
| Number of penalty and other enforcement actions   | 306            | 0              | 306   |
| Notices given to public by water systems under Section 9-410 **   | 175            |                |       |
| Number of referrals to Attorney General for possible criminal action  | 0              |                |       |
| <b>PENALTIES</b>  |                |                |       |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$0            |                |       |

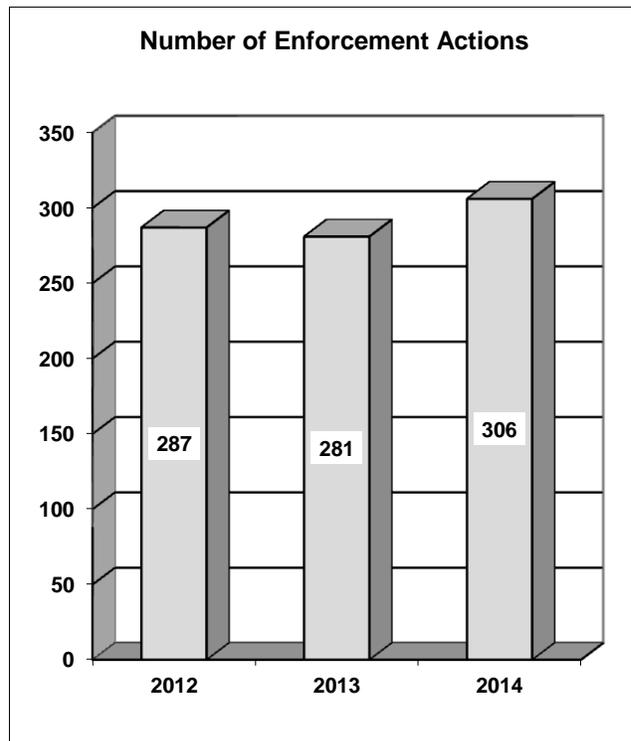
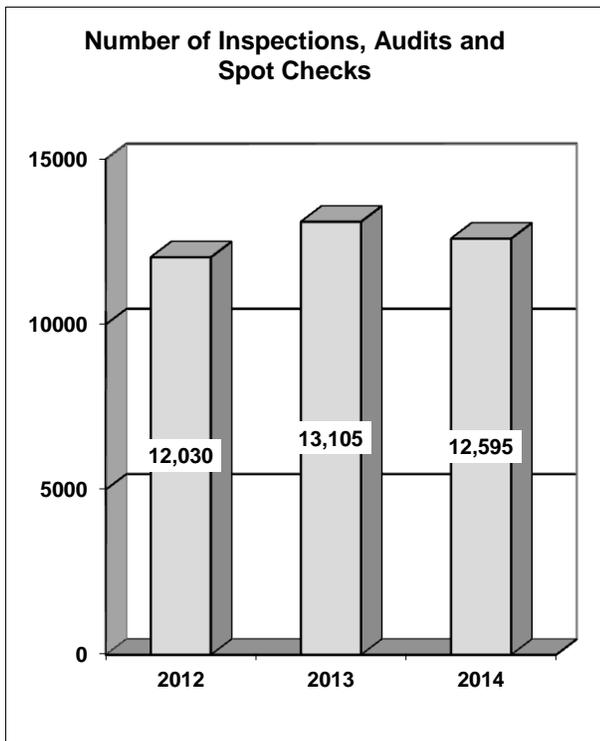
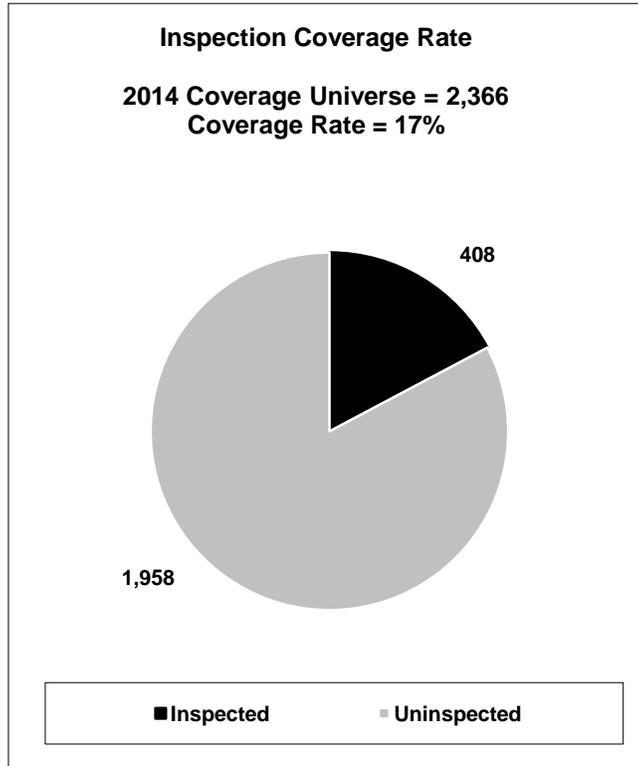
\* Coverage rate is computed by dividing the number of inspected systems by the total number of transient non-community water systems.

\*\* This number includes actions to inform public water systems of monitoring requirements under the Safe Drinking Water Act.

Note: MDE adopted a new policy for significant violations that was implemented in FY 2009.

# Water Supply Program

## Transient Non-Community Water Systems



# Water Supply Program

## Drinking Water Laboratory Certification

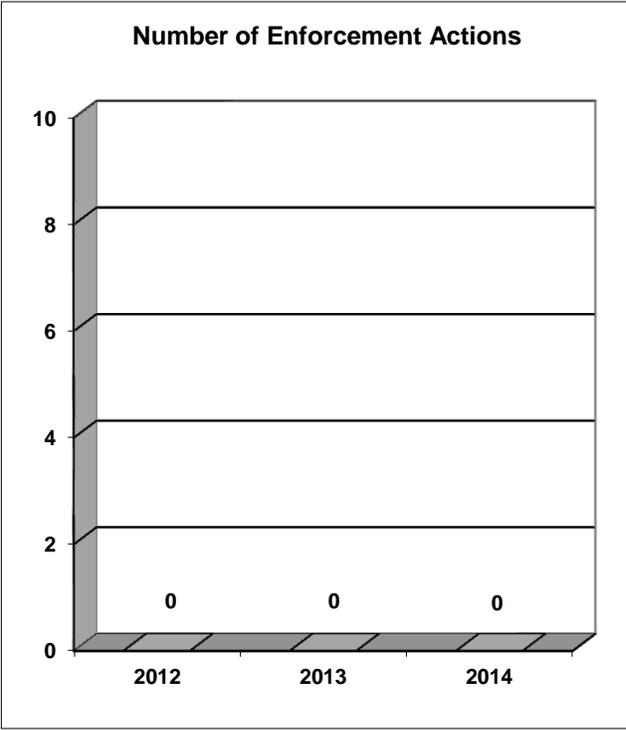
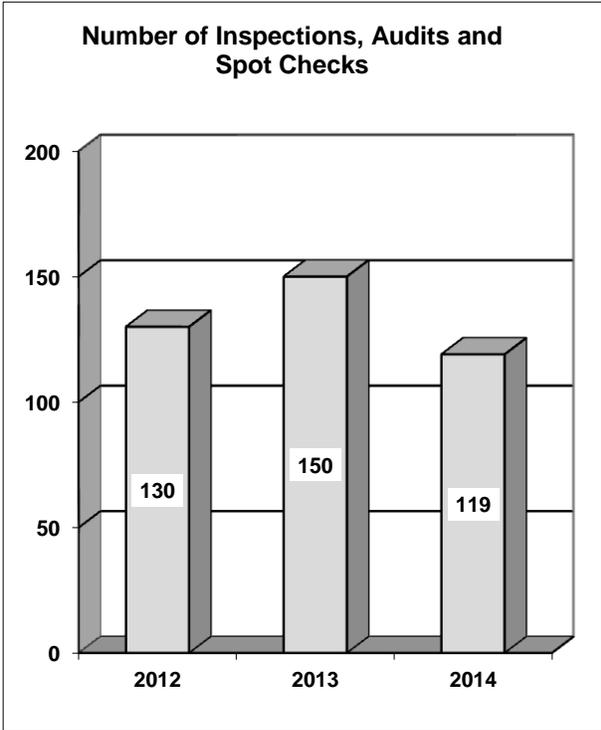
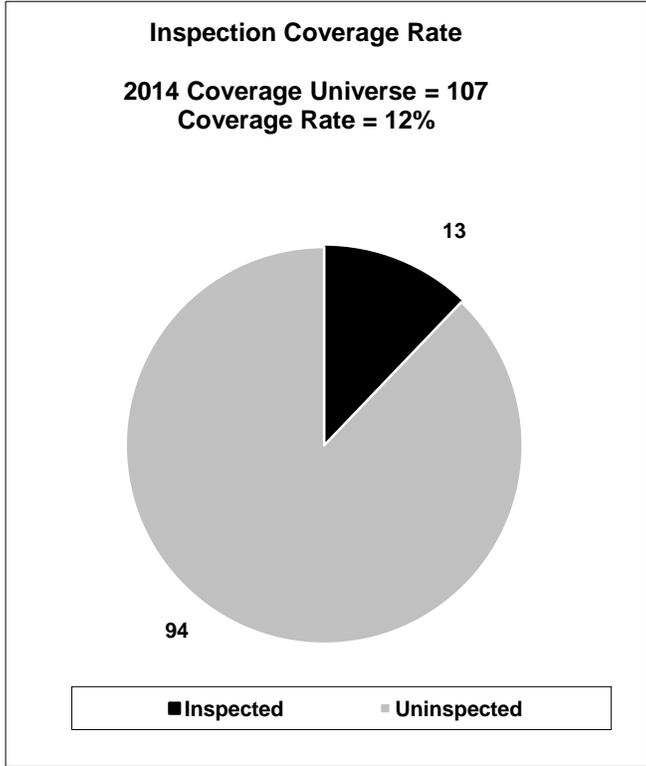
| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of permits/licenses issued   | 104   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of permits/licenses in effect at fiscal year end   | 104   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of state-certified drinking water laboratories*  | 107   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of sites inspected ("inspected" defined as at the site)  | 13  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 94  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 107   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 17  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 102   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 119   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of inspected sites/facilities with significant violations  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Percentage of inspected sites/facilities with significant violations  | 0%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Inspection coverage rate (number of sites inspected/coverage universe)*                                     | 12%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of significant violations involving environmental or health impact                                   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Total number of significant violations (sum of the three measures above)                                    | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Resolved  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Ongoing   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 0 | 0 | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of penalty and other enforcement actions   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Notices given to public by water systems under Section 9-410  | N/A   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Number of referrals to Attorney General for possible criminal action  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |

\* This is the total number of laboratories that had certification during the fiscal year and may be greater than the number in effect at the end of the fiscal year.

\*\* Coverage rate is computed by dividing the number of inspected systems by the total number of water quality laboratories.

# Water Supply Program

## Drinking Water Laboratory Certification



# Water Supply Program

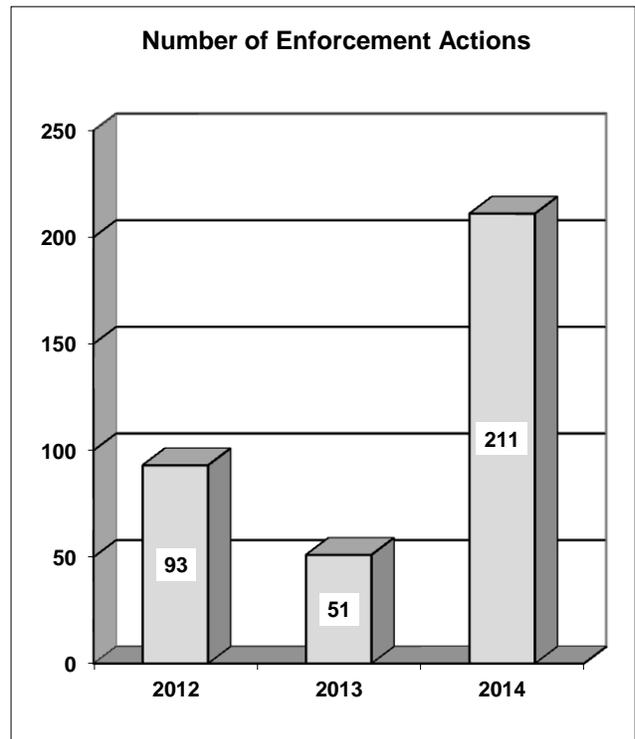
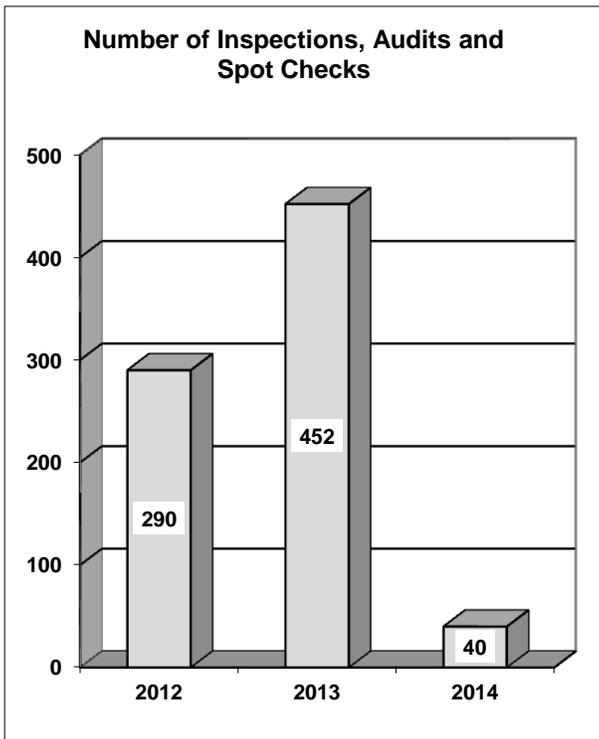
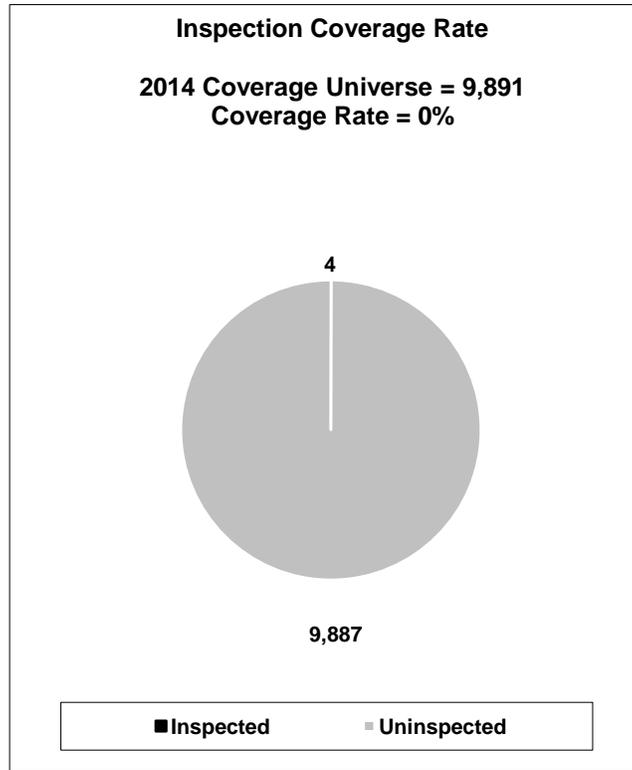
## Water Appropriation Permits

| Performance Measure   |                | TOTAL          |         |
|---|----------------|----------------|---------|
| <b>PERMITTED SITES/FACILITIES</b>   |                |                |         |
| Number of permits/licenses issued   |                | 666            |         |
| Number of permits/licenses in effect at fiscal year end   |                | 9,891          |         |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |                |                |         |
|   |                | N/A            |         |
| <b>INSPECTIONS</b>  |                |                |         |
| Number of sites inspected ("inspected" defined as at the site)  |                | 4              |         |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) |                | 36             |         |
| Number of sites evaluated for compliance (sum of the two measures above)                                    |                | 40             |         |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      |                | 4              |         |
| Number of audits (captures number of reviews of file/submittals for compliance)                             |                | 36             |         |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  |                | 40             |         |
| <b>COMPLIANCE PROFILE*</b>  |                |                |         |
| Number of inspected sites/facilities with significant violations  |                | 0              |         |
| Percentage of inspected sites/facilities with significant violations  |                | 0%             |         |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      |                | 0.0%           |         |
| <b>SIGNIFICANT VIOLATIONS</b>   |                |                |         |
| Number of significant violations involving environmental or health impact                                   |                | 0              |         |
| Number of significant violations based on technical/preventative deficiencies                               |                | 0              |         |
| Number of significant violations carried over awaiting disposition from previous fiscal year                |                | 0              |         |
| Total number of significant violations (sum of the three measures above)                                    |                | 0              |         |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |                |                |         |
| Resolved  |                | 0              |         |
| Ongoing   |                | 0              |         |
| <b>ENFORCEMENT ACTIONS</b>  |                |                |         |
| Number of compliance assistance rendered  |                | 7,503          |         |
|   | Administrative | Civil/Judicial | Total   |
| Number of show cause, remedial, corrective actions issued   | 0              | 0              | 0       |
| Number of stop work orders  | 0              | 0              | 0       |
| Number of injunctions obtained  | 0              | 0              | 0       |
| Number of penalty and other enforcement actions   | 211            | 0              | 211     |
| Notices given to public by water systems under Section 9-410  |                |                | N/A     |
| Number of referrals to Attorney General for possible criminal action  |                |                | 0       |
| <b>PENALTIES</b>  |                |                |         |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |                |                | \$7,000 |

\* This activity does not include inspections. Annual or semiannual reports are required for certain water appropriation permits.

# Water Supply Program

## Water Appropriation Permits



# Waterway Construction – Dam Safety

## PURPOSE

The purpose of the Dam Safety Division is to ensure that dams and other impoundment structures are designed, constructed, operated, and maintained safely, in order to protect public safety. The Dam Safety Division issues waterway construction permits for new dams and ponds, as well as for modifications to existing water impoundments. In addition, the Dam Safety Division conducts safety inspections of existing dams, conducts construction inspections, and provides technical assistance to dam owners and local Soil Conservation Districts (SCDs).

Many dams in Maryland were constructed decades ago and are now showing signs of deterioration. In order to provide safe service, dams require frequent safety inspections, monitoring, maintenance, and rehabilitation. In addition to larger dams, thousands of smaller dams (typically under 20 feet high) were constructed decades ago with corrugated metal pipe spillways. Often constructed on farms that have since been developed into residential communities, many of these dams are now in poor condition and threaten the safety of residents who live in newer homes constructed downstream of them.

The Dam Safety Division, through its dam inspection, dam owner assistance, permitting, and enforcement activities, seeks to prevent dam failures and the resultant loss of life, property damage, and environmental impacts. In addition to possible loss of life and significant property damage, significant erosion of stream channels and sediment deposition occur downstream of a failed embankment structure. In addition, dam failures can cause significant damage to wetlands and habitat, both aquatic and terrestrial, through the destructive force of the depth and velocity of the flood wave.

## AUTHORITY

STATE: Environment Article, Title 5, Subtitle 5; COMAR 26.17.04

## PROCESS

Upon issuance of a permit, copies of the approved plans and a copy of the Permit are forwarded to the Compliance Program. Dam Safety Division engineers conduct quality assurance inspections. The Compliance Program may inspect the site to determine whether construction has begun, perform sediment control inspections at the request of the Dam Safety Division, or respond to citizens' complaints.

Dams are classified into three categories according to the consequences of a potential failure:

- High Hazard: loss of life and significant property damage
- Significant Hazard: property/infrastructure damage
- Low Hazard: damage to floodplain and the dam itself

The inspection frequency is based on national guidelines and is responsive to the potential failure consequences as follows:

| <b>Hazard Class</b> | <b>Number in Category</b> | <b>Inspection Frequency</b> | <b>Sites Targeted/Year</b> |
|---------------------|---------------------------|-----------------------------|----------------------------|
| High                | 81                        | Annually                    | 81                         |
| Significant         | 114                       | Every 3 years               | 38                         |
| Low                 | 244                       | Every 6 years               | 40                         |
| <b>Total</b>        | <b>439</b>                | --                          | <b>159</b>                 |

In addition, the Division inspects sites with permits to construct new dams, reinspects existing dams when problems are found during the initial inspection, and inspects SCD ponds and Natural Resources Conservation Service dams.

Based upon the inspection findings, the Dam Safety Division may initiate enforcement actions, varying from a letter advising the owner to correct routine deficiencies up to issuing an order requiring immediate repairs to be performed or removing the structure due to an unsafe condition. MDE does not have the statutory authority to collect administrative or civil penalties for this program. However, MDE has statutory authority to collect criminal penalties.

### **SUCCESSSES/CHALLENGES**

Maryland’s inventory of dams contains a total of 496 structures. 57 dams have been breached, leaving a total of 439 that are operational. Of these, 81 dams are considered “high hazard,” 114 are “significant hazard,” and 244 are “low hazard.” The Dam Safety Division performed 251 inspections in FY2014. A total of 69 “high hazard” dams out of 82 have been inspected with the remaining structures scheduled for inspection by the end of calendar year 2013.

As shown below, 611 permits were in effect as of the end of FY 2014. This number reflects the number of inventoried dams (439) plus the number of maintenance and repair permits issued.

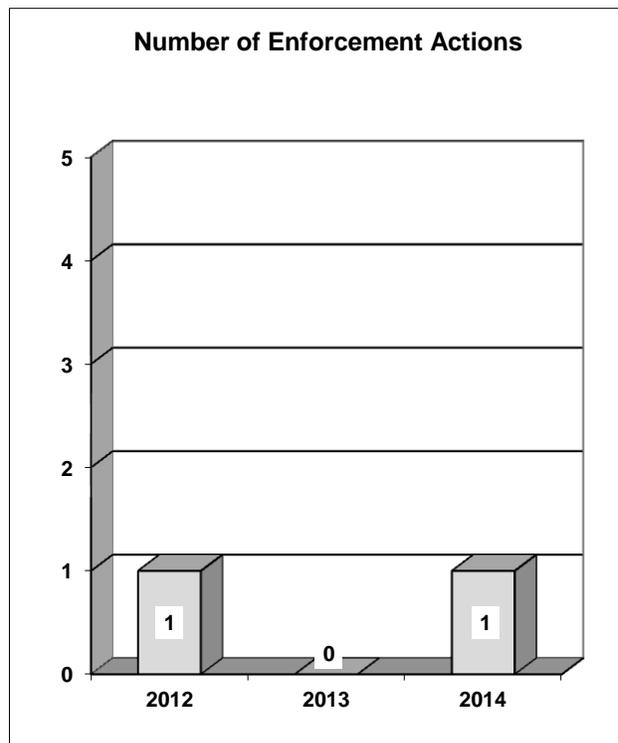
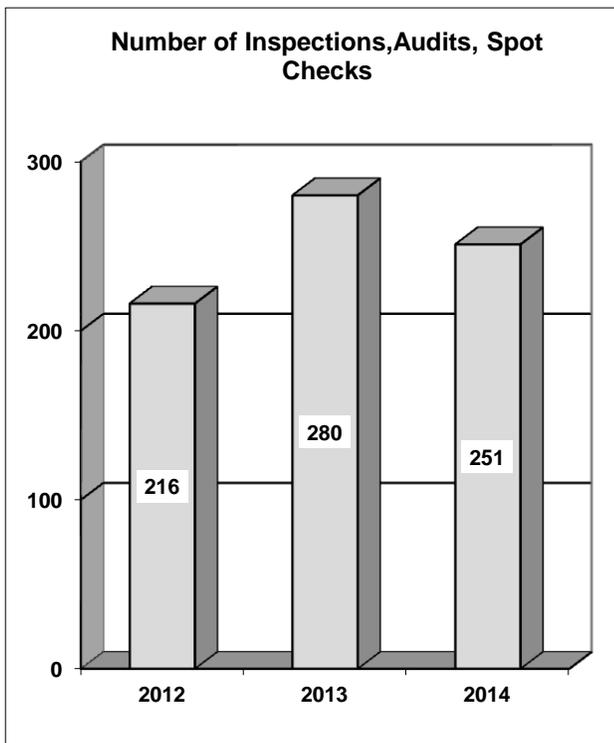
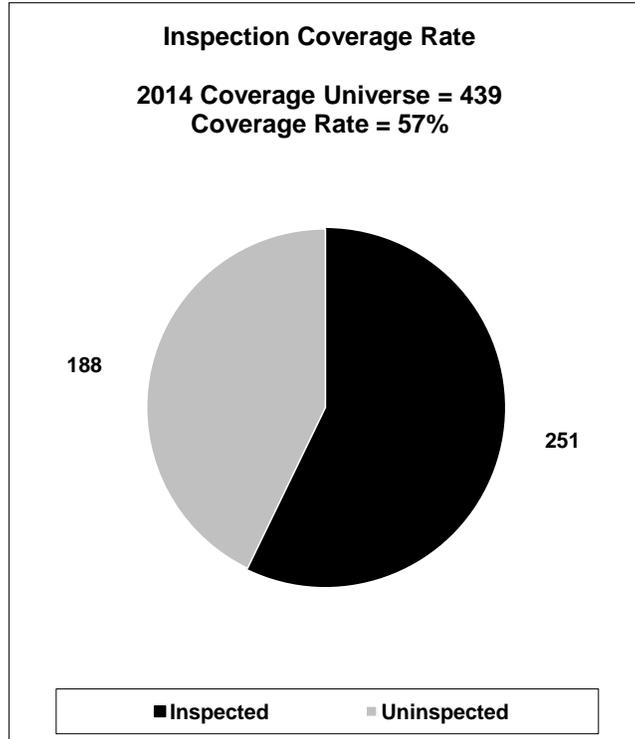
The total number of dams required to be inspected by the Dam Safety Division plus the small pond permits that have been issued over the last several years have made it very difficult for MDE to keep up with routine evaluations of dams that are on Maryland’s inventory. The Division receives many weekly requests for technical expertise regarding small embankment facilities that are not its direct responsibility. This has taxed current staff. The Division is engaging the soil conservation districts and local county stormwater management officials in helping with this extra workload. In some areas of the State, this has helped significantly. The Division will continue these efforts in the future.

## Waterway Construction – Dam Safety

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|---|---|---|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses issued   | 9   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 611   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>OTHER REGULATED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Dams in operation   | 439   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 251   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)   | 251   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 251   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 251   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 10  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 4%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)*                                     | 57%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 9   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 16  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 25  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Resolved  | 6   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Ongoing   | 19  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of compliance assistance rendered  | 251   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">1</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 0 | 0 | 0 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 0 | 1 | 1 | Number of referrals to Attorney General for possible criminal action |  |  | 1 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions   | 0   | 1              | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of penalty and other enforcement actions   | 0   | 1              | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 1              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |   |                | \$0            |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |   |   |   |  |  |  |   |

\* Coverage rate above is computed as the total number of sites inspected and dividing that by the dams in operation. See narrative for more detail about the Dam Safety Division’s approach to inspection frequency.

# Waterway Construction – Dam Safety



# **Wetlands and Waterways Non-Tidal and Floodplain**

## **PURPOSE**

The goal of the Non-Tidal Wetlands Protection Act is to attain no net loss in non-tidal wetland acreage and to strive for a net resource gain in non-tidal wetlands over present conditions. One of the mechanisms established by the Act to accomplish this goal is a comprehensive regulatory program that targets all activities that have a potential to adversely impact non-tidal wetlands. These activities include the following:

- Removal, excavation, or dredging of soil or materials of any kind;
- Changing existing drainage or flood retention characteristics;
- Disturbance of the water level or water table by drainage, impoundment, or other means;
- Filling, dumping, discharging of material, driving piles, or placing obstructions;
- Grading or removal of material that would alter existing topography; and
- Destruction or removal of plant life.

Through its permit application review process, MDE first prevents wetland loss by requiring the applicant to evaluate project designs that will avoid wetland impacts. Based on this evaluation of alternatives, if MDE finds that impacts are unavoidable, the applicant is required to utilize the project design that will minimize the wetland impacts and provide appropriate mitigation for those impacts.

Mitigation, required for all unavoidable impacts that are authorized by MDE, means that the applicant must replace lost wetland acreage, function and value. This is usually accomplished by requiring the creation of new wetlands, restoration of relic wetlands, enhancement of degraded wetlands or some acceptable combination. MDE may also accept monetary compensation if it is determined that mitigation for non-tidal wetland losses is not a feasible alternative. For example, monetary compensation may be accepted if the size of the non-tidal wetland loss is less than one acre and a suitable mitigation site cannot be identified within the impacted watershed. The payment is deposited into the State's Non-Tidal Wetlands Compensation Fund and used by the State to construct non-tidal wetlands throughout Maryland.

In addition, MDE is also responsible for addressing potential impacts to the State's non-tidal waterways. Authorization is required to conduct any activity that changes the course, current or cross-section of a non-tidal stream or body of water, including the 100-year floodplain. Waterway construction activities are evaluated to ensure that they do not create flooding on upstream or downstream properties. Such activities are additionally evaluated to ensure protection of aquatic resources, including the maintenance of fish habitat and migration, from degradation.

## **AUTHORITY**

STATE: Environment Article, Title 5, Subtitles 5 and 9; COMAR 26.17 and 26.23

## **PROCESS**

Upon issuance of a permit, license, or authorization, the file is transferred to the Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities adhering to the assigned priority as workload allows. Facilities are not given advance notification of routine inspections. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demand. Inspections are performed to verify that the projects are in accordance with the authorization. Because a site may involve non-tidal wetland and/or 100-year floodplain impacts, inspections evaluate whether all the resultant construction impacts are in accordance with the permits. This may involve identifying or verifying a non-tidal wetland boundary and documenting findings in the inspection report. At sites where there may be 100-year floodplain impacts, it may be necessary to determine the floodplain boundary before project compliance can be determined.

During FY14, the Compliance Program shifted its tracking method for non-tidal permits to MDE's enterprise-wide system, TEMPO. TEMPO has more accurate information regarding the expiration date of permits than the Compliance Program's previous system. As a result, the number of permits in effect in this report is significantly less than in FY13.

MDE does not have the statutory authority to collect administrative penalties for this program.

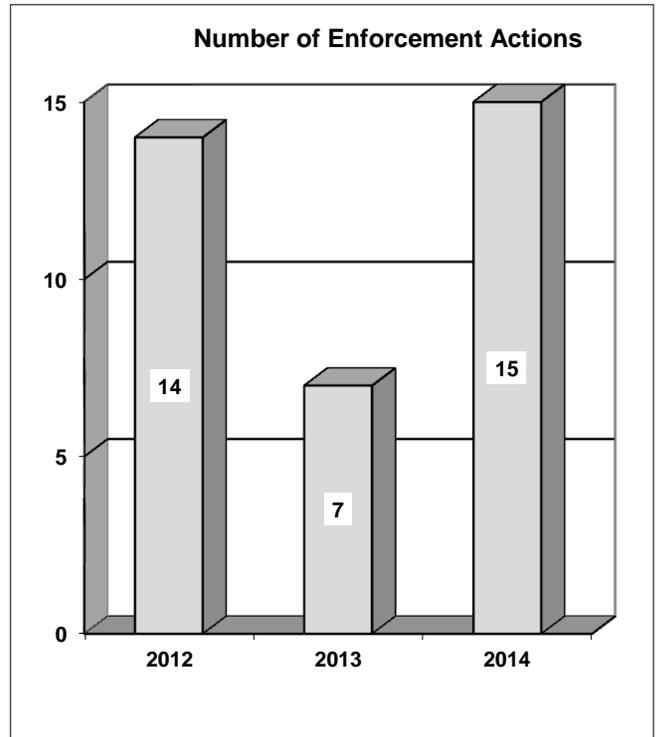
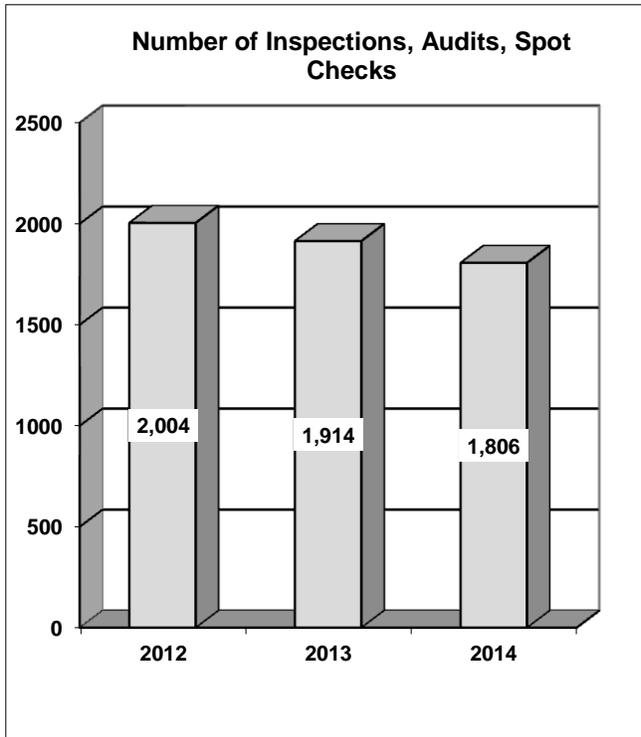
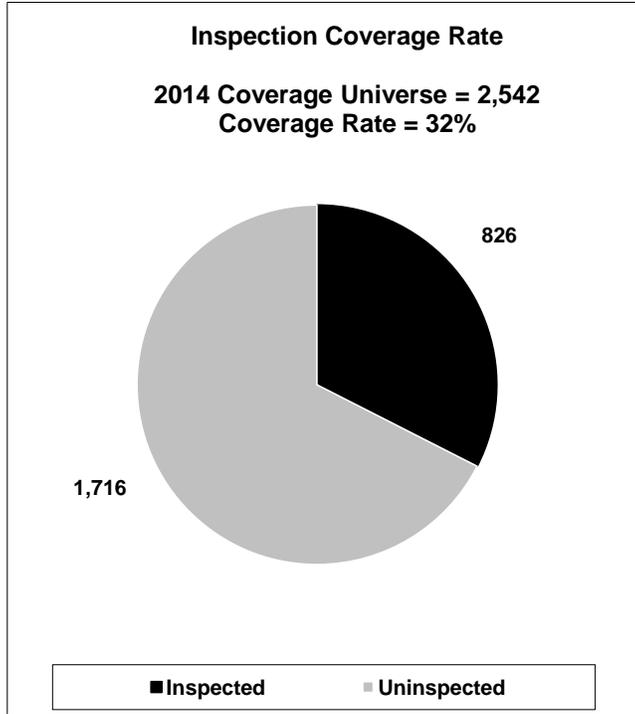
## **SUCSESSES/CHALLENGES**

WMA continues to inspect and take enforcement actions to address violations impacting non-tidal wetlands and waterways. WMA is currently pursuing a large number of enforcement cases involving nontidal wetlands through referrals to the Attorney General's Office, many as a result of investigation of citizen complaints. A challenge is the limited number of WMA inspectors, enforcement staff, and attorneys to handle legal actions.

## Wetlands and Waterways – Non-Tidal and Floodplain

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses issued   | 891   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 2,542   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 826   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 826   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 1,806   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 1,806   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 15  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 2%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 32%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 15  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 78  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 93  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved  | 21  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing   | 72  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">12</td> <td style="text-align: center;">0</td> <td style="text-align: center;">12</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 2 | 1 | 3 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 12 | 0 | 12 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 2   | 1              | 3              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 12  | 0              | 12             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 2   | 1              | 3              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 12  | 0              | 12             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$293,290   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

# Wetlands and Waterways – Non-Tidal and Floodplain



# Wetlands - Tidal

## PURPOSE

Tidal wetlands are open water and vegetated estuarine systems affected by the rise and fall of the tide. In 1970, the Maryland General Assembly recognized that many tidal wetlands had been lost or despoiled throughout the State by unregulated activities such as dredging, dumping and filling, and that remaining tidal wetlands were in jeopardy. The Wetlands and Riparian Rights Act established a comprehensive plan to restrict and regulate activities conducted in tidal wetlands in order to preserve and protect them.

Prior to enactment of the Wetlands and Riparian Rights Act, over 1,000 acres of wetlands were being destroyed throughout tidewater Maryland every year. Today, through its regulatory program, MDE strives for a net resource gain over present conditions. Tidal wetlands are managed to provide reasonable use while furnishing essential resource protection. Licenses are issued for activities conducted in State wetlands by the Maryland Board of Public Works, based on recommendations from MDE. Permits are issued directly by MDE for activities conducted in private wetlands. A license or permit must be obtained before a person dredges, fills or otherwise alters a tidal wetland.

The following projects require authorization from MDE if conducted in tidal wetlands: dredging or filling; shoreline protection projects, including marsh creation, stone revetments and bulkheads; piers; boat ramps; jetties, groins and breakwaters; cable crossings; storm drain systems; and similar structures. The regulatory process for tidal wetlands is similar to that described for non-tidal wetlands and waterways. Applications are evaluated to insure that appropriate steps are taken to first avoid, and then minimize impacts to tidal wetlands. Mitigation is required for unavoidable impacts, with the amount of mitigation based on resources impacted; type of mitigation proposed; and location of mitigation. In-kind and on-site mitigation is preferred and required wherever appropriate site conditions exist.

## AUTHORITY

STATE: Environmental Article Title 16; Subtitle 2; COMAR 26.24

## PROCESS

Upon issuance of a license/permit/authorization, the file is transferred to the Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities adhering to the assigned priority as workload allows. Facilities are not given advance notification of routine inspections. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demand. Inspections typically verify that the work being performed is in accordance with the work authorized and that all license or permit conditions are in compliance.

During FY14, the Compliance Program shifted its tracking method for tidal permits to MDE's enterprise-wide system, TEMPO. TEMPO has more accurate information regarding the expiration date of permits than the Compliance Program's previous system. As a result, the number of permits in effect in this report is significantly less than in FY13.

MDE does not have the statutory authority to collect administrative penalties for this program.

### **SUCSESSES/CHALLENGES**

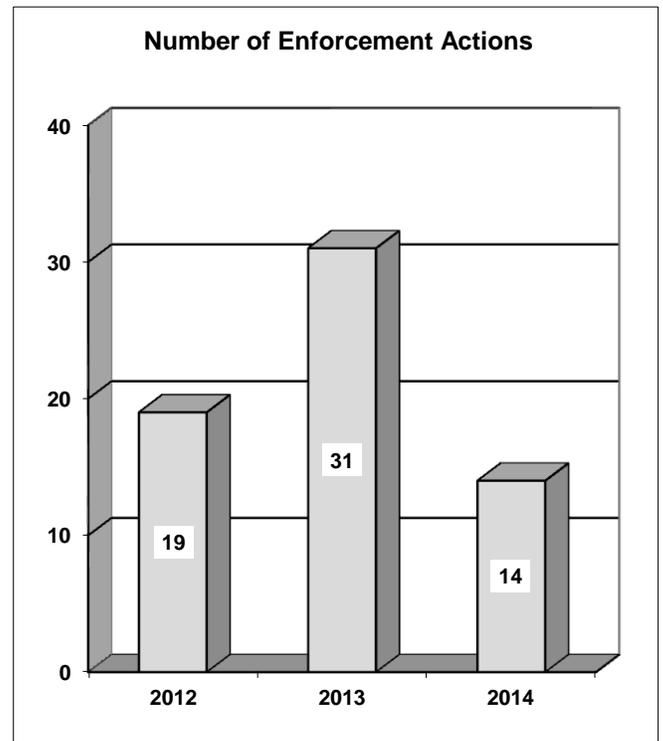
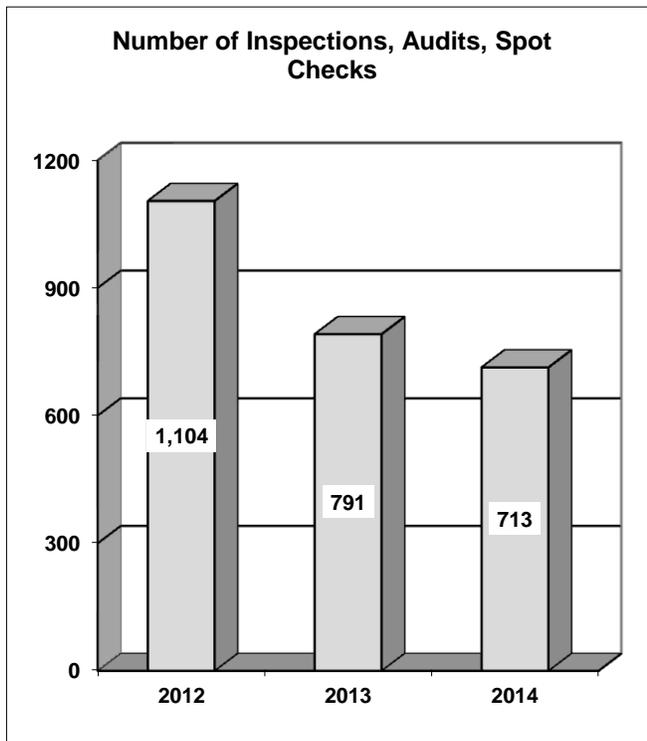
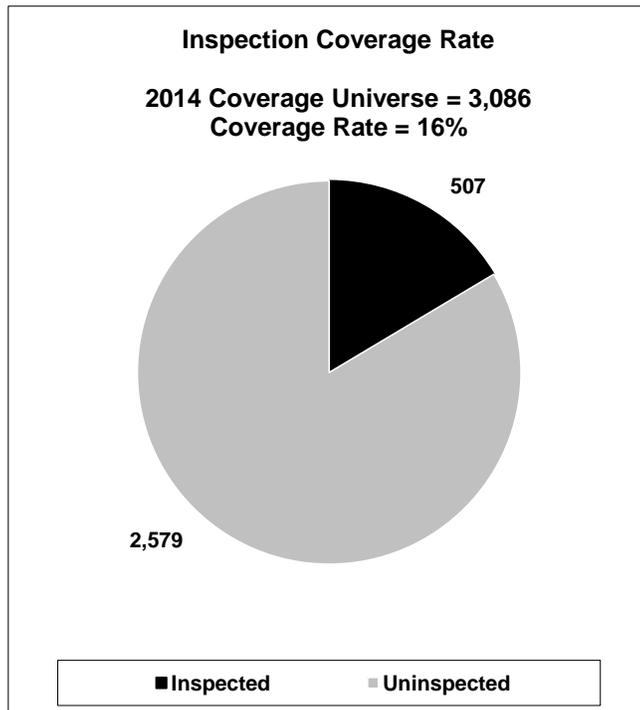
WMA actively worked in close cooperation with the Attorney General's Office to resolve numerous cases involving unauthorized impacts to tidal wetlands. Many of the cases are developed as the result of citizen complaints about pier extensions, adding boat lifts or boat houses, or building or extending bulkheads.

WMA is responding to a large number of citizen complaints in certain areas of the State to identify the majority of tidal wetlands violations through on-site inspections. Development of improved access to regular aerial photography of tidal coastlines with sufficient staff to review the information to identify work underway that has not been approved by MDE could help identify many other sites in violation. The on-site investigation and enforcement process is impacted by the limited number of inspectors, enforcement staff, and attorneys available to devote to tidal wetlands actions, and many cases will require significant time from identification to conclusion if a court action is needed.

## Wetlands – Tidal

| Performance Measure   | TOTAL   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|---|---|----------------|----------------|----------------|-------|---|---|---|---|----------------------------|---|---|---|--------------------------------|---|---|---|---|----|---|----|--|--|--|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses issued   | 933   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of permits/licenses in effect at fiscal year end   | 3,086   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>INSPECTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites inspected (“inspected” defined as at the site)  | 507   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 507   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 713   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 713   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>COMPLIANCE PROFILE</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of inspected sites/facilities with significant violations  | 12  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Percentage of inspected sites/facilities with significant violations  | 2%  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 16%   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations involving environmental or health impact                                   | 14  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 144   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Total number of significant violations (sum of the three measures above)                                    | 158   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Resolved  | 39  |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Ongoing   | 119   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>ENFORCEMENT ACTIONS</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of compliance assistance rendered  | 0   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Administrative</th> <th style="width: 25%;">Civil/Judicial</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Number of show cause, remedial, corrective actions issued</td> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Number of stop work orders</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of injunctions obtained</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Number of penalty and other enforcement actions</td> <td style="text-align: center;">10</td> <td style="text-align: center;">0</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="2"></td> <td style="text-align: center;">0</td> </tr> </tbody> </table> |                | Administrative | Civil/Judicial | Total | Number of show cause, remedial, corrective actions issued | 4 | 0 | 4 | Number of stop work orders | 0 | 0 | 0 | Number of injunctions obtained | 0 | 0 | 0 | Number of penalty and other enforcement actions | 10 | 0 | 10 | Number of referrals to Attorney General for possible criminal action |  |  | 0 |
|   | Administrative  | Civil/Judicial | Total          |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 4   | 0              | 4              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 10  | 0              | 10             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of show cause, remedial, corrective actions issued   | 4   | 0              | 4              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of stop work orders  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of injunctions obtained  | 0   | 0              | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of penalty and other enforcement actions   | 10  | 0              | 10             |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Number of referrals to Attorney General for possible criminal action  |   |                | 0              |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| <b>PENALTIES</b>  |   |                |                |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   |   |                | \$95,453       |                |       |   |   |   |   |                            |   |   |   |                                |   |   |   |   |    |   |    |  |  |  |   |

# Wetlands – Tidal



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**OFFICE OF BUDGET AND  
INFRASTRUCTURE FINANCING**

# Water Supply and Sewerage Construction

## PURPOSE

Adequate water and sewer infrastructure is essential to public health and water quality protection. Water and sewerage construction permits help ensure that projects for water and sewerage are designed and constructed in accordance with sound engineering principles and comply with the State design guidelines to protect water quality and public health. These permits are required before installing, extending or modifying community water supply and/or sewerage systems including treatment plants, pumping stations and major water mains and sanitary sewers greater than 15 inches in diameter. These permits also help to ensure compliance with local comprehensive land use and water and sewerage plans and are supportive of community revitalization and land redevelopment.

## AUTHORITY

STATE: Environment Article, Title 9, Subtitle 2, COMAR 26.03.12

## PROCESS

Pre-approval: The applicant must show that the proposed water or sewerage facility is included in the current county water and sewerage plans, has a valid NPDES discharge permit (if applicable), and will be operated either publicly or privately under a financial management plan.

Post-approval: The project must be constructed in accordance with the approved plans and specifications. Staff engineers perform inspections to verify the facility is constructed to the approved design and/or the permittee submits “as built” plans or certification that the project was built in accordance with original plans as approved by MDE. Other approvals associated with the construction (i.e. sediment control, wetlands, etc.) are inspected under those media and by those inspectors. This program does not have authority to pursue traditional enforcement actions. For projects where MDE is providing funding, construction violations would necessitate the return of state funds by the local jurisdiction. If a construction violation were to go unnoticed, the eventual result would be the failure of the facility to meet its discharge permit requirements or other performance requirements. At that time, traditional enforcement tools available under the discharge permit program would be utilized.

There is no correlation between the number of permits issued and the number of sites inspected because inspections are performed only at active construction sites for projects being financed by MDE. Once construction has begun, these funded projects are inspected on a routine basis through completion.

## SUCCESSSES/CHALLENGES

MDE monitors all projects for which State financial assistance is being provided. Accordingly, the annual number of inspections will vary as the number of financed projects initiate and complete construction. The program is on target with its goals.

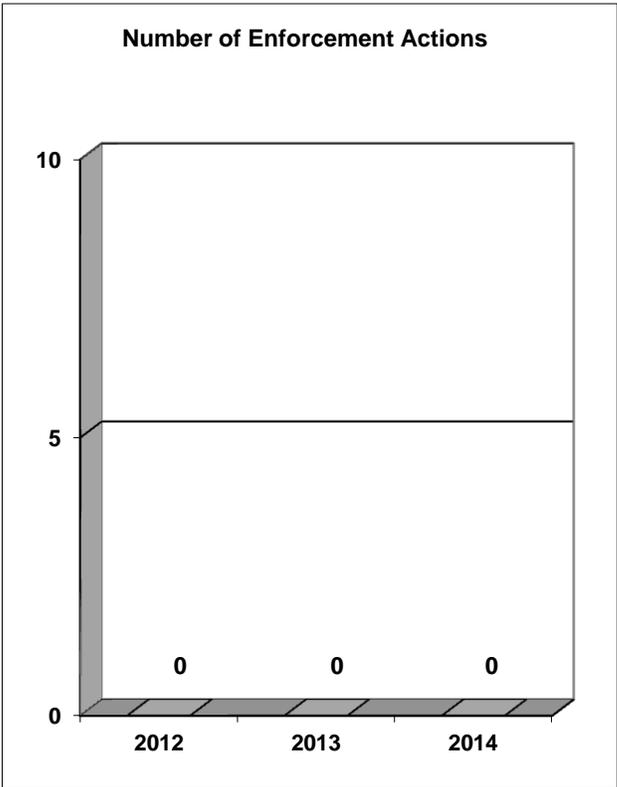
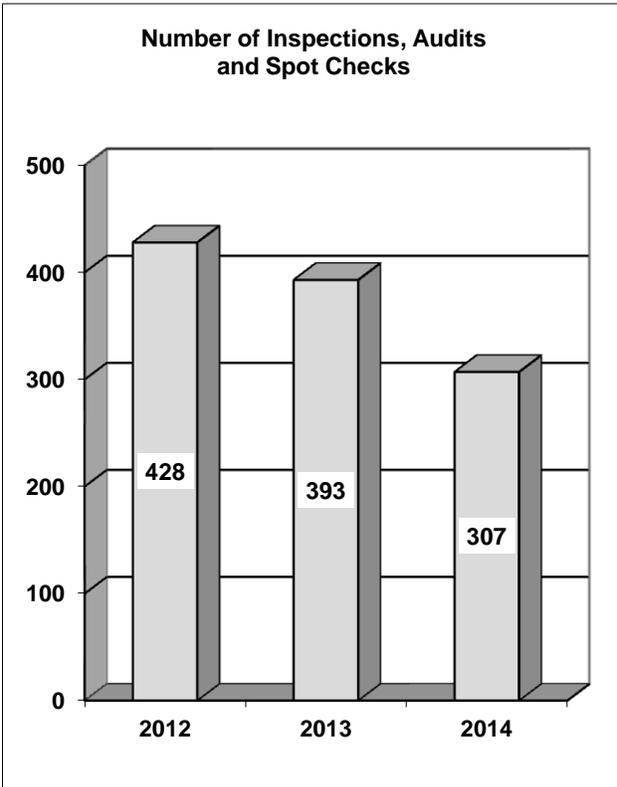
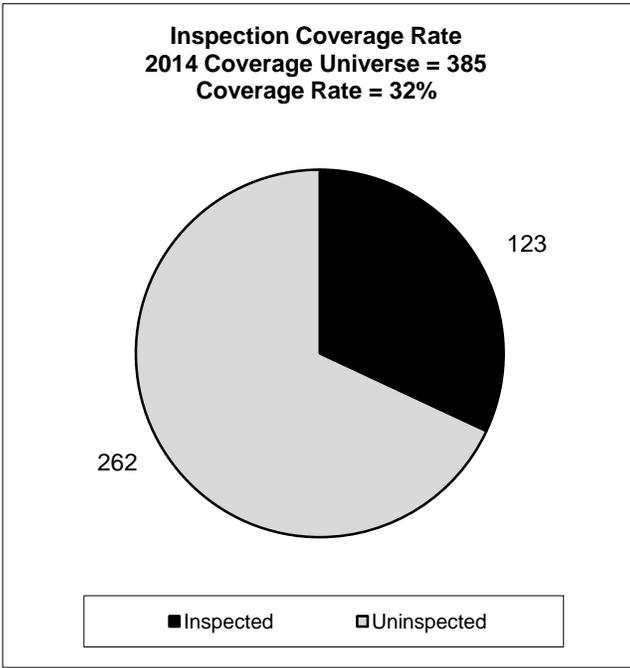
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# Water Supply and Sewerage Construction

| Performance Measure   | TOTAL   |
|---|---|
| <b>PERMITTED SITES/FACILITIES</b>   |   |
| Number of permits/licenses issued   | 143   |
| Number of permits/licenses in effect at fiscal year end   | 385   |
| <b>INSPECTIONS</b>  |   |
| Number of sites inspected ("inspected" defined as at the site)  | 123   |
| Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) | 0   |
| Number of sites evaluated for compliance (sum of the two measures above)                                    | 123   |
| Number of inspections, spot checks (captures number of compliance activities at sites)                      | 307   |
| Number of audits (captures number of reviews of file/submittals for compliance)                             | 0   |
| Number of inspections, audits, spot checks (sum of the two measures above)                                  | 307   |
| <b>COMPLIANCE PROFILE</b>   |   |
| Number of inspected sites/facilities with significant violations  | 0   |
| % of inspected sites/facilities with significant violations   | 0%  |
| Inspection coverage rate (number of sites inspected/coverage universe)                                      | 32%   |
| <b>SIGNIFICANT VIOLATIONS</b>   |   |
| Number of significant violations involving environmental or health impact                                   | 0   |
| Number of significant violations based on technical/preventative deficiencies                               | 0   |
| Number of significant violations carried over awaiting disposition from previous fiscal year                | 0   |
| Total number of significant violations (sum of the three measures above)                                    | 0   |
| <b>DISPOSITION OF SIGNIFICANT VIOLATIONS</b>  |   |
| Resolved  | 0   |
| Ongoing   | 0   |
| <b>ENFORCEMENT ACTIONS*</b>   |   |
| Number of compliance assistance rendered  | 0   |
|   | Administrative      Civil/Judicial      Total   |
| Number of show cause, remedial, corrective actions issued   | 0                      0                      0 |
| Number of stop work orders  | 0                      0                      0 |
| Number of injunctions obtained  | 0                      0                      0 |
| Number of penalty and other enforcement actions   | 0                      0                      0 |
| Number of referrals to Attorney General for possible criminal action  | 0   |
| <b>PENALTIES</b>  |   |
| Amount of administrative or civil penalties obtained (\$ collected in FY)                                   | \$0   |

\* Program does not have direct legal authority to pursue traditional enforcement actions for violations. It may require the return of State funding if significant problems arise. MDE may indirectly use its general water pollution authority if a constructed facility violates the law.

# Water Supply and Sewerage Construction



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**OFFICE OF THE ATTORNEY GENERAL  
ENVIRONMENTAL CRIMES UNIT**

## **Environmental Crimes Unit Executive Summary**

The Environmental Crimes Unit (ECU) of the Criminal Division of the Maryland Attorney General's Office investigates and prosecutes environmental crimes in Maryland. During FY 2014, ECU handled ninety-two inquiries, referrals, and requests. Of that total, ECU opened forty-eight in-depth criminal investigations. ECU filed charges in thirty of the cases opened. Of the forty-eight cases, thirty were the result of referrals from MDE administrators. Twenty-four prosecutions were completed in the state courts during the fiscal year, resulting in ordered jail terms totaling one year and nine months, probation terms totaling nine-teen years and one month and imposed fines totaling \$232,249.50. Courts additionally ordered community work service and other penalties. The matters investigated and reviewed without opening a full-scale criminal investigation were the result of: insufficient information available to justify a full-scale investigation; matters readily resolved; or matters sent to another, more appropriate agency to handle.

## **Environmental Crimes Unit**

### **PURPOSE**

The Attorney General's Environmental Crimes Unit (ECU) investigates and prosecutes environmental crimes in Maryland. ECU is a criminal investigation and prosecution unit under the direction of the Criminal Division of the Attorney General's Office. ECU utilizes the prosecutorial authority of the Attorney General and also, in part, when available, the investigative skills and law enforcement authority of the Maryland State Police, Natural Resources Police and local police departments to investigate environmental violations. When appropriate, ECU files criminal charges against both corporate and individual offenders. Criminal enforcement is an effective and necessary tool in the compliance effort because it ensures that the offenders are subjected to criminal sanctions. This is important to protect public health and ensure a level playing field for those that do comply with Maryland's environmental laws. Criminal investigations will be pursued based on an assessment by the attorneys. Criminal charges are pursued when repeated unsuccessful civil actions have been attempted, or when the offenses are particularly significant or involve immediate danger to the environment, as well as under other circumstances. Criminal enforcement is used whenever the prospect of imprisonment and/or being stigmatized by a criminal conviction is deemed a necessary tool to protect health and the quality of Maryland's air, land and water resources.

ECU has jurisdiction throughout the State. ECU's statewide multi-media responsibilities are currently carried out with a smaller staff than in the past, numbering six at the end of the fiscal year. Staff currently includes two investigators and three prosecutors, all of whom are directly involved in the criminal investigation and enforcement work of the unit throughout

the State. Additionally, various outside police agencies which have historically had officers assigned to this division have taken all officers out of the unit completely because of their own budgetary constraints. It is only through complete and full investigation that criminal cases can be properly assessed and charges filed.

## **AUTHORITY**

STATE: The General Assembly, through the *Environment Article*, provides the Attorney General exclusive or concurrent authority to prosecute criminal violations stemming from investigations involving water pollution, air pollution and hazardous waste. Additionally, through the *Natural Resources Article*, the Critical Area Commission may refer matters to the Attorney General for prosecution. The Attorney General also has authority under Article V, Section 3 of the Constitution of Maryland to investigate and prosecute other crimes as directed by the Governor. Historically the Governor has granted ECU continuing authority to investigate and prosecute violations of Maryland's Litter Control Law (§10-110 of the *Criminal Law Article*), and other broadly defined related offenses. ECU seeks the Governor's authorization to investigate and prosecute other violations not within the *Environment Article* on either a case-by-case basis, or based on specific areas of concern.

## **PROCESS**

ECU receives complaints about possible criminal activity from multiple sources: citizen complaints, other governmental and law enforcement agencies, the MDE Administrations, or from their own initiatives. Complaints are initially reviewed by an ECU prosecutor and investigator to determine the appropriateness and available resources for a full investigation. Cases deemed potentially appropriate for prosecution are subjected to full investigations for the purpose of gathering sufficient evidence to accurately assess whether the filing of criminal charges is warranted. If charges are filed or indictments returned by grand juries, ECU prosecutors and investigators work the case through trial and any appeals.

## **MDE REFERRALS**

In FY 2014, ECU successfully assisted MDE in furthering its compliance and enforcement goals by opening thirty new in-depth criminal cases referred by MDE and filing charges in sixteen cases based upon referrals from MDE. Twelve prosecutions were completed during the fiscal year from cases referred by MDE.

## **SUCSESSES/CHALLENGES**

A continuing challenge is to improve attorney and investigative resources for better effectiveness. Sworn law enforcement personnel with statewide authority assigned to this Unit have now been reduced by 100%. At points in the past there were as many as seven sworn law enforcement officers assigned to the unit for investigation. Since FY 1999, ECU has had no sworn law enforcement officers assigned to the unit. The lack of sworn police officers assigned to the division limits the actions which ECU can pursue.

Restoration to higher staffing levels will allow ECU to be more proactive in the pursuit of businesses and individuals who commit environmental crimes. The cases can be complex and involved, especially in a pro-active form, and without full staffing, results will be hampered.

**CHART 1** shows the number of investigations conducted by ECU during FY 2014 and the source of the complaints leading to the investigations.

| FY '14 – INVESTIGATIONS OPENED |      |                       |
|--------------------------------|------|-----------------------|
| SOURCE OF COMPLAINTS           |      | INVESTIGATIONS OPENED |
| <b>M<br/>D<br/>E</b>           | ARMA | 1                     |
|                                | LMA  | 15                    |
|                                | WMA  | 12                    |
|                                | ERD  | 2                     |
| MDE TOTAL                      |      | 30                    |
| OTHER SOURCES                  |      | 18                    |
| <b>TOTAL</b>                   |      | <b>48</b>             |

The MDE administrations, ARMA, WAS, and WMA, have traditional enforcement programs. The Emergency Response Division responds to environmental emergencies and they may be caused by criminal activities.

**CHART 2** shows the number of cases prosecuted by ECU during FY 2014. The chart distinguishes between the number of cases where prosecution was initiated during FY 2014 and the number of cases concluded during FY 2014. In prosecuting criminal cases, it is not uncommon for charges in a case to be filed during one fiscal year and concluded during a subsequent fiscal year. Charges may also be formally filed in a different fiscal year than when the investigation was opened by ECU.

| FY '14 – PROSECUTIONS |      |                    |                        |
|-----------------------|------|--------------------|------------------------|
| SOURCE OF COMPLAINTS  |      | NO. OF CASES FILED | NO. OF CASES CONCLUDED |
| <b>M<br/>D<br/>E</b>  | ARMA | 3                  | 3                      |
|                       | LMA  | 6                  | 5                      |
|                       | WMA  | 5                  | 4                      |
|                       | ERD  | 2                  | 0                      |
|                       | OS   | 0                  | 0                      |
| MDE TOTAL             |      | 16                 | 12                     |
| OTHER SOURCES         |      | 14                 | 12                     |
| <b>TOTAL</b>          |      | <b>30</b>          | <b>24</b>              |

**CHART 3** The Report of Enforcement Activities mandated by §1-301(d) of the Environment Article requires reporting of information for criminal cases prosecuted under specified subtitles of the Environment Article. The chart reflects all ECU activity for the fiscal year.

| FY '14 – YEARLY TOTALS                         | ENVIRONMENT ARTICLE (EN) |             |            |            |            |            | NATURAL RESOURCES (NR) |             |             | TOTAL         |
|--|--------------------------|-------------|------------|------------|------------|------------|------------------------|-------------|-------------|---------------|
|  | Title 1                  | Title 2     | Title 4    | Title 6    | Title 9    | Title 9    | NR 4                   | NR 4        | NR 10       |               |
|  | Subtitle 3               | Subtitle 6  | Subtitle 4 | Subtitle 4 | Subtitle 2 | Subtitle 3 | Subtitle 2             | Subtitle 12 | Subtitle 10 |               |
| * Number of Convictions Obtained               | 0                        | 8           | 3          | 1          | 4          | 7          | 2                      | 2           | 1           | 28            |
| Imprisonment Time Ordered (Years)              | 0                        | 1 yr. 3 mos | 6 mos      | 0          | 0          | 0          | 0                      | 0           | 0           | 1 yr. 9 mos   |
| Imprisonment Time To Be Served                 | 0                        | 2 mos       | 4 days     | 0          | 0          | 0          | 0                      | 0           | 0           | 2 mos. 4 days |
| Probation Ordered (Years)                      | 1                        | 3           | 3 yrs.1mos | 0          | 4          | 6          | 0                      | 0           | 2           | 19 yrs.1 mos  |
| Community Service Ordered (Hours)              | 50                       | 100         | 50         | 0          | 0          | 0          | 0                      | 0           | 0           | 200 hrs       |
| Criminal Fines, Restitution & Costs Ordered    | 500                      | 2,802.50    | 30,267.50  | 3,924.50   | 13,115     | 175,145    | 1,495                  | 4,000       | 1,000       | \$232,249.50  |
| Criminal Fines, Restitution & Costs to be Paid | 0                        | 2,545       | 12,267.50  | 3,924.50   | 6,615      | 75,145     | 1,495                  | 4,000       | 1,000       | \$106,992     |

\* Note – A single case may involve charges from any number of the various titles.

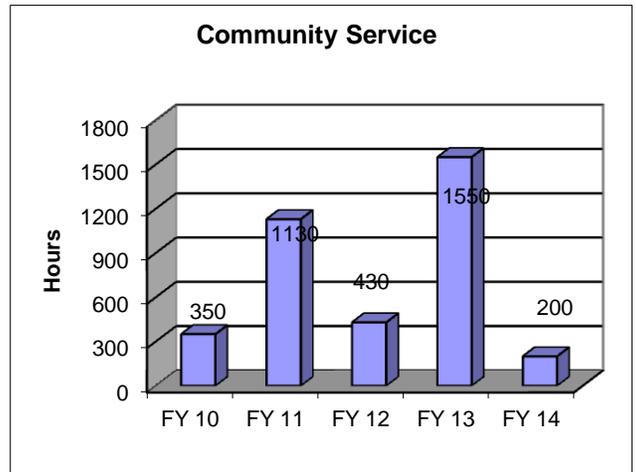
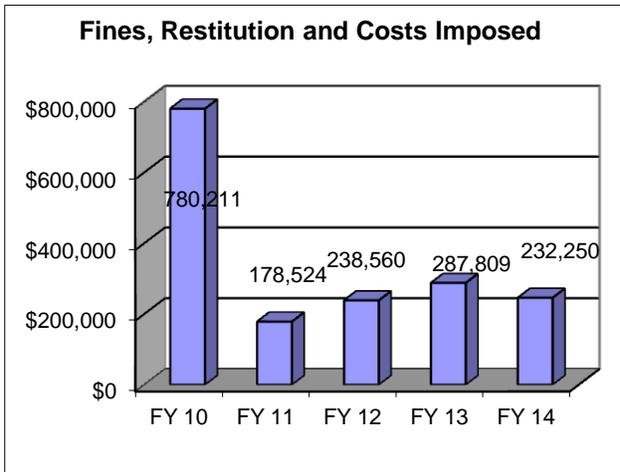
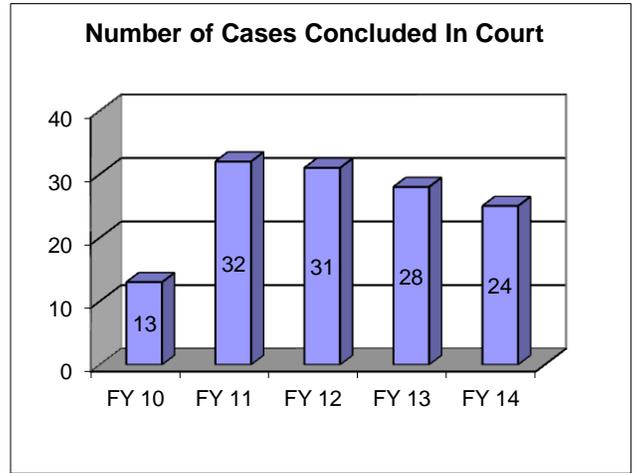
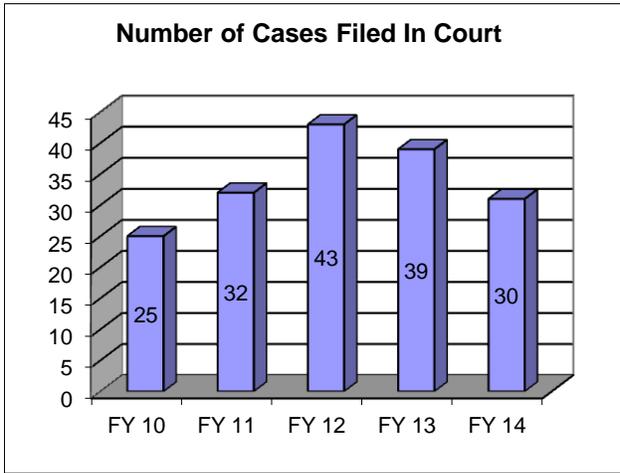
**Environment Article (EN)**

- Title 1 – Enforcement
- Title 2 – Air Quality
- Title 4 – Water Management
- Title 6 – Toxic, Carcinogenic & Flammable Substances
- Title 9 – Water, Ice, and Sanitary Facilities

**Natural Resources Article (NR)**

- Title 4 – Fish and Fisheries
- Title 10 – Wildlife

# Environmental Crimes Unit



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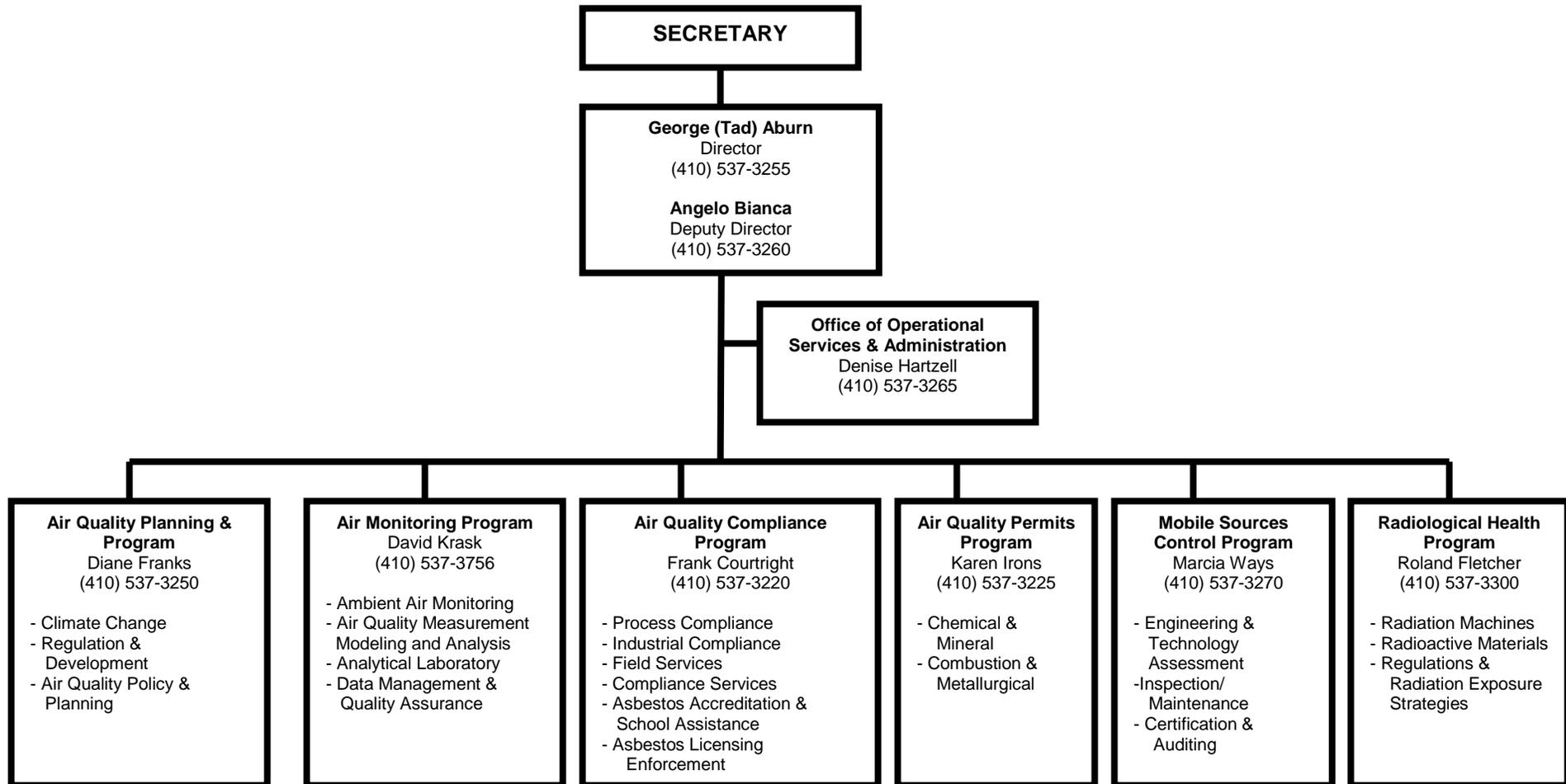
**SECTION THREE**  
**APPENDICES**

# **APPENDIX A**

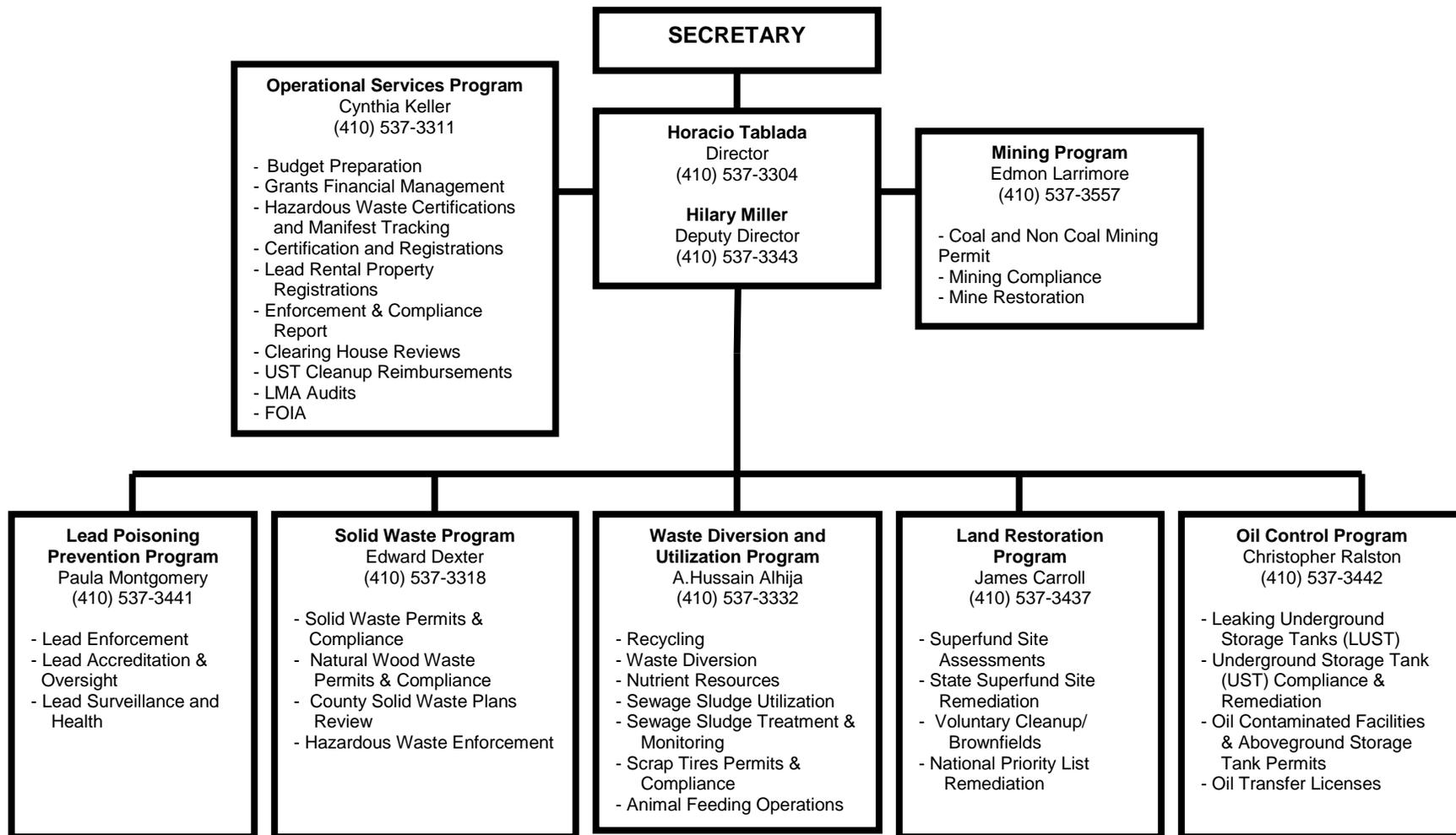
## **MDE Organization**



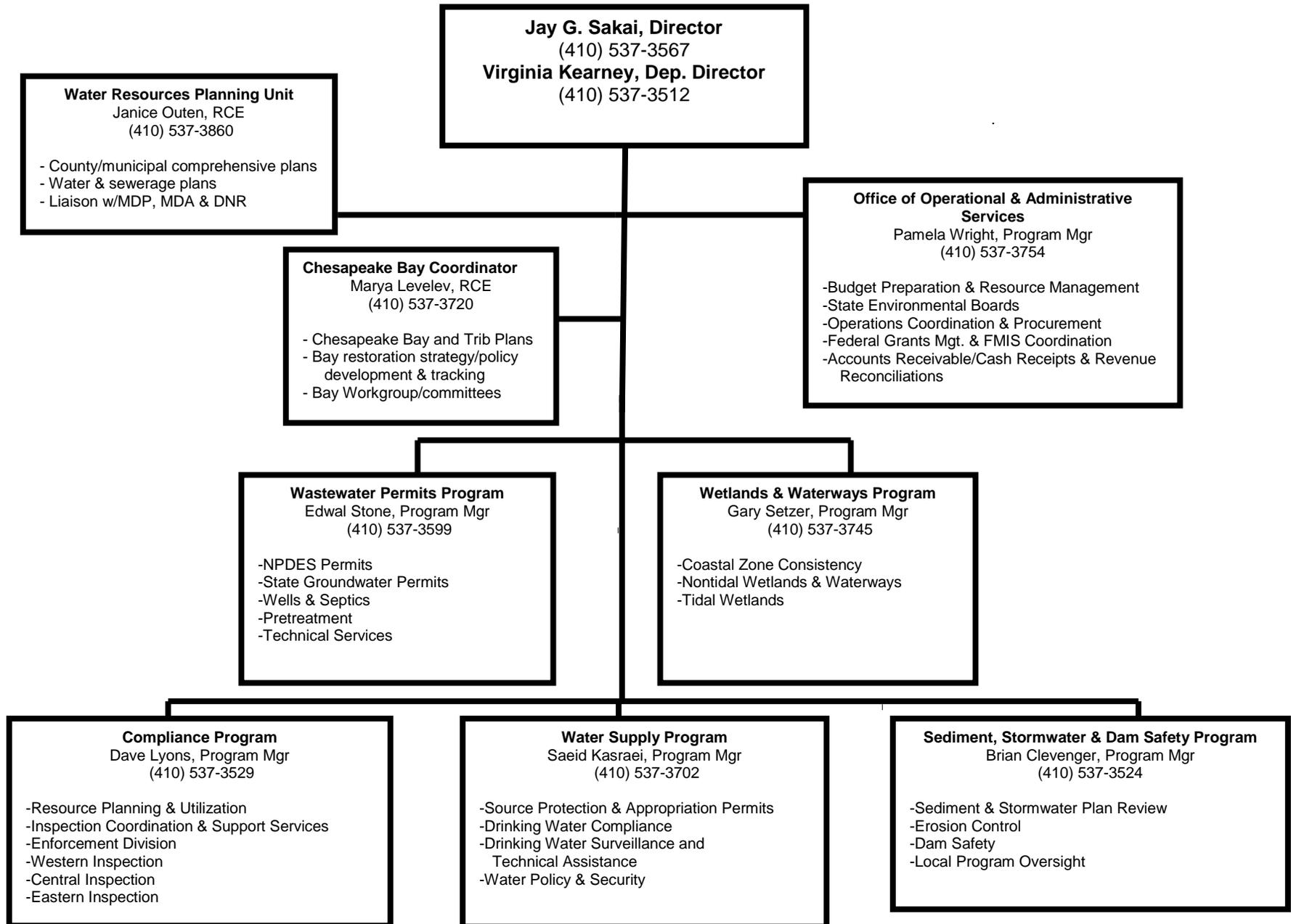
# Air and Radiation Management Administration



# Land Management Administration



# Water Management Administration



## **APPENDIX B**

### **List of Enforcement Areas Included In This Report**

#### **ENFORCEMENT AREAS INCLUDED IN ANNUAL ENFORCEMENT AND COMPLIANCE REPORT**

1. Ambient Air Quality Control
  - a. High-Impact Facilities
  - b. Low-Impact Facilities
2. Air Quality Complaints
3. Asbestos
4. Radiological Health Program
  - a. Radiation Machines Program
  - b. Radioactive Materials Licensing and Compliance
5. Environmental Restoration and Redevelopment
6. Hazardous Waste
7. Lead Poisoning Prevention
8. Oil Aboveground Facilities
9. Oil Pollution Remediation Activities
10. Oil Underground Storage Tank Systems
11. Refuse Disposal
12. Scrap Tires
13. Sewage Sludge Utilization
14. Animal Feeding Operations
15. Natural Wood Waste Recycling
16. Mining – Coal
17. Mining – Non-Coal
18. Oil and Gas Exploration and Production
19. Discharges – Groundwater (Municipal and Industrial)
20. Discharges – Surface Water (Municipal and Industrial) State and NPDES Permits
21. Discharges – Pretreatment (Industrial)
22. Stormwater Management and Erosion and Sediment Control for Construction Activity
23. Water Supply Program – Community and Non-transient Non-community Water Systems
24. Water Supply Program – Transient Non-community Water Systems
25. Water Supply Program – Laboratory Certification
26. Water Supply Program – Water Appropriation and Use
27. Waterway Construction – Dam Safety
28. Wetlands and Waterways – Non-tidal and Floodplain
29. Wetlands – Tidal
30. Water Supply and Sewerage Construction
31. Environmental Crimes Unit

## **APPENDIX C**

### **Environmental Article Section 1-301(d)**

#### **§1-301(d) Report on Enforcement Activities.**

(1) (i) On or before October 1 of each year, the Secretary, in consultation with the Attorney General, shall submit to the Legislative Policy Committee, in accordance with §2-1246 of the State Government Article, a report on enforcement activities conducted by the Department during the previous fiscal year.

(ii) The report shall:

1. Include the information required under this subsection and any additional information concerning environmental enforcement that the Secretary decides to provide;
2. Be available to the public as soon as it is forwarded to the Legislative Policy Committee;
3. Include information on the total number of permits and licenses issued by or filed with the Department at any time and still in effect as of the last date of the fiscal year immediately preceding the date on which the report is filed;
4. Include information concerning specific enforcement actions taken with respect to the permits and licenses during the immediately preceding fiscal year; and
5. Include information on the type and number of contacts or consultations with businesses concerning compliance with State environmental laws.

(iii) The information required in the report under paragraph (3) of this subsection shall be organized according to each program specified.

(2) The report shall state the total amount of money as a result of enforcement actions, as of the end of the immediately preceding fiscal year:

- (i) Deposited in the Maryland Clean Air Fund;
- (ii) Deposited in the Maryland Oil Disaster Containment, Clean-up and Contingency Fund;
- (iii) Deposited in the Nontidal Wetland Compensation Fund;
- (iv) Deposited in the Maryland Hazardous Substance Control Fund;
- (v) Recovered by the Department from responsible parties in accordance with §7-221 of this article;
- (vi) Deposited in the Sewage Sludge Utilization Fund; and
- (vii) Deposited in the Maryland Clean Water Fund.

(3)(i) The report shall include the information specified in subparagraphs (ii), (iii), (iv), and (v) of this paragraph for each of the following programs in the Department:

1. Ambient air quality control under Title 2, Subtitle 4 of this article;
2. Oil pollution under Title 4, Subtitle 4 of this article;
3. Nontidal wetlands under Title 5, Subtitle 9 of this article;
4. Asbestos under Title 6, Subtitle 4 of this article;
5. Lead paint under Title 6, Subtitle 8 of this article;
6. Controlled hazardous substances under Title 7, Subtitle 2 of this article;
7. Water supply, sewerage systems, and refuse disposal systems under Title 9, Subtitle 2 of this article;
8. Water discharges under Title 9, Subtitle 3 of this article;
9. Drinking water under Title 9, Subtitle 4 of this article; and

10. Wetlands under Title 16, Subtitle 2 of this article.

(ii) For each of the programs set forth in subparagraph (i) of this paragraph, the Department shall provide the total number or amount of:

1. Final permits or licenses issued to a person or facility, as appropriate, and not surrendered, suspended or revoked;
2. Inspections, audits, or spot checks performed at facilities permitted;
3. Injunctions obtained;
4. Show cause, remedial, and corrective action orders issued;
5. Stop work orders;
6. Administrative or civil penalties obtained;
7. Criminal actions charged, convictions obtained, imprisonment time ordered, and criminal fines received; and
8. Any other actions taken by the Department to enforce the requirements of the applicable environmental program, including:
  - A. Notices of the removal or encapsulation of asbestos under §6-414.1 of this article; and
  - B. Actions enforcing user charges against industrial users under §9-341 of this article.

(iii) In addition to the information required in subparagraph (ii) of this paragraph, for the Lead Paint Program under Title 6, Subtitle 8 of this article, the report shall include the total number or amount of:

1. Affected properties registered; and
2. Inspectors or other persons accredited by the Department, for whom accreditation has not been surrendered, suspended, or revoked.

(iv) In addition to the information required in subparagraph (ii) of this paragraph, for the Controlled Hazardous Substances Program under Title 7, Subtitle 2 of this article, the report shall include the following lists, updated to reflect the most recent information available for the immediately preceding fiscal year:

1. Possible controlled hazardous substance sites compiled in accordance with §7-223 (a) of this article.
2. Proposed sites listed in accordance with §7-223 (c) of this article at which the Department intends to conduct preliminary site assessments; and
3. Hazardous waste sites in the disposal site registry compiled in accordance with §7-223 (f) of this article;

(v) In addition to the information required in subparagraph (ii) of this paragraph, for the Drinking Water Program, the report shall include the total number of:

1. Actions to prevent public water system contamination or to respond to a Safe Drinking Water Act emergency under §§9-405 and 9-406 of this article; and
2. Notices given to the public by public water systems under §9-410 of this article.

## **APPENDIX D**

### **Legislation Enacted During 2014 Affecting Enforcement and Penalties**

#### **HB0058/SB0073 - Talbot County - Chesapeake Bay Critical Area - Prosecution or Civil Suit for Certain Violations**

This bill requires a criminal prosecution or a suit for a civil penalty for an offense that occurs in the Chesapeake Bay Critical Area in Talbot County to be brought within three years if the criminal prosecution or civil penalty suit is for a violation of a local law that relates to environmental protection or natural resource conservation, including a local law regulating grading, sediment control, stormwater management, zoning, construction, or health and public safety. The three-year statute of limitations begins to run once the local authorities in fact knew or reasonably should have known of the violation.

#### **HB00189/SB0711 - Maryland Occupational Safety and Health Act - Chemical Information List - Submission, Maintenance, and Accessibility**

This bill repeals the requirement that an employer submit a chemical information list to MDE within 15 days after the list has been prepared or revised. The bill also repeals the requirement that MDE provide information on hazardous or toxic chemicals to specified organizations and individuals and maintain information in a central repository for 40 years on all chemical information lists and material safety data sheets that MDE receives. Instead, if an employer's business ceases to operate or formulate, handle, manufacture, package, process, react, repackage, store, or transfer hazardous chemicals, the employer must promptly submit the most recent chemical information list to DLLR. DLLR must keep that chemical information list for at least 40 years. On receipt of a written request, an employer, or DLLR if the business has ceased operations, must provide access to information on a chemical list to specified individuals and organizations.

The Division of Labor and Industry within DLLR administers the Maryland Occupational Safety and Health (MOSH) program. MOSH has found substantial noncompliance of employers with submitting a chemical information list to MDE. MOSH normally cites the violation of failing to submit a chemical information list to MDE as an administrative, not serious, violation and without assessing a penalty.

#### **HB0834/SB0564 - Environment - Water Pollution Control – Penalty**

This bill increases, from \$5,000 to \$10,000, the maximum administrative penalty for each violation of the Water Pollution Control subtitle of the Environment Article. The bill also increases, from \$50,000 to \$100,000, the maximum total penalty that may be imposed on a person for such violations.

#### **HB1153/SB0929 - Commercial Fishing and Seafood Operations - Nuisance Actions – Exemption**

This bill expands existing provisions of law protecting agricultural and silvicultural operations from nuisance actions to also apply to commercial fishing and seafood operations. The bill also generally excludes conditions resulting from a commercial fishing and seafood operation from a definition of "nuisance" under provisions authorizing and/or requiring actions to be taken by the Secretary of Health and Mental Hygiene and local health officers to control and abate nuisances.

**SB141 - Baltimore City - Tax Sales - Nonpayment of Environmental Citations**

This bill authorizes a tax sale in Baltimore City solely for nonpayment of environmental citations issued under Article 1, Subtitle 40 of the Baltimore City Code if the total amount of unpaid environmental citations is at least \$1,000. The tax sale may only be offered after exhaustion of all administrative and judicial rights of appeal.

**SB0172 - Budget Reconciliation and Financing Act of 2014** This Administration bill includes the following Stormwater Language:

*SECTION 18. AND BE IT FURTHER ENACTED, That, notwithstanding any other provision of law, the Maryland Department of the Environment may enter into a memorandum of understanding with Carroll County or Frederick County to establish an alternative source of funding to be deposited into a local watershed protection and restoration fund, including an amount or percent of funds, passed by local ordinance for the purpose of meeting their National Pollutant Discharge Elimination System Phase 1 Municipal Separate Storm Sewer System permit. Carroll County or Frederick County must enter into the memorandum of understanding with the Maryland Department of the Environment on or before December 1, 2014.*

**SB0781 - Environment - Recycling - Special Events**

This bill requires the organizer of a specified type of special event to provide for the collection of recyclable materials. The bill also requires each county, as part of their currently required recycling plans, to address the collection and recycling of recyclable materials from special events by October 1, 2105. The bill establishes a civil penalty of \$50 per day for a violation of the requirement to provide for recycling at special events; the penalty is to be paid to the local government that enforced the violation.

## APPENDIX E

### MDE Penalty Policy

#### MDE's Approach to Determining the Appropriate Response to Violations

MDE is committed to a consistent, timely and appropriate compliance assurance program, which is protective of the public health and the environment while creating a credible deterrent against future violations. It is MDE's policy to assess fair and equitable penalties in keeping with the factors specified by the governing statute, and commensurate with the nature of the violations. The statutory factors that MDE must consider in assessing administrative penalties are:

1. The ***willfulness of the violation***, the extent to which the existence of the violation was known to but uncorrected by the violator, and the extent to which the violator exercised reasonable care;
2. Any ***actual harm to the environment or to human health***, including injury to or impairment of the air, waters, or natural resources of this State;
3. The ***cost of cleanup and the cost of restoration*** of the natural resource;
4. The ***nature and degree of injury to or interference*** with general welfare, health, and property;
5. The extent to which the ***location of the violation***, including the location near waters of this State or areas of human population, creates the potential for harm to the environment or to human health and safety;
6. The ***available technology*** and economic reasonableness of controlling, reducing, or eliminating the violation;
7. The degree of ***hazard posed by the particular pollutant*** or pollutants involved;
8. The extent to which the current violation is part of a ***recurrent pattern*** of the same or similar type of violation committed by the violator.

MDE will consider each of the specific factors on a case-by-case basis. While all factors set forth in the statute will be considered, it is not necessary for all of the factors to be applicable before the maximum penalty may be assessed. A single factor may warrant the imposition of the maximum penalty. Furthermore, all factors, even if applicable in a given case, are not necessarily of equal weight in MDE's determination of a reasonable penalty.

## **APPENDIX F**

### **Environmental Audit Guidance**

#### **(Revised 5/15/2006)**

The Maryland Department of the Environment (MDE) recognizes the benefit from regulated entities that routinely evaluate their internal work processes for compliance with federal and State environmental requirements. Equally as important as identifying violations is the reporting of such violations to MDE for proper and complete remediation and abatement. MDE encourages self-auditing and compliance management as effective environmental management techniques. MDE may use its enforcement discretion in evaluating penalties for regulated entities that disclose violations of environmental laws or regulations as provided herein.

*This guidance is not intended nor should it be construed to be a regulation as defined in Section 10-101, State Government Article. It sets forth criteria and guidelines for use by MDE staff in resolution of enforcement cases, and does not confer any legal rights upon any person.*

### **Definitions**

“Department” means the Maryland Department of the Environment.

“Environmental Audit” and “Compliance Management System” have the definitions used in the Environmental Protection Agency’s “Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations,” Final Policy Statement effective May 11, 2000:

“Environmental Audit” is a systematic, documented, periodic and objective review by regulated entities of facility operations and practices related to meeting environmental requirements.

“Compliance Management System” encompasses the regulated entity’s documented systematic efforts, appropriate to the size and nature of its business, to prevent, detect, and correct violations through various procedures, policies, mechanisms, and efforts.

“Environmental Requirement” means a requirement in (1) a state or federal law or regulation enforced by the Department, a rule adopted by the Department, a permit or order issued by the Department, or (2) an ordinance or other legally binding requirement of a local government unit under authority granted by state law relating to environmental protection.

“Regulated Entity” means a corporation, partnership, individual, municipality, governmental unit, or any other legal entity regulated under federal, state, or local environmental laws or regulations.

## **Statement of Guidance**

- A. The Department may reduce a civil or administrative penalty for violations of environmental requirements that are voluntarily disclosed following an environmental audit or as a result of compliance management if:
1. The regulated entity discloses the violation to the Department in writing within 21 days after the violation is discovered, or within a shorter time limit, if required by statute or regulation;
  2. The regulated entity promptly initiates action to correct or eliminate the violation and all public or environmental harm caused by the violation. If the violation cannot be fully corrected within 60 days, the regulated entity shall submit a compliance plan to the Department within 60 days for review. The regulated entity shall maintain compliance with the plan as approved by the Department;
  3. The regulated entity provides the Department with a plan that includes steps to prevent recurrence of the violation; and
  4. The regulated entity fully cooperates with the Department regarding investigation of the disclosed violation.
- B. The relief outlined in Section A is not available if the Department determines that:
1. The violation was discovered through a legally mandated monitoring or sampling requirement prescribed by statute, regulation, permit, judicial or administrative order, or consent agreement. The violation must be discovered voluntarily and not as a result of an environmental requirement;
  2. The Department or a third party discovered the violation prior to disclosure by the regulated entity to the Department, or the regulated entity made the disclosure after commencement of a federal, State, or local agency inspection, investigation, or request for information;
  3. The violation was committed willfully, wantonly, intentionally, knowingly, or with gross negligence by the regulated entity;
  4. The regulated entity did not promptly initiate or diligently act to correct or eliminate the violation;
  5. The violation made imminent or caused significant environmental harm or had a significant effect upon public health;

6. The same or a related violation has occurred within the past three years or the violation is part of a pattern of recurrent violations by the regulated entity. For purposes of this section, violation includes any violation of a federal, State or local environmental law or regulation identified in a judicial or administrative order, consent agreement, order or decree, complaint, or notice of violation, conviction or plea agreement; or
  7. The disclosure is made for a fraudulent purpose.
- C. This guidance is not intended for use under circumstances in which the violation(s) at issue would result in the regulated entity gaining an economic advantage over its competitors.
  - D. This guidance does not affect individual liability for criminal misconduct.
  - E. This guidance does not apply to liability under a judicial or administrative order, consent agreement, order or decree, complaint, notice of violation, conviction or plea agreement.
  - F. Relief under this guidance shall not be available if the Department receives formal notification from the delegating federal agency of that agency's intention to propose rescission of the Department's authority over the applicable federal environmental program.

Original signed by Secretary Philbrick  
Kendl P. Philbrick  
Secretary, Maryland Department of  
the Environment

May 15, 2006  
Date

## APPENDIX G

### Supplemental Environmental Projects

A Supplemental Environmental Project (SEP) is an enforcement tool that augments traditional penalty actions. They are important because the projects provide direct environmental benefits to communities beyond those achieved by facilities returning to compliance. The Air and Radiation Management Administration, the Land Management Administration, and the Water Management Administration made use of SEPs during FY 2014 totaling \$1,163,250. The administrations issued twelve SEPs during FY 2014. Details about each administration's SEPs are on the following pages.

| Administration                              | Number of SEPs |           | Total Value of SEPs |                    |
|---|----------------|-----------|---------------------|--------------------|
|   | 2013           | 2014      | 2013                | 2014               |
| Air and Radiation Management Administration | 1              | 1         | \$60,000            | \$31,500           |
| Land Management Administration              | 2              | 9         | \$20,000            | \$1,038,000        |
| Water Management Administration             | 1              | 2         | \$60,000            | \$93,750           |
| <b>TOTALS</b>                               | <b>4</b>       | <b>12</b> | <b>\$140,000</b>    | <b>\$1,163,250</b> |

## **Air and Radiation Management Administration SEPs, FY 2014**

Total SEPs: 1

Total Value: \$31,500

June 2014 Consent Order – Terumo Cardiovascular and Medical Systems - \$31,500 project to replace outdoor metal halide pole lights, canopy lights, and wall lighting with more energy efficient LED lighting at the Elkton Middle School.

## Land Management Administration SEPs, FY 2014

Total SEPs: 9

Total Value: \$1,038,000

All of the Land Management Administration SEPs in FY 2014 were for lead enforcement cases. Nine SEPs required property owners to replace all windows in rental units containing lead based paint, or obtain Lead Free Certification. The following table lists the individual SEPs.

| <b>Program</b> | <b>Case #</b> | <b>Property Owner</b>                                    | <b>Units</b>   | <b>SEP Value</b> |
|----------------|---------------|--|--|------------------|
| Lead           | 12-6-17203    | Corner House LLC<br>Kathleen Mulgrew                     | 32 - SEP, WINDOWS<br>Requiring Window<br>Replacement | \$128,000        |
| Lead           | 12-12-16993   | Cecil Hill   | 6 - SEP, Units Requiring<br>Window Replacement       | \$24,000         |
| Lead           | 12-6-17345    | Nathan Baugher   | 2 - SEP, Units Requiring<br>Window Replacement       | \$8,000          |
| Lead           | 13-21-17158   | Park Plaza Properties<br>LLC                             | 39 - SEP, Lead Free Units (1<br>cert - 39 units)     | \$390,000        |
| Lead           | 13-21-17358   | Michael Murray   | 1 - SEP, Units Requiring<br>Window Replacement       | \$4,000          |
| Lead           | 13-3-18171    | Daniel Lopez   | 3 - SEP, Units Requiring<br>Window Replacement       | \$12,000         |
| Lead           | 13-12-18225   | Cape May Properties,<br>LLC                              | 6 - SEP, Units Requiring<br>Window Replacement       | \$24,000         |
| Lead           | 14-30-18511   | Hutzler's Historic<br>Associates, Limited<br>Partnership | 107 - SEP, Units Requiring<br>Window Replacement     | \$428,000        |
| Lead           | 12-12-17401   | Carsins Run Properties,<br>LLC                           | 5 - SEP, Units Requiring<br>Window Replacement       | \$20,000         |

## **Water Management Administration SEPs, FY 2014**

Total SEPs: 2

Total Cost: \$93,750

City of Salisbury - Salisbury WWTP -WMA approved a SEP in lieu of payment of the \$20,550 stipulated penalty assessed for violations that occurred from the Salisbury Wastewater Treatment Plant from November 1, 2012 through June 30, 2013. The SEP consists of the installation of two bio-retention units along Cypress Street that will treat urban stormwater runoff to reduce the amount of total suspended solids, phosphorus, nitrogen, heavy metals and hydrocarbons discharged to waters of the State.

The cost of the SEP will be approximately \$60,000.

Swan Point WWTP - MDE and Charles County agreed to allow Charles County the opportunity to perform a SEP in the amount of \$33,750. The SEP must be consistent with the Department's SEP guidelines and be completed within 2 years of approval by MDE. On May 19, 2014, Charles County submitted a SEP plan that consisted of improvement to current County stormwater management facilities. However, the SEP plan was not acceptable because it involves normal maintenance already required for proper operation of the stormwater management ponds, such as cleaning out the ponds and related piping and removing intruding vegetation for improved flow of stormwater. Negotiations continue.

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**APPENDIX H**  
**Brownfield Master Inventory List – Active**  
**Sites**

**ALLEGANY COUNTY**

BMI#: MD1008  
 Brock Steel Company And Larry Brock DBA Brock Equipment Co.  
 Location: 220 West King Street, Cumberland

BMI#: MD0003  
 Cabin Run Landfill  
 Location: Cabin Run Road, Frostburg

BMI#: MD0031  
 Celanese Fibers Co. - Amcelle Plant  
 Site alias: Celanese Amcelle; Celanese Site Fire Training Center; Celanese Fibers Co.; Celanese Amcelle Landfill  
 Location: Route 220 South - 5 miles west of Cumberland, Cumberland

BMI#: MD1174  
 Country House LLC  
 Location: 15 Cumberland Street, Cumberland

BMI#: MD1206  
 CSX Former Bolt and Forge Site  
 Site alias: Rolling Mill  
 Location: Williams Street and Maryland Avenue, Cumberland

BMI#: MD0628  
 Deluxe Cleaners  
 Location: 32 West Mechanic Street, Frostburg

BMI#: MD1020  
 Footer Dye Works (Canal Place)  
 Location: 27 Howard Street, Cumberland

BMI#: MD1272  
 Former Sacred Heart Hospital  
 Location: 215 Decatur Street, Cumberland

BMI#: MD0197  
 Frostburg Gas Light Co.  
 Location: 75 South Grant Street; south of intersection with Hill Street, Frostburg

BMI#: MD0969  
 Highway Petroleum Inc  
 Location: 1002 Virginia Avenue, Cumberland

BMI#: MD0004  
 Hoffman Landfill  
 Location: Frostburg Industrial Park, Route 236; Route 36 Hoffman Village, Frostburg

BMI#: MD0410  
 Kelly Springfield Tire Co.  
 Location: 800 Kelly Road, Cumberland

BMI#: MD0042  
 Koppers Company - Oldtown  
 Site alias: Charles Walters Site

Location: Ruby Road, Old Town

BMI#: MD0084  
 Limestone Road Site  
 Site alias: Cumberland Cement & Supply; Diggs Sanitation  
 Location: Limestone Road off Route 51, Cumberland

BMI#: MD0122  
 Midland Sunoco Station  
 Location: Main Street, Midland

BMI#: MD0139  
 Old Cumberland City/County Dump  
 Location: Limestone Road, Cumberland

BMI#: MD0005  
 Vale Summit Landfill I  
 Site alias: Allegany Coal and Land Company  
 Location: Haul Road; 0.25 miles from intersection with Route 36, Frostburg

**ANNE ARUNDEL COUNTY**

BMI#: MD0824  
 7603 Energy Parkway  
 Site alias: Brandon Woods Business Park; Commerce Corporation  
 Location: 7603 Energy Parkway, Baltimore

BMI#: MD1588  
 8531-8541 Fort Smallwood Road  
 Site alias: Rock Creek Village Shopping Center  
 Location: 8531-8541 Fort Smallwood Road, Pasadena

BMI#: MD0362  
 B&O Railroad Landfill  
 Location: Kembo Road and Fort Smallwood Road, Baltimore

BMI#: MD1486  
 Bacon Ridge Landfill  
 Site alias: Bohem Tire Dump  
 Location: St. Stephens Church Road, Crownsville

BMI#: MD0811  
 Bausum Property  
 Location: 2654 Riva Road, Annapolis

BMI#: MD0107  
 Browning Ferris Industries - Elkridge Landing Road  
 Location: Elkridge Landing Road; P.O. Box 8643, Linthicum

BMI#: MD0006  
 Browning Ferris Industries - Solley Road Landfill - BFI  
 Site alias: BFI - Solley Rd (MD-043 & MD-008); Solley Road Landfill - BFI  
 Location: 7890 Solley Road, Glen Burnie

BMI#: MD1079  
 BWI Airport  
 Location: Aviation Boulevard, BWI Airport, Baltimore

BMI#: MD1492  
 Cape St. Claire Shell #29  
 Location: 1318 Cape St. Claire Road, Annapolis

BMI#: MD0800  
 Centre at Wayson's Corner  
 Location: 5481 Southern Maryland Boulevard, Lothian

BMI#: MD0059  
 Commisary Store Parking Lot Area South - USN  
 Site alias: Naval Station Annapolis (MD-087)  
 Location: 321 Kinkaid Road, Annapolis

BMI#: MD0456  
 Cox Creek Refining  
 Location: 1000 Kembo Road, Baltimore

BMI#: MD0758  
 Crownsville Hospital Center  
 Site alias: Crownsville State Hospital  
 Location: 1520 Crownsville Road, Crownsville

BMI#: MD0203  
 David Taylor/Annapolis Launch  
 Site alias: Bay Head Road Nike Launch (C03MD0236)  
 Location: Bay Head Road, Annapolis

BMI#: MD0408  
 Drumco Drum Dump  
 Location: 1500 Arundel Boulevard, Baltimore

BMI#: MD1282  
 Eastport Shopping Center  
 Location: Corner of Bay Ridge Avenue and Chesapeake Avenue, Annapolis

BMI#: MD0107  
 Elkridge Landing Road - BFI  
 Site alias: BFI-Elkridge Landing Road (MD-168)  
 Location: P.O. Box 8643 Elkridge Landing Road, Baltimore

BMI#: MD0889  
 Energy Parkway  
 Location: 7621 Energy Parkway, Baltimore

BMI#: MD1146  
 Flecknoe Residence - Hardy Road  
 Site alias: Adjacent to A.S. Pearmon  
 Location: 1286 Hardy Road, Arnold

BMI#: MD1242  
 Former Rainbow Cleaners

Location: 1801 West Street, Annapolis

BMI#: MD1319  
 Former Reichold Site  
 Site alias: NL Chemicals, NL Industries Baltimore, Textron Inc  
 Location: 6401 Chemical Road, Baltimore

BMI#: MD0208  
 Fort Smallwood - Control Nike BA-43  
 Site alias: C03MD0240  
 Location: Old Nike Missile Site Road (off Fort Smallwood Road), Pasadena

BMI#: MD0207  
 Fort Smallwood - Launch Nike BA-43  
 Site alias: C03MD0240  
 Location: 9034 Fort Smallwood Road, Pasadena

BMI#: MD0599  
 Generals Highway Sanitary Landfill  
 Site alias: Johnson Dump  
 Location: 1700 block of Generals Highway, Annapolis

BMI#: MD0336  
 GSA Curtis Bay Depot  
 Site alias: Defense Logistics Agency, Curtis Bay Depot  
 Location: 710 Ordnance Road, Baltimore

BMI#: MD1443  
 Harundale Well Field  
 Site alias: Harundale Plaza/ Mall; Lord Baltimore Cleaners  
 Location: 7700 Ritchie Highway, Glen Burnie

BMI#: MD1358  
 Headquarters I & II  
 Site alias: Headquarters Commercial Center  
 Location: 401-407, 406-415 Headquarters Drive, Millersville

BMI#: MD0796  
 Honeywell Inc  
 Location: 2nd Street Extension Greenwood Acres, Annapolis

BMI#: MD0158  
 Honeywell Inc.  
 Site alias: Alliant Techsystems; Windemere Information Technology Systems (WITS), Hopkins Engineering  
 Location: 401 Defense Highway, Annapolis

BMI#: MD0871  
 IEI Property  
 Site alias: Includes Ametek Inc. (MD-104) Property  
 Location: 8335 Telegraph Road, Odenton

BMI#: MD1221

J. F. Johnson Lumber Company  
Location: 1901 West Street,  
Annapolis

BMI#: MD1359  
Jessup State Surplus  
Site alias: Maryland State  
Agency for Surplus Property  
Location: 8037 Brook Ridge  
Road, Jessup

BMI#: MD1089  
Joey's Septic  
Location: 1576 Gray's Ford  
Road, Odenton

BMI#: MD0030  
Joy Boehm Landfill  
Location: 1373 St. Stephens  
Church Road, Crownsville

BMI#: MD0073  
Joy Reclamation Company  
Site alias: Phelps Co.  
Location: 402 Arundel  
Corporation Road, Glen Burnie

BMI#: MD0286  
Kop-Flex, Inc.  
Site alias: 101 Harmans Road  
Location: 7565 Harmons Road,  
Hanover

BMI#: MD1141  
Maryland Pennysaver Group  
Location: 408 Headquarters  
Drive, Millersville

BMI#: MD0484  
MCS Baltimore Site  
Location: 605 Pittman Road,  
Baltimore

BMI#: MD1526  
Niermann Weeks Company, Inc.?  
Location: 760 General's  
Highway, Millersville

BMI#: MD1418  
Parcel 247  
Location: 1600 Aspen Street,  
Baltimore

BMI#: MD1228  
Patriot's Plaza  
Site alias: Former Ida's Dry  
Cleaning  
Location: 8039 Ritchie Highway,  
Pasadena

BMI#: MD0503  
Pennington Avenue Landfill  
Location: 1501 Aspen Street,  
Baltimore

BMI#: MD1256  
Sachs Property  
Site alias: BWI Tech Park Phase  
II  
Location: 1417, 1430, 1440 and  
1450 West Nursery Road,  
Linthicum

BMI#: MD0201  
Snow Hill Lane Site

Site alias: Portion of property is  
VCP  
Location: Snow Hill Lane and  
Cedar Hill Lane, Brooklyn

BMI#: MD1139  
Snow Hill Lane Site Phase III  
Location: (Parcel 46); Abutting  
Snow Hill Lane Phase II, Brooklyn

BMI#: MD0966  
Snow Hill Lane Site Phase IV  
Location: Parcel 60, northeast of  
interchange of Route 2 and I-695,  
Brooklyn

BMI#: MD1406  
Snow Hill Lane Site Phase V  
Location: Aspen Street And  
Pennington Avenue, Brooklyn

BMI#: MD1090  
Spa Creek Landfill  
Site alias: Providence Recycling  
Center  
Location: 965 Spa Road,  
Annapolis

BMI#: MD1091  
Tanyard Cove  
Location: Northwest end of  
Tanyard Cove Road, Glen Burnie

BMI#: MD1612  
The Enclave on Spa  
Site alias: Annapolis Radiator  
and Autobody Shop, Inc.,  
Enterprise Rental Car, Annapolis  
City School Bus Depot, Maryland  
Recover Impound Di  
Location: 1023 Spa Road,  
Annapolis

BMI#: MD0406  
U.S. Coast Guard - Curtis Bay  
Location: 2401 Hawkins Point  
Road, Baltimore

BMI#: MD0063  
U.S. Naval Academy  
Location: Badger and Sollers  
Road on USNA Base; Public  
Works Department, Annapolis

BMI#: MD0334  
U.S. Naval Station Annapolis  
Location: Annapolis Naval  
Complex, Annapolis

BMI#: MD0067  
USA Fort George G. Meade  
Location: Annapolis Road, Fort  
Meade

BMI#: MD0059  
USN Commissary Store Park Lot  
Area South  
Location: 321 Kinkaid Road,  
Annapolis

BMI#: MD1095  
Waugh Chapel  
Site alias: Old Waugh Chapel  
Road Study Area

Location: 510-654 Old Waugh  
Chapel Road; 1360-1384  
Galloway Road, Odenton

BMI#: MD0192  
Woods Road Site  
Site alias: Formerly Old Hall's  
Dump  
Location: End of Woods Road,  
Pasadena

**BALTIMORE CITY**

BMI#: MD0881  
1000 Key Highway  
Site alias: Egan Marine  
Contractors; Patapsco River  
Canvas and Sails; Ryder Truck  
Rental and Leasing  
Location: 1000 Key Highway,  
Baltimore

BMI#: MD0725  
101 Garrett Street  
Location: 101 Garrett Street,  
Baltimore

BMI#: MD0802  
101 West Dickman Street  
Site alias: Baltimore City  
Department of Public Works  
Location: 101 West Dickman  
Street, Baltimore

BMI#: MD0862  
1100 Fleet Street  
Site alias: The Kimball, Tyler &  
Co. Barrel Factory, Kirwin & Tyler  
Tin Can Factory, Eishenhauer  
MacLea Co.  
Location: 511 South Central  
Avenue, Baltimore

BMI#: MD1460  
1100 James Street  
Site alias: B & O Railroad  
Company Stables  
Location: 1100 James Street,  
Baltimore

BMI#: MD1557  
1215 East Fort Avenue Property  
Site alias: Phillips Foods  
Location: 1215 - 1265 East Fort  
Avenue, Baltimore

BMI#: MD1572  
1220 Towson Street Property  
Site alias: John H. Burke &  
Company, Inc.  
Location: 1220 Towson Street,  
Baltimore

BMI#: MD1096  
1236 & 1240 West Pratt Street  
Location: 1236 & 1240 West  
Pratt Street, Baltimore

BMI#: MD1028  
1301 Wicomico Street  
Site alias: Durette-Shepard Steel  
Company  
Location: 1301 Wicomico Street,  
Baltimore

BMI#: MD0782  
1321 Western Avenue  
Site alias: Winchester Homes,  
Inc.  
Location: 1321 Western Avenue,  
Baltimore

BMI#: MD1609  
1325-1381 Western Avenue  
Site alias: Washington Lumber  
Company, Montgomery Ward Co  
Freight Terminat, Winchester  
Homes Warehouse, Mygrant  
Glass, Pamarco Global Gra  
Location: 1325-1381 Western  
Avenue, Baltimore

BMI#: MD0975  
139 West Ostend  
Location: 139 West Ostend  
Street, Baltimore

BMI#: MD0876  
1401 Woodall Street  
Location: 1401 Woodall Street,  
Baltimore

BMI#: MD0901  
1421 Lawrence Street  
Location: 1421 Lawrence Street,  
Baltimore

BMI#: MD0858  
1440 Key Highway  
Location: 1440 Key Highway,  
Baltimore

BMI#: MD0894  
1520-1530 and 1600 Beason  
Street  
Site alias: Perishable Deliveries,  
Inc.  
Location: 1520-1530 and 1600  
Beason Street, Baltimore

BMI#: MD0923  
1645 Warner Street  
Site alias: Part of Warner Street  
Properties (VCP) and Gateway  
South aand Warner Properties  
(VCP)  
Location: 1645 Warner Street,  
Baltimore

BMI#: MD1196  
1800-1818 Hanover Street  
Location: 1800-1818 Hanover  
Street, Baltimore

BMI#: MD0892  
1801 East Oliver Street and 1731  
Llewelyn Avenue Property  
Site alias: Baltimore City Water  
Department Pumping Station;  
Clendenin Brothers Tacks and  
Nails Mfg, Roman Fuel Co,  
Baltimore Bureau of Wat  
Location: 1801 East Oliver Street  
and 1731 Llewelyn Avenue,  
Baltimore

BMI#: MD0864  
2 East Wells Street  
Site alias: Industrial Sales  
Company, McCall Handling;

Allstate Floor and Construction Co.  
Location: 2 East Wells Street, 1800 Patapsco Street and 1802 Patapsco Street, Baltimore

BMI#: MD1353  
2101 East Pratt Street  
Location: 2101 East Pratt Street, Baltimore

BMI#: MD0737  
240 West Dickman Street  
Site alias: Atlantic Forest Products; AFP Properties, LLC  
Location: 240 West Dickman Street, Baltimore

BMI#: MD0887  
2600 North Howard Street  
Site alias: James and Lynn's Tire Service; Quality Auto Repair; Johns Tire Service, Furniture Warehouse, Elite Laundry & Dry Cleaning Co.;  
Location: 2600 North Howard Street, Baltimore

BMI#: MD1564  
2700 Block Property  
Site alias: Millers Square  
Location: 301 West 28th Street, 2700, 2718, 2722, 2724 Remington Avenue, 310 W27th Street, 2727-2733 Fox Street, Baltimore

BMI#: MD1565  
2800 Block Property  
Site alias: Millers Square  
Location: 301 West 29th Street, Baltimore

BMI#: MD1232  
2804 Wilkens Avenue  
Site alias: Coyne Textile Services or 2806 Wilkens Avenue  
Location: 2804 Wilkens Avenue, Baltimore

BMI#: MD0757  
2940 Waterview Avenue  
Site alias: Coastal Tank Lines, R&E Hauling and Leasing Co., Riteway Transport Co., Calvert Trash Systems, Durham School Services  
Location: 2940 Waterview Avenue, Baltimore

BMI#: MD1401  
301 East Cromwell Street  
Site alias: Port Covington - Parcel B; CSX Port Covington Property  
Location: 301 East McComas Street, East Cromwell Street, Baltimore

BMI#: MD1064  
3700 Potee Street  
Site alias: 3640 Potee  
Location: 3700 Potee Street, Baltimore

BMI#: MD1616  
4214 Mortimer Avenue Property  
Site alias: Baltimore Gas & Electric; BGE  
Location: 4214 Mortimer Avenue, Baltimore

BMI#: MD1436  
424 through 438 East Oliver Street  
Site alias: Lord Baltimore Press; 1500 Greenmount  
Location: 424-438 East Oliver St, Baltimore

BMI#: MD1065  
4400 Reisterstown Road  
Location: 4419-4431, 4501-4551 Reisterstown Road, Baltimore

BMI#: MD1004  
5600 Lombard Street  
Location: 5600 Lombard Street, Baltimore

BMI#: MD1455  
7 Acre AK Steel Parcel  
Location: 1120 Edison Highway, Baltimore

BMI#: MD1070  
806 North Haven Street  
Location: 806 North Haven Street, Baltimore

BMI#: MD0817  
950 South Caroline Street  
Location: 950 South Caroline Street, Baltimore

BMI#: MD0608  
Academy Cleaners  
Location: 5219 York Road, Baltimore

BMI#: MD1181  
Acme Business Park - Rosemont  
Location: 2120 West Lafayette Avenue, Baltimore

BMI#: MD0010  
Allied Chemica - Agriculture Plant  
Location: 2000 Race Street, Baltimore

BMI#: MD0013  
Allied Chemical Corp. - Baltimore Works  
Site alias: Honeywell, Inc  
Location: Block Street and Wills Street, Baltimore

BMI#: MD0011  
American Recovery Corp.  
Site alias: American Recovery Corp (MD-103)  
Location: 1901 Birch Street (aka 2001 Benhill Avenue), Baltimore

BMI#: MD1118  
American Visionary Arts Museum  
Location: 820 Key Highway, Baltimore

BMI#: MD0140  
Anchor Hocking Corp./Carr Lowrey Glass  
Site alias: Part of Carr Lowrey Glass Corp (VCP Site)  
Location: 2201 Kloman Street, Baltimore

BMI#: MD1260  
Ansam Metals, Inc.  
Location: 1026 East Patapsco Avenue, Baltimore

BMI#: MD1224  
Armistead Gardens/Herring Run EPA SI  
Site alias: Lower Herring Run Park  
Location: End of Alricks Way, Baltimore

BMI#: MD1386  
Auto Repair Facility  
Location: 1539 North Calvert Street, 201-215 East Federal Street, Baltimore

BMI#: MD0578  
Autobahn Motors  
Location: 3704 South Hanover Street, Baltimore

BMI#: MD0940  
Baltimore City Ordnance Facility  
Site alias: Washington Boulevard Plant - Koppers Co (C03MD1018); Baltimore Ordnance Plant  
Location: 3141-3143 and 2900-3103 Washington Avenue, Baltimore

BMI#: MD1011  
Baltimore City Solid Waste Facility  
Location: 701 Reedbird Avenue, Baltimore

BMI#: MD0921  
Baltimore Museum of Industry  
Location: 1415 and 1437 Key Highway, Baltimore

BMI#: MD0161  
Bayard Station  
Location: Bayard Street and Nanticoke Street, Baltimore

BMI#: MD0466  
Bloede Manufacturing  
Location: 700 block of Caton Avenue, Baltimore

BMI#: MD0554  
Bohager  
Site alias: Pennington Avenue Landfill  
Location: Aspen Street, Baltimore

BMI#: MD0922  
Boston at Conkling (2 Parcels)  
Site alias: Obrecht Brothers Parcels 1 & 2; Gunther Brewer VCP Sites  
Location: Boston Street and Conkling Street, Baltimore

BMI#: MD0154  
Bowley's Lane Landfill  
Location: 6101 Bowleys Lane, Baltimore

BMI#: MD0019  
Browning Ferris Industries - Quarantine Road  
Site alias: Portion of SCM Corp. Quarantine Rd Dump MD-009; Quarantine Road - BFI  
Location: 5901 Quarantine Road, Baltimore

BMI#: MD0613  
Buck's Auto Dump  
Location: 2900 Waterview Avenue, Baltimore

BMI#: MD0971  
Cambrex Facility  
Site alias: Part of property entered VCP (Lombard Street Property - 5901 E. Lombard St.)  
Location: 5901 - 6001 Lombard Street, Baltimore

BMI#: MD0841  
Canton Crossing Retail  
Site alias: Part of Exxon Co. USA (MD-091); Standard Oil Refinery  
Location: 3501/3801 Boston Street, Baltimore

BMI#: MD0840  
Canton East - Lot 18  
Site alias: Kane Bags and Tarps; Harbor Tool and Die Company; MG Manufacturing  
Location: 1202 South East Avenue, Baltimore

BMI#: MD0856  
Canton East - Lot 18A  
Location: 1220 South East Avenue, Baltimore

BMI#: MD0989  
Carr-Lowery Glass Company  
Site alias: Includes Anchor Hocking Corp (MD-140)  
Location: 2201 Kloman Street and 2841 Waterview Avenue, Baltimore

BMI#: MD1023  
Carroll Camden Area  
Location: 600 acres approximately, Baltimore

BMI#: MD1002  
Center for Aquatic Life and Conservation (CALC)  
Site alias: Dickman Street, National Aquarium in Baltimore; includes Middle Branch Park (7.043-acre Brownfields Assessment) property and th  
Location: 101 West Cromwell Street and 101 West Cromwell and 2400 Clarkson Street, Baltimore

|   |  |  |  |
|---|--|--|--|
| BMI#: MD0082<br>Chemical Metals Inc.<br>Site alias: CMI<br>Location: 2101 and 2103<br>Annapolis Road, Baltimore   | Conoco Chemical - Baltimore<br>Plant<br>Site alias: Sasol North America<br>Location: 3441 Fairfield Road,<br>Baltimore   | BMI#: MD1068<br>Fairfield Mixed Residential I<br>Site alias: Portion of Old Fairfield<br>(VCP)<br>Location: North of Chesapeake<br>Avenue and west of Fairfield<br>Road, Baltimore       | Location: 5301 Andard Avenue,<br>Baltimore   |
| BMI#: MD0479<br>Cherry Hill/Pittman Road/Waldorf<br>Trailer/Cherry Pit Drum Site<br>(Cherry Hill Location)<br>Site alias: Magnetics, Inc.,<br>Authorized Trailer Sales<br>Location: 1700 Cherry Hill Road,<br>Baltimore | BMI#: MD1454<br>Countess Service Center<br>Location: 1302 Key Highway,<br>Baltimore  | BMI#: MD1183<br>Fairfield Mixed Residential II<br>Site alias: Portion of Old Fairfield<br>(VCP Site)<br>Location: North of Chesapeake<br>Avenue and east of Fairfield<br>Road, Baltimore | BMI#: MD0968<br>General Chemical - Baltimore<br>Terminal<br>Site alias: Olin Corp. - Curtis Bay<br>(MD-014)<br>Location: 5501 Pennington<br>Avenue, Baltimore  |
| BMI#: MD1031<br>Chesapeake Machine<br>Location: 210 South Janney<br>Street, Baltimore   | BMI#: MD0113<br>Crown Central Petroleum (1622<br>South Clinton Street)<br>Location: 1622 South Clinton<br>Street, Baltimore  | BMI#: MD0555<br>Fairfield Service Company Dump<br>Location: Near Route 895 and<br>Frankfurt Avenue, Baltimore  | BMI#: MD1320<br>General Motors Site-Area A<br>Site alias: Anchor Freight Motors<br>Location: West of Broening<br>Highway and North of Holabird<br>Avenue, Baltimore  |
| BMI#: MD0143<br>Chevron Texaco Baltimore - West<br>Yard<br>Site alias: Chevron<br>USA/Baltimore Refinery<br>Location: 1955 Chesapeake<br>Avenue, Baltimore  | BMI#: MD0112<br>Crown Central Petroleum (6000<br>Pennington Avenue)<br>Location: 6000 Pennington<br>Avenue, Baltimore  | BMI#: MD0769<br>FMC Agricultural Product Group<br>Lots 1 and 7<br>Site alias: Part of FMC Corp<br>Location: 1600 East Patapsco<br>Avenue, Baltimore                                      | BMI#: MD0728<br>General Motors Site-Area C<br>Site alias: Chevrolet Baltimore<br>Division of GM, Fisher Body BA<br>Location: West of Broening<br>Highway and north of Keith<br>Avenue, Baltimore                       |
| BMI#: MD0786<br>Chevron USA Inc., Operating<br>Yard, Baltimore Asphalt Terminal<br>Site alias: Prudential Oil;<br>Continental Oil Co (Conoco)<br>Location: 1955 Chesapeake<br>Avenue, Baltimore                         | BMI#: MD1066<br>CSX Chesapeake and Shell<br>Location: Shell Road and Childs<br>Street, Baltimore   | BMI#: MD0017<br>FMC Corp.<br>Site alias: FMC Corp. Agricultural<br>Group (MD-102)<br>Location: 1701 East Patapsco<br>Avenue, Baltimore   | BMI#: MD1216<br>General Motors Truck & Bus<br>Site alias: General Motors Site -<br>Area B and Area C (VCP)<br>Location: 2122 Broening<br>Highway, Baltimore  |
| BMI#: MD1462<br>Chevron USA/ Baltimore Refinery<br>Site alias: Includes VCP Chevron<br>Sites<br>Location: 1955 Chesapeake Ave,<br>Baltimore   | BMI#: MD0789<br>CSX Chesapeake Avenue Lot<br>Location: 700 West Chesapeake<br>Avenue, Baltimore  | BMI#: MD0948<br>FNT Realty Cherry Hill<br>Location: Cherry Hill Road and<br>Metal Road, Baltimore  | BMI#: MD0539<br>Gordon Carton / J.B.MacNeal<br>Site alias: Part of Warner Street<br>Properties (VCP)<br>Location: South of intersection of<br>Warner Street and Worcester<br>Street, Baltimore                         |
| BMI#: MD0955<br>City Center Property<br>Location: 26, 30, 32, 34, 36<br>South Calvert Street, 108, 114<br>East Lombard Street, 31 Grant<br>Street, Baltimore  | BMI#: MD1325<br>CSX Riverside Yard (Locust Point<br>Terminal)<br>Location: North of East<br>McComas, Baltimore   | BMI#: MD1403<br>Former GE Power Systems<br>Apparatus Service Center<br>Site alias: GE Fort Ave (Non-ML<br>Site)<br>Location: 900-920 East Fort<br>Avenue, Baltimore                      | BMI#: MD1085<br>GPA Industrial LLC<br>Site alias: Navistar International<br>Location: 1901-2015 Washington<br>Boulevard, Baltimore   |
| BMI#: MD0965<br>Cockey's Enterprises<br>Site alias: Baltimore Glass Mfg<br>Co, Chesapeake Iron Works; Etc<br>Location: 2001 Kloman Street,<br>Baltimore   | BMI#: MD1067<br>CSX Shell and Patapsco<br>Location: Shell Road and<br>Patapsco Street, Baltimore   | BMI#: MD1458<br>Former Reese Press<br>Location: 2301 Kirk Avenue,<br>Baltimore   | BMI#: MD1566<br>Greenmount Avenue Property<br>Site alias: 1400-1412<br>Greenmount Avenue<br>Location: 1400-1428<br>Greenmount Avenue, Baltimore  |
| BMI#: MD1022<br>Cold Spring Lane Landfill<br>Location: 2221 West Cold Spring<br>Lane, Baltimore   | BMI#: MD0622<br>Dixie Metal Co Lead Smelter<br>Site alias: Site 290; Dixie Metal<br>Compan; /K. Hettelman & Sons<br>Location: 3437 9th Street,<br>Brooklyn                             | BMI#: MD1063<br>Former Southern Can Company<br>Site alias: 3500 E. Biddle Street<br>Location: 3500 East Biddle<br>Street, Baltimore  | BMI#: MD0917<br>Gunther Brewery<br>Location: 1101, 1211 and 1221<br>South Conkling Street, Baltimore   |
| BMI#: MD1226<br>Cold Spring South<br>Location: Cold Spring Lane,<br>Baltimore   | BMI#: MD1103<br>DPW Central Garage Property<br>Site alias: Dickman Garage,<br>Baltimore DPW Garage<br>Location: 101 West Dickman<br>Street and 2300 South Hanover<br>Street, Baltimore | BMI#: MD0738<br>Former Westport Generating<br>Station<br>Location: 2033-2101 Kloman<br>Street, Baltimore   | BMI#: MD1029<br>Hawkins Point Terminal Facility<br>Site alias: Baltimore Cargo Port<br>of Embarkation; Fort Armistead<br>(C03MD0351)<br>Location: West bank of Patapsco<br>River, north of Hawkins Point,<br>Baltimore |
| BMI#: MD0176<br>Colgate Pay Dump<br>Location: 6700 Pulaski Highway,<br>Baltimore  | BMI#: MD0561<br>Eastalco Compensatory Storage<br>Yard<br>Location: 4000 Fort Armistead<br>Road, Baltimore  | BMI#: MD1069<br>Fort McHenry Shipyard<br>Location: 1201 Wallace Street,<br>Baltimore   | BMI#: MD1464<br>Hawkins Point/Maryland Port<br>Administration<br>Location: 5501 Quarantine Road,<br>Baltimore  |
| BMI#: MD0109  | BMI#: MD1030<br>Fairfield Homes<br>Location: Childs Street and Shell<br>Road, Baltimore  | BMI#: MD0977<br>Gambel Property<br>Site alias: American Recovery<br>Corp (MD-11/MD-103)  | BMI#: MD0233   |

Highlandtown Gas  
Location: 3913 Pulaski Highway, Baltimore

BMI#: MD1032  
Hiken Brothers  
Location: 307 South Eaton Street, Baltimore

BMI#: MD0367  
Hutton Avenue Landfills (East and West)  
Location: 4825-4835 Windsor Mill Road, Baltimore

BMI#: MD0283  
J.W. Boarman Company, Inc  
Site alias: Boarman, J.W. Company Inc.  
Location: 1421 Ridgely Street, Baltimore

BMI#: MD1515  
Jarvis Steel  
Location: 3437 9th Street, Baltimore

BMI#: MD0830  
John T. Lewis and Brothers  
Location: 1013-1019 East Fayette Street, Baltimore

BMI#: MD0918  
Johns Hopkins University  
Bayview Research Center  
Location: 4940 Eastern Avenue, Baltimore

BMI#: MD0169  
Kane and Lombard  
Site alias: Kane and Lombard Street Drums  
Location: Lombard Street; west of intersection with Kane Street, Baltimore

BMI#: MD1347  
Kane Street  
Location: 61 Kane Street, Baltimore

BMI#: MD0284  
Koppers Co. - Engr Met Prod  
Site alias: Kaydon Ring and Seal Inc  
Location: 1400 Bush Street, Baltimore

BMI#: MD1373  
Kurt Iron and Metal, Inc.  
Site alias: Seawitch Salvage, Patapsco Recycling  
Location: 3000 Childs Street, Baltimore

BMI#: MD0776  
Lafarge Property  
Location: 2401 Kloman Street and 2901 Waterview Avenue, Baltimore

BMI#: MD0559  
Leading Point  
Location: 5400 Quarantine Road, Baltimore

BMI#: MD1097  
Lower Herring Run Park  
Location: End of Aldricks Way, Baltimore

BMI#: MD0909  
Maryland Plaza  
Location: 30, 36 West Biddle Street, 1204 Morton Street, Baltimore

BMI#: MD0877  
Masonville Cove  
Location: 3100 Childs Street, Baltimore

BMI#: MD0936  
Matrix Metals  
Site alias: Baltimore Casting, American Brake Shoe & Foundry Co., Abex Corporation-Baltimore Works, and ABC Rail  
Location: 2001-45 Winchester Street, Baltimore

BMI#: MD0007  
MES Hawkins Point/Maryland Port Administration  
Site alias: Hawkins Point Hazardous Waste Landfill  
Location: Hawkins Point Road, Baltimore

BMI#: MD0092  
Monument Street Landfill  
Location: 3500 East Monument Street (Monument St and Edison Hwy), Baltimore

BMI#: MD1304  
Moorings at Canton  
Location: 2600 Boston Street, Baltimore

BMI#: MD1561  
Morton Shenk Cleaning Supply  
Location: 412 West Baltimore Street, Baltimore

BMI#: MD1584  
Mount Clare CSX Intermodal Facility Site  
Location: Near Intersection of Georgetown Road and Parksley Avenue, Baltimore

BMI#: MD1322  
MTA Property  
Site alias: State Application Identifier MD20050812-0733  
Location: 2099 Kloman Street, Baltimore

BMI#: MD0434  
NIH-NIA Gerontology Research Center  
Location: 4940 Eastern Avenue, Baltimore

BMI#: MD1044  
Old Fairfield  
Site alias: Includes Fairfield Mixed Residential I and II (BF); Includes AOC 1 &2, AOC 4&5,

AOC 6&7, Nine Lots in City Block 7360  
Location: Chesapeake Avenue and Carbon Avenue; Sun Street and Weedon Street, Baltimore

BMI#: MD1082  
Old Fairfield - 3208 Remley Street  
Site alias: Part of Same PUD as Old Fairfield (VCP)  
Location: 3208 Remley Street, Baltimore

BMI#: MD1422  
Olin Chemical  
Location: 5701 Pennington Avenue, Baltimore

BMI#: MD0014  
Olin Corp. - Curtis Bay  
Site alias: Part of General Chemical (VCP Site); Olin Chemical  
Location: 5501 Pennington Avenue, Baltimore

BMI#: MD1092  
Oriole Park At Camden Yards  
Location: 333 West Camden Street, Baltimore

BMI#: MD0926  
Parkin Street  
Site alias: Portion of Camden Crossing (VCP)  
Location: 200 Scott Street, Baltimore

BMI#: MD1238  
Pat Blox Property  
Location: 807 North Haven Street, Baltimore

BMI#: MD0055  
Pemco Corporation - Baltimore Facility  
Site alias: Pemco Products  
Location: 5601 Eastern Avenue, Baltimore

BMI#: MD0895  
Penn Square II Property  
Site alias: Includes the eastern portion of the Penn Square property (VCP)  
Location: 2614 - 2626 Pennsylvania Avenue, eastern portion of 2632 Pennsylvania Avenue, Baltimore

BMI#: MD1382  
Phillip Distribution Center LLC  
Location: 1430 and 1650 South Monroe Street, Baltimore

BMI#: MD1124  
Phipps Construction  
Location: 4300 Shannon Drive, Baltimore

BMI#: MD0179  
Picorp Inc  
Site alias: Part of Kane & Lombard

Location: 6508 East Lombard Street, Baltimore

BMI#: MD1292  
Pistorio Property  
Location: 1601 South Highland Avenue, Baltimore

BMI#: MD0773  
Port Covington  
Site alias: Fort Covington, Starwood Ceruzzi  
Location: 101 East McComas Street, 101, 103, 201 East Cromwell Street; 2501, 2551, 2601, 2701 Port Covington Drive, Baltimore

BMI#: MD1287  
Port Covington Property- Parcel A  
Location: 301 East Cromwell Street, Baltimore

BMI#: MD0020  
Reedbird Landfill  
Location: Potee Street and Reedbird Avenue, Baltimore

BMI#: MD1389  
Ritz Carlton Hotel  
Location: 801 Key Highway, Baltimore

BMI#: MD0009  
SCM Corp. - Quarantine Road Site  
Site alias: SCM Millenium Hpp; Robb Tyler; Glidden; Dupont  
Location: 5901 Quarantine Road, Baltimore

BMI#: MD0191  
Scott Street Station  
Location: Scott Street and Ostend Street, Baltimore

BMI#: MD1071  
Seton Business Park  
Location: Metro Drive, Baltimore

BMI#: MD1184  
Shannon Drive  
Site alias: Sinclair Industrial Park (Brownfields)  
Location: 4225 Shannon Drive, Baltimore

BMI#: MD0279  
Sherwin Williams  
Location: 2325 Hollins Ferry Road, Baltimore

BMI#: MD1604  
Silo Point NPS SPS  
Site alias: Silo Point North Pad Site and South Pad Site  
Location: 1700 Beason Street, Baltimore

BMI#: MD1600  
Simpson and Doeller Label Company  
Site alias: East Preston Company; Levinson & Klein Furniture

Location: 2827 East Preston Street, Baltimore

BMI#: MD1273  
Society Cleaners  
Site alias: Snyder's Cleaners; Biscoe Property; 5900 Eastern Ave  
Location: 5920 Eastern Avenue, Baltimore

BMI#: MD1399  
South Eden Street  
Location: 415, 417, 419 South Eden Street, Baltimore

BMI#: MD0571  
South Locust Point Marine Terminal  
Location: 2025 E McComas Street, Baltimore

BMI#: MD0751  
Southside Marketplace  
Location: 857 East Fort Avenue, Baltimore

BMI#: MD0145  
Spring Gardens - BGE  
Location: 1699 Leadenhall Street, Baltimore

BMI#: MD1590  
Stadium Square I Property  
Site alias: Baltimore Tool Works; ABC Box Company  
Location: 101, 117, 123, 125, 127, 129, 131, 133, 135, West Cross Street; 1103, 1105, 1107, 1109, 1111, 1135 Leadenhall Street; 138 West, Baltimore

BMI#: MD1610  
Stadium Square II Property  
Site alias: Furst Brothers, VacPac, U.S. Post Office, Durapak  
Location: 101, 125, 127, 129, 131, 133, 135, 137, 145 West West Street, 1203 & 1223 Leadenhall Street, 150 West Ostend Street, 1220 Race, Baltimore

BMI#: MD0819  
State Center Parcel I2  
Location: 101 West Preston Street, Baltimore

BMI#: MD0818  
State Center Property - Parcel G  
Location: 900 North Eutaw Street, Baltimore

BMI#: MD0131  
Texaco Inc.  
Site alias: Texaco USA - Baltimore Terminal  
Location: 3820 Fourth Avenue, Baltimore

BMI#: MD0778  
The 2005 Maryland Ave, LLC  
Location: 223-225 Pearl Street, Baltimore

BMI#: MD0558  
Thoms Cove  
Location: 5501 Quarantine Road, Baltimore

BMI#: MD0927  
Tolkoff Warehouse  
Site alias: Part of Gunther Brewery - Parcel 5 - "Ale, Pilsner and Stout Building"  
Location: 1101, 1211, and 1221 South Conkling Street and 3701 O'Donnell Street, Baltimore

BMI#: MD0888  
Undeveloped Lot - 6001 East Lombard Street  
Site alias: Old Bayview Rubble Fill; Cambrex Bioscience  
Location: 6001 East Lombard Street, Baltimore

BMI#: MD1180  
Warner Street Properties Brownfields  
Site alias: Maryland Chemical; includes Gordon Carton-JB MacNeal Site (PreRem)  
Location: 1551 Russell Street, 1501, 1601, 1633 Warner Street, 2104 Worcester Street, 2102 Oler Street, Baltimore

BMI#: MD1274  
Warner Street Wetlands  
Location: 1400-1600 Warner Street, Baltimore

BMI#: MD0773  
Washington Hill  
Location: 1951 East Fayette Street, Baltimore

BMI#: MD1357  
Waterview Property  
Site alias: Former WFBR Station Building  
Location: 3100 Waterview Avenue, Baltimore

BMI#: MD0815  
West 25th Street and North Howard Street Properties - East Side  
Site alias: Anderson Automotive; United Railways and Electric Car Barn  
Location: 101 West 25th Street, Baltimore

BMI#: MD0814  
West 25th Street and North Howard Street Properties - West Side  
Site alias: Indian Oil Refining Company; Security Oil Company; Anderson Automotive (Honda Sales); Wallace and Gale Company; John H. Hampshire  
Location: 204 West Ware Street; 2438 North Howard Street; 2500 Huntingdon Avenue; 300, 330 and 400 West 24th Street, Baltimore

BMI#: MD1040  
Westport Junction Depot  
Location: 2120 Annapolis Road, Baltimore

BMI#: MD1388  
Wetzel Brothers  
Location: 2213 McElderry Street, Baltimore

BMI#: MD0869  
Woodberry Quarry  
Location: 2107 West Cold Spring Lane, Baltimore

#### BALTIMORE COUNTY

BMI#: MD1428  
11411 Red Run Blvd.  
Location: 11411 Red Run Blvd., Owings Mills

BMI#: MD0772  
12110 Pulaski Highway  
Location: 12110 Pulaski Highway, Joppa

BMI#: MD1475  
14106 and 14108 Jarrettsville Pike  
Location: 14106 and 14108 Jarrettsville Pike, Phoenix

BMI#: MD1617  
Avalon Hunt Valley  
Site alias: Hunt Valley Towne Centre, Hunt Valley Mall, Macy's, Wal-Mart, MVP Lanes  
Location: 100 Shawan Road, Hunt Valley

BMI#: MD0173  
Avesta Sheffield  
Site alias: Eastern Stainless Steel  
Location: 7700 Rolling Mill Road, Baltimore

BMI#: MD0603  
Baltimore Lumber Company  
Bozarth Job  
Site alias: Bozarth Import Car Services  
Location: 2200 Edgewater Avenue, Dundalk

BMI#: MD0606  
Bare Hills Quarries and Pits  
Location: Near the intersection of Falls Road and Old Pimlico Road, Baltimore

BMI#: MD0297  
Bauer Farm  
Site alias: Shaw's Discovery  
Location: North Point Road and Bauer Farm Road, Edgemere

BMI#: MD0733  
Belko  
Location: 11931 Jericho Road, Kingsville

BMI#: MD1025  
Bethlehem Steel Shipyard

Location: 600 Shipyard Road, Sparrows Point

BMI#: MD1490  
BGE Riverside  
Location: 4000 Broening Highway, Baltimore

BMI#: MD1323  
Blenheim Road  
Location: Intersection of Blenheim Road and Sweet Air Road, Jacksonville

BMI#: MD0848  
Bok Asbestos Mines  
Location: Off Dogwood Road, Baltimore

BMI#: MD0018  
Browning Ferris Ind - Chemical Processing Center  
Site alias: Norris Farm LF (MD-022/023); BFI Chemical Processing Center  
Location: 101 Norris Lane, Baltimore

BMI#: MD1265  
Chadwick Cleaners  
Location: 7133 Security Boulevard, Baltimore

BMI#: MD1080  
Chesapeake Park Plaza - Block D  
Site alias: Glenn L Martin Facility - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD1072  
Chesapeake Park Plaza - Block F  
Site alias: Glenn L Martin Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD0958  
Chesapeake Park Plaza - Block G, Lot 1  
Site alias: Glenn L Martin - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD0959  
Chesapeake Park Plaza - Block H  
Site alias: Glenn L Martin - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD0960  
Chesapeake Park Plaza - Block I  
Site alias: Glenn L Martin - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD1081  
Chesapeake Park Plaza - Blocks E & E Lot 3  
Site alias: Glenn L Martin Facility - Plant 1, Lockheed Martin

|  |  |   |  |
|--|--|---|--|
| Location: 2323 Eastern Boulevard, Middle River   | Location: Antietam Street, Baltimore   | Plaza Mall (Even), 3615 Brenbrook Road, Randallstown  | Location: Paper Mill Road and Sunnybrook Road, Jacksonville  |
| BMI#: MD1127<br>Cockeysville Drum Site<br>Location: York Road and Beaver Run Lane, Cockeysville  | BMI#: MD0907<br>Galleria Atrium and Galleria Towers<br>Site alias: Seminary Galleria, LLC; Seminary Cleaners<br>Location: 1407 and 1447 York Road, Lutherville | BMI#: MD1522<br>Manor Road Contamination<br>Location: Manor Road and Turnberry Court, Monkton   | BMI#: MD0908<br>Pikesville Shopping Center<br>Site alias: Pikesville One Hour Cleaners<br>Location: 1400 Reisterstown Road, Pikesville   |
| BMI#: MD0380<br>Cutronics<br>Location: 1925 and 1941 Greenspring Drive, Timonium   | BMI#: MD0316<br>Gibson Homans<br>Location: 1101 Hanzlik Avenue, Rosedale   | BMI#: MD0172<br>Martin Marietta Laboratories<br>Site alias: Martin Marietta Corp.; Formerly 1601 South Rolling Road)<br>Location: 1450 South Rolling Road, Baltimore        | BMI#: MD0878<br>Powhatan Second Prospect Site<br>Site alias: Mett Mine<br>Location: Off Dogwood Rd, Baltimore  |
| BMI#: MD1128<br>Dupont Co.<br>Location: Pulaski Highway and Batavia Farm Road, Rosedale  | BMI#: MD1129<br>Glyndon Rail Tracks Dump<br>Location: North of Butler Road and Wabash Avenue, Glyndon  | BMI#: MD0304<br>Martin State Airport<br>Location: 1701 Wilson Point Road, Baltimore   | BMI#: MD1073<br>Quad Avenue<br>Site alias: Industrial Enterprises, Inc<br>Location: 7100 Quad Avenue, Rosedale   |
| BMI#: MD0174<br>East Baltimore Dumping Complex<br>Site alias: Includes 68th Street Dump/Industrial Enterprises/R.M. Winstead<br>Location: 68th Street, Baltimore | BMI#: MD0212<br>Granite - Control Nike BA-79/W-05<br>Location: 2845 Hernwood Road, Woodstock   | BMI#: MD0310<br>Maryland Air National Guard<br>Site alias: Martin's State Airport Site II (ANG)<br>Location: Eastern Avenue and Wilson Point Road, Baltimore                | BMI#: MD1131<br>Reading/White Hall Paper Board Co.<br>Site alias: Federal Paperboard Company<br>Location: Wiseburg Road and Big Falls Road, White Hall   |
| BMI#: MD1098<br>Farboil Paint Company<br>Location: 8200 Fischer Road, Baltimore  | BMI#: MD0211<br>Granite - Launch Nike BA-79/W-05<br>Site alias: C03MD0244<br>Location: 3085 Herwood, Woodstock   | BMI#: MD0730<br>Maryland Department of Transportation Sparrows Point<br>Location: MD Route 157 (Peninsula Boulevard), Baltimore   | BMI#: MD0133<br>RM Winstead Co.<br>Site alias: Lacrosse Chemical Co; Part of MD-174<br>Location: 68th Street And Pulaski Highway, Rosedale   |
| BMI#: MD0210<br>Fork - Control Nike BA-09<br>Site alias: Fork Battery Control Area (C03MD0234)<br>Location: End Of Hutschenreuter Road, Kingsville               | BMI#: MD0214<br>Greenspring - Control BA92<br>Site alias: C03MD0246<br>Location: 12100 Greenspring Avenue, Greenspring   | BMI#: MD1275<br>Naval Reserve Industrial Plant - Bengies<br>Site alias: Glenn L. Martin Co Plant #2, Middle River Depot<br>Location: 2700-2800 Eastern Avenue, Middle River | BMI#: MD1132<br>Rosedale SHA<br>Site alias: Landscape Depot<br>Location: 8355 Pulaski Highway, Rosedale  |
| BMI#: MD0209<br>Fork - Launch Nike BA-09<br>Site alias: Fork Launch Control Area (C03MD0234)<br>Location: Off Stockdale Road, Kingsville                         | BMI#: MD1130<br>Highlands Corporate Office Park<br>Location: Ridgebrook Road and York Road, Sparks   | BMI#: MD1345<br>Northview Shopping Center<br>Location: 9634 Bel Air Road, Perry Hall  | BMI#: MD1132<br>Rosedale SHA<br>Site alias: Landscape Depot<br>Location: 8355 Pulaski Highway, Rosedale  |
| BMI#: MD1479<br>Former Murray Cleaners<br>Site alias: Murray's Cleaners, Murrays Silk Cleaners<br>Location: 520 Main Street, Reisterstown                        | BMI#: MD0752<br>I-95 Section 100 Right-of-Way at Trumps Mill Road<br>Location: I-95, Baltimore   | BMI#: MD0449<br>Parkton Landfill<br>Location: I-83 and York Road, Parkton   | BMI#: MD1419<br>Rossville Coal Ash Structural Fill Site<br>Site alias: Rossville Industrial Park (Phase IV), Baltimore Brick Company<br>Location: 9114-9200 Yellow Brick Road, 9107-9201 Yellow Brick Road and west side Lennings Lane, Rosedale |
| BMI#: MD0776<br>Former Seagram Property<br>Site alias: Joseph E. Seagram & Sons, Inc; Brewery Station<br>Location: 7101 Sollers Point Road, Baltimore            | BMI#: MD0184<br>Industrial Enterprises<br>Site alias: Part of 68th Street Dump<br>Location: 7100 Quad Avenue, Baltimore  | BMI#: MD1381<br>PDS Facility aka Canton Property<br>Site alias: Pre-Delivery Service Facility; Central Foundry Co.<br>Location: 2950 Dundalk Avenue, Baltimore              | BMI#: MD0181<br>Sauer Dump<br>Location: 4225 Lynhurst Road, Baltimore  |
| BMI#: MD0851<br>Fort Carroll Island<br>Site alias: C03MD1017<br>Location: Patapsco River near Sollers Point Road, Baltimore                                      | BMI#: MD0624<br>Industrial Metal Melting Lead Smelter<br>Site alias: Site 43<br>Location: 108 East Barney Street, Baltimore                                    | BMI#: MD0157<br>Phoenix Military Reservation Fire Control Area<br>Site alias: U.S. Army Phoenix - Control<br>Location: Sunnybrook Road, Phoenix                             | BMI#: MD0562<br>Simkins Industries<br>Site alias: Simkins Dump<br>Location: 201 River Road, Catonsville  |
| BMI#: MD0850<br>Fort Carroll Mainland<br>Site alias: C03MD1017<br>Location: 300 Authority Drive and 900 South New Pittsburg Avenue, Baltimore                    | BMI#: MD1514<br>Jacksonville PCE<br>Site alias: Jarrettsville Pike PCE<br>Location: 14110 - 14114 Jarrettsville Pike, Jacksonville                             | BMI#: MD0234<br>Phoenix Military Reservation Launch Area<br>Site alias: Phoenix Military Reservation Complex; U.S. Army Phoenix - Launch (C03MD0073); MD-234?               | BMI#: MD0586<br>South Hilltop Road Dump<br>Site alias: Simkins Dump; Part of Simkins Industries (VCP)<br>Location: 210 River Road, Catonsville   |
| BMI#: MD0528<br>Fort Howard<br>Site alias: C03MD0355   | BMI#: MD1442<br>Liberty Plaza<br>Location: 8700 & 8710 Liberty Road, 8701-8725 Liberty Plaza Mall (Odd), 8624-8732 Liberty                                     |   | BMI#: MD1598<br>Sparrows Point   |

Site alias: Bethlehelem Steel;  
Severstal Sparrows Point  
Location: 1430 Sparrows Point  
Boulevard and 5111 North Point  
Boulevard, Baltimore

BMI#: MD1046  
Sparrows Point Shipyard LLC  
Site alias: Bethlehem Shipyard  
Location: 600 Shipyard Road,  
Baltimore

BMI#: MD1539  
Spring Grove Hospital  
Location: Wade Avenue,  
Catonsville

BMI#: MD0265  
Stansbury Park  
Location: Stansbury Road and  
Hydrangea Road, Dundalk

BMI#: MD0941  
Strawberry Point  
Location: 701 Wilson Point Road  
and 2323 Eastern Boulevard,  
Middle River

BMI#: MD1000  
The Lakes at Stansbury Shores  
Site alias: Johns Hopkins  
Property  
Location: 8315 Stansbury Road,  
Baltimore

BMI#: MD1219  
Thomas Manufacturing  
Corporation  
Location: 100 Dairy Road,  
Parkton

BMI#: MD1473  
Towson Launch BA-92 (same as  
MD-213)  
Location: Ridge Road near Route  
45, Towson

BMI#: MD0900  
Towson Row  
Site alias: Seitz Property; Swartz  
Property  
Location: 10, 21 & 28  
Susquehanna Avenue, 305 York  
Road, 13, 15, 21, 23, 25, 27-31 &  
47-49 Chesapeake Avenue,  
Towson

BMI#: MD0847  
Unnamed Prospect at Powhatan  
Site alias: Mett Mine; Also  
includes part of Valerie Manor  
(Lots 1,2,3 & 4)  
Location: Off the intersection of  
Dogwood Road and Gwynn Oak  
Avenue, Woodlawn

BMI#: MD0593  
Westview Park NOA Site  
Location: 1505 North Rolling  
Road, Catonsville

#### **CALVERT COUNTY**

BMI#: MD1053

Chesapeake Beach Detachment-  
Naval Res  
Location: 5813 Bayside Road,  
Chesapeake Beach

BMI#: MD1026  
Grafton Jones  
Site alias: Calvert County Dump  
Location: 2901 Beaver Dam  
Road, Chesapeake Beach

BMI#: MD0058  
Naval Recreation Center  
Solomons  
Site alias: Naval District  
Washington Solomons Complex;  
Navreecen Solomon's  
Location: Confluence of Patuxent  
River & Chesapeake Bay,  
Solomons

BMI#: MD0062  
Naval Research Lab -  
Chesapeake Bay Detachment  
Site alias: NRL Chesapeake  
Location: Route 261, Randle Cliff  
Beach

BMI#: MD1340  
Solomon's Amphibious Training  
Base  
Location: Dowell Road,  
Solomons

BMI#: MD0058  
USN Surface Warfare Center -  
Solomon's Island  
Location: Department of the  
Navy, Solomon's Island

#### **CAROLINE COUNTY**

BMI#: MD1001  
Electro-Therm Incorporated  
Facility  
Location: 24562 Meeting House  
Road (Route 404), Denton

BMI#: MD0240  
Reliance Wood Preserving  
Location: Industrial Park Drive,  
Federalsburg

BMI#: MD0563  
Roland Rigby Property  
Location: 463 Grygo Road,  
Marydel

BMI#: MD1148  
Rossnan Property, Goldsboro  
Location: 316 Railroad Avenue,  
Goldsboro

BMI#: MD0576  
Sunshine Cleaners  
Site alias: Sunshine Laundry and  
Dry Cleaners, Reliable/Resort  
Commercial Laundry  
Location: Main Street Extended  
(101 River Road), Federalsburg

#### **CARROLL COUNTY**

BMI#: MD1295  
7520 Main Street

Site alias: Also 7522 Main St.  
Location: 7520 Main Street,  
Sykesville

BMI#: MD1258  
All State Welding (ESAB)  
Site alias: ESAB Welding &  
Cutting Products  
Location: 5112 Allendale Lane,  
Taneytown

BMI#: MD0602  
Avenue Cleaners  
Location: 46 1/2 Pennsylvania  
Avenue, Westminster

BMI#: MD0333  
Bachmans Valley Landfill,  
Location I  
Location: 737 Bachmans Valley  
Road, Manchester

BMI#: MD0370  
Black & Decker  
Location: 3626 Hanover Pike,  
Hampstead

BMI#: MD1493  
Carroll County Arsenic Study  
Location: ,  
Taylorsville/Westminster

BMI#: MD1007  
Castle Farms  
Site alias: Adjacent to  
Hampstead Trade Center (VCP)  
Location: 701 Houcksville Road,  
Hampstead

BMI#: MD1312  
Clearview Airport  
Location: 526 Oaktree Road,  
Westminster

BMI#: MD1441  
Hampstead Trade Center  
Site alias: Leister Property;  
adjacent to Castle Farms (BF)  
Location: Houcksville Road,  
Hampstead

BMI#: MD0447  
Hodges Landfill  
Location: Hodges Road,  
Eldersburg

BMI#: MD1076  
Hoff Property  
Location: Southeast of 1125  
Poole Road, Westminster

BMI#: MD0732  
Keystone Landfill  
Location: Pennsylvania, Union  
Township

BMI#: MD1516  
Klees Mill Road  
Location: 5412 S. Klees Mill  
Road, Sykesville

BMI#: MD1150  
Lippy Bros. Tire Dump

Site alias: Carroll County Tire  
Dump; Bachman Valley Tire  
Dump  
Location: 334 Lees Mill Road,  
Westminster

BMI#: MD0332  
Mil Spec Fasteners  
Location: 314 Hanover Pike  
(Route 30), Hampstead

BMI#: MD0595  
Mineral Hill Naturally Occurring  
Asbestos  
Site alias: Mineral Hill NOA;  
Mineral Hill Mining Company;  
Tyler Mining Company  
Location: Off of Route 32;  
Southeast of Steep Drive,  
Eldersburg

BMI#: MD0577  
Modern Ideal Cleaners  
Location: 223 East Green Street,  
Westminster

BMI#: MD1420  
Northrop Gruman/Springfield  
Hospital Center  
Site alias: Northrop Gruman  
Systems Corporation Electronic  
Systems Sykesville Facility (7301  
Sykesville Road)  
Location: 6655 Sykesville Road,  
Sykesville

BMI#: MD1245  
River Downs Property  
Location: Lawndale Road,  
Finksburg

BMI#: MD1314  
Roop Farm  
Location: Route 27 and Kate  
Wagner Road, Westminster

BMI#: MD0919  
Southern States Grist Mill  
Site alias: Serra Property  
Location: 7625 Main Street,  
Sykesville

BMI#: MD0590  
Springfield Mines Naturally  
Occurring Asbestos (NOA)  
Site alias: Springfield Iron &  
Copper Mine  
Location: 900 feet Northeast of  
710 Obrecht Road, Sykesville

BMI#: MD1342  
Taneytown Cleaners  
Location: 9 Middle Street,  
Taneytown

BMI#: MD0798  
Westminster Citgo  
Location: Route 140 and Englar  
Road, Westminster

#### **CECIL COUNTY**

BMI#: MD0474  
Anchor Marina Assessment  
Site alias: Anchor Marina, Inc.

|   |   |  |   |
|---|---|--|---|
| Location: Iroquois Drive, North East  | Location: Zeitler Road, Elkton  | Location: 505 Blue Ball Road, Triumph Industrial Park, Elkton  | Location: Red Toad Road, Port Deposit   |
| BMI#: MD0430<br>Bainbridge Naval Training Center<br>Site alias: Includes Bainbridge Residential Phase IA (VCP)<br>Location: Route 222 (Bainbridge Road), Bainbridge                             | BMI#: MD0761<br>Elkton Farm Unit 4<br>Site alias: Part of Elkton Farm (MD-433)<br>Location: 183 Zeitler Road, Elkton  | BMI#: MD0541<br>Keystone Fireworks<br>Location: 1687 East Old Philadelphia Road, Elkton  | BMI#: MD0548<br>Reginald Thompson Property<br>Location: Oldfield Point Road, Elkton   |
| BMI#: MD0431<br>Bainbridge Residential, Phase IA<br>Site alias: Part of Bainbridge Naval Training Ctr (MD-430)<br>Location: Intersection of MD Route 222 and Bainbridge Boulevard, Port Deposit | BMI#: MD0531<br>Elkton Sparkler Company<br>Site alias: MD-531<br>Location: 22 Sparkler Lane, North East   | BMI#: MD0857<br>LH Cleaners<br>Location: 115 Railroad Ave, Elkton  | BMI#: MD0075<br>Route 7 Chem Dump Site<br>Site alias: Part of New Jersey Fireworks<br>Location: 1.9 miles west off Route 40, Elkton   |
| BMI#: MD0592<br>Bald Friar Quarry<br>Site alias: Camp Shadowbrook<br>Location: Camp Shadowbrook Road, Conowingo   | BMI#: MD1268<br>Former PECO Elkton Service Building<br>Site alias: Peco Energy Company<br>Location: Intersection of Bridge Street and High Street, Elkton                                     | BMI#: MD0582<br>Maryland Assemblies<br>Site alias: Champion Company, Inc.; MDASM<br>Location: 683 Dr. Jack Road, Port Deposit  | BMI#: MD0045<br>Spectron<br>Site alias: Galaxy<br>Location: 111 Providence Road, Elkton   |
| BMI#: MD0944<br>Blue Chip Products<br>Location: 301 Singerly Avenue, Elkton   | BMI#: MD0294<br>GE Railcar Repair Services<br>Site alias: Stauffer Chemical (MD-099)<br>Location: 505 Blue Ball Road, Elkton  | BMI#: MD0537<br>Maryland Cork<br>Location: Trinco/Triumph Industrial Park, P.O. Box 126, Elkton  | BMI#: MD0600<br>Sun Cleaners<br>Location: 24 Buckley Avenue, Rising Sun   |
| BMI#: MD0545<br>Carpenters Point Proof Range<br>Location: Carpenters Point Road, Charlestown  | BMI#: MD0570<br>Globe Fireworks/Bacon Hill<br>Site alias: Interstate Fireworks, Eagle Fireworks, Beacon Hill, Brooks Pyrotechnics<br>Location: Route 7 near Elk Neck State Forest, North East | BMI#: MD0033<br>Maryland Sand, Gravel and Stone<br>Site alias: Sand, Gravel & Stone (MD-085)<br>Location: Route 40; South of intersection of Marley Road and Nottingham Road, Elkton | BMI#: MD0100<br>Thiokol Corp. - Elkton<br>Location: Trinco Industrial Park, Elkton  |
| BMI#: MD1315<br>Charles Baker Property<br>Location: 2116 Blue Ball Road, Elkton   | BMI#: MD1279<br>Herron Area 1<br>Site alias: Part of Elkton Farm (MD-433)<br>Location: Herron Farm, portion west of Laurel Run, Elkton  | BMI#: MD0137<br>Montgomery Brothers Dump<br>Location: Between Inverness Drive, Walden Court and Champlain Road, North East   | BMI#: MD0762<br>Thiokol Motor Recovery Area<br>Site alias: Part of Elkton Farm (MD-433)<br>Location: 183 Zeitler Road, Elkton   |
| BMI#: MD1237<br>Chesapeake Publishing Company<br>Elkton<br>Location: 601 North Bridge Street, Elkton  | BMI#: MD0748<br>Herron Area 2<br>Site alias: Part of Elkton Farm (MD-433)<br>Location: Herron Farm, portion north of Zeitler Road, Elkton   | BMI#: MD1050<br>Morton Thiokol Ammunition Plant<br>Site alias: C03MD1012<br>Location: Triumph Industrial Park off Blue Ball Road, Elkton   | BMI#: MD1477<br>Town of Elkton Groundwater Study<br>Location: Multiple Addresses, Elkton  |
| BMI#: MD0318<br>Childs Property<br>Location: 172 Childs Road, Childs  | BMI#: MD0748<br>Herron Area 3<br>Site alias: Part of Elkton Farm (MD-433); Includes Elkton Farm Firehole (PA/SI/FUDS)<br>Location: Herron Farm, portion south of Zeitler Road, Elkton         | BMI#: MD0386<br>National Fireworks<br>Location: 900-1000 Singerly Road, Elkton   | BMI#: MD1185<br>Trinco Industrial Park - 18 Lots<br>Site alias: Cecil Industrial Park<br>Location: 801 Blue Ball Road, Elkton   |
| BMI#: MD1151<br>Cowentown Dump<br>Site alias: Duxbak, Inc.; Commander Garnet<br>Location: 0.5 mile west of North East on Route 7 (south side), North East                                       | BMI#: MD0450<br>Hopkins Quarry<br>Location: Hopkins Quarry Road and Route 222, Port Deposit   | BMI#: MD0075<br>New Jersey Fireworks/Route 7 Dump<br>Site alias: Includes Route 7 Chemical Dump (MD-075)<br>Location: 1726 Old Philadelphia Road, Elkton                             | BMI#: MD0553<br>Triumph Explosives Burn Pit<br>Location: Triumph/Trinco Industrial Park, Elkton   |
| BMI#: MD0313<br>Dwyer Property<br>Location: Route 275 and Route 549, Elkton   | BMI#: MD0984<br>Ionics/Perelli Cable (off-site plume)<br>Location: Adjacent to 801 Elkton Boulevard, Elkton   | BMI#: MD0268<br>Ordnance Products<br>Location: 1079 Mechanics Valley Road, North East  | BMI#: MD0303<br>Triumph Industrial Park/WL Gore<br>Site alias: WL Gore Left Bank; Trinco Industrial Park<br>Location: Triumph Industrial Park off Blue Ball Road; 3 Blue Ball Road; P.O. Box 1130, Elkton |
| BMI#: MD0433<br>Elkton Farm<br>Site alias: Includes Herron Farm Area 1, Area 2, Area 3, Area 4 (VCP)<br>Location: 183 Zeitler Road, Elkton  | BMI#: MD0372<br>IP Inc.<br>Site alias: Isocyanate Products, Inc   | BMI#: MD1152<br>Perryville Rail Yard<br>Location: Front Street, Perryville   | BMI#: MD0366<br>Vicon Property<br>Site alias: Walnut Station; (Winsor Pointe) Walnut Hill Station<br>Location: 900-1100 Singerly Road, Elkton   |
| BMI#: MD0533<br>Elkton Farm Firehole<br>Site alias: Part of Herron Area 3 (VCP)   | BMI#: MD0544<br>Red Toad Road Disposal Site   | BMI#: MD1119<br>Port Deposit MGP<br>Location: Main Street (Route 222), Port Deposit  | BMI#: MD0536<br>Victory Sparkler<br>Site alias: Plasticoid Company  |

Location: 249 West High Street,  
Elkton

BMI#: MD0337  
WL Gore - Cherry Hill  
Location: 2401 Singerly Road,  
Elkton

BMI#: MD0487  
Woodlawn II  
Site alias: Son of Woodlawn  
Location: Waibel Road, Colora

BMI#: MD0050  
Woodlawn Landfill  
Site alias: Associated w/  
Woodlawn II (Non-ML Site)  
Location: One mile north of  
intersection of Route 275 and  
Route 276, Woodlawn

#### CHARLES COUNTY

BMI#: MD0136  
Blossom Point Field Test Area  
Location: Cedar Point Neck, La  
Plata

BMI#: MD0261  
Charles County Sanitary Landfill  
Location: Route 425 and Route  
484, Pisgah

BMI#: MD0774  
Cherry Hill/Pittman Road/Waldorf  
Trailer/Cherry Pit Drum Site  
(Waldorf Location)  
Site alias: Magnetics, Inc.;  
Southern Maryland Traler Rental  
Location: 2690 Old Washington  
Road, Waldorf

BMI#: MD1377  
Jameson-Harrison American  
Legion Post 238 & Dyson Besche  
REA  
Site alias: A.C. Besche Real  
Estate  
Location: 15322 Prince Frederick  
Road, Hughesville

BMI#: MD0064  
Naval Ordnance Station - Indian  
Head  
Location: 101 Strauss Avenue,  
Indian Head

BMI#: MD1466  
Naval Surface Warfare Center -  
Indian Head  
Location: Strauss Avenue (Route  
210), Indian Head

BMI#: MD0218  
Pomonkey - Control Nike W-54  
Site alias: Former Battery Control  
(C03MD0243)  
Location: Bumpy Oak Road,  
Pomonkey

BMI#: MD0217  
Pomonkey - Launch Nike W-54  
Site alias: C03MD0243  
Location: Bumpy Oak Road,  
Pomonkey

BMI#: MD0957  
Smallwood Village Shopping  
Center  
Location: 100-238 Smallwood  
Village Center, Waldorf

BMI#: MD0216  
U.S. Naval Research Lab -  
Control  
Site alias: C03MD0242  
Location: End of Laurel Branch  
Road, Waldorf

BMI#: MD0219  
Waldorf - Control Nike W44  
Site alias: C03MD0241  
Location: Country Lane,  
Mattawoman

#### DORCHESTER COUNTY

BMI#: MD0087  
Bloodsworth Archipelago - USN  
Site alias: USN Bloodsworth  
Archipelago  
Location: Convergence of Fishing  
Bay, Nanticoke River and Honga  
River, Dorchester

BMI#: MD1361  
Cambridge, Inc.  
Location: 105 Goodwill Road,  
Cambridge

BMI#: MD1153  
Connelly Container  
Location: 903 Woods Road,  
Cambridge

BMI#: MD0854  
Former Dorset Cleaners  
Site alias: Stivers Property  
Location: 201 Green Street,  
Cambridge

BMI#: MD0420  
Nelson's Body Shop  
Location: 825 Chesapeake Drive,  
Cambridge

BMI#: MD1149  
Phillips Packing  
Location: 1 Washington Street,  
Cambridge

#### FREDERICK COUNTY

BMI#: MD1478  
4014 Sigler Circle  
Location: 4014 Sigler Circle,  
Jefferson

BMI#: MD0804  
565 East Church Street  
Site alias: Frederick Painting  
Company  
Location: 565 East Church  
Street, Frederick

BMI#: MD1154  
Applied Communications Building  
Site alias: Amstar Building; 270  
Technology Park

Location: 5300 Spectrum Drive,  
Frederick

BMI#: MD1250  
Applied Electro Mechanics  
Location: 4016 Rock Hall Road,  
Point Of Rocks

BMI#: MD1343  
Butterfly Lane  
Location: 5731B And 5735  
Butterfly Lane, Frederick

BMI#: MD0945  
CSX Railyard  
Location: C&O Canal Park near  
Mile Post 55, Brunswick

BMI#: MD0202  
Eastalco Aluminum Co.  
Site alias: Includes Catoctin  
Power property  
Location: 5601 Manor Woods  
Road, Frederick

BMI#: MD1504  
ESSROC Cement Corporation  
(Well Contamination)  
Location: 4120 Buckeystown  
Pike, Frederick

BMI#: MD0076  
Fort Detrick - USA  
Site alias: Frederick Cancer  
Research Center (MD-066)  
Location: Fort Detrick, Frederick

BMI#: MD0428  
Fort Detrick Area B  
Location: Rosemont Avenue,  
Frederick

BMI#: MD1186  
Frederick Cooperative  
Site alias: Farmers Cooperative  
Location: 35 East South Street,  
Frederick

BMI#: MD1348  
Frederick Parcel D  
Location: Commerce Street and  
East Street, Frederick

BMI#: MD0925  
Frederick Parcel F  
Location: East Street and  
Commerce Street, Frederick

BMI#: MD1048  
Frederick Parcel G  
Site alias: Includes Lot/Bean  
Factory (Parcel G, Lot 1)(VCP)  
and Frederick Revitalization I  
(VCP)  
Location: 5 and 11 Commerce  
Street, 101 and 103 East South  
Street, 126 South Carroll Street,  
Frederick

BMI#: MD1173  
Frederick Parcels J and K  
Location: 400-423 East Patrick  
Street, Frederick

BMI#: MD1444

Frederick Shell  
Site alias: Part of Frederick  
Shopping Center  
Location: 1401 West 7th Street,  
Frederick

BMI#: MD0164  
Frederick Town Gas  
Location: 350 East Church  
Street, Frederick

BMI#: MD1520  
Lions Merryland Park  
Location: 3673 Petersville Road,  
Rosemont

BMI#: MD0740  
Lot 2, Site F (Governor William  
Donald Schaefer State Office)  
Site alias: Site F; Lot 2 "Site F"  
Location: 101 East All Saints  
Street, Lot 2, Frederick

BMI#: MD0486  
Marinace Pesticide Site  
Location: 10919 Green Valley  
Road, Johnsville

BMI#: MD1278  
McHenry Property  
Site alias: McHenry Auto Parts,  
Frederick Site I; Patrick Street  
MGP (NML)  
Location: 300 East Patrick Street,  
Frederick

BMI#: MD1187  
Middletown Fuel Depot  
Location: 201 South Church  
Street, Frederick

BMI#: MD0060  
Naval Support Facility - USN  
Site alias: USN Naval Support  
Facility  
Location: Catoctin Mountain  
National Park; Post Office Box  
1000, Thurmont

BMI#: MD0066  
NCI Frederick Cancer Research  
Site alias: Fort Detrick (MD-076)  
Location: Fort Detrick, Frederick

BMI#: MD0629  
North End Cleaners  
Site alias: Joe's Cleaners, Joe's  
North End Cleaners  
Location: 413 North Market  
Street, Frederick

BMI#: MD0995  
Parcel J and Lot 1 of the Wayside  
(Young) Property  
Location: 400 Block on East  
Patrick Street, Frederick

BMI#: MD0734  
Parcel K  
Location: 400 Block of East  
Patrick Street, Frederick

BMI#: MD0521  
Roddy Road Dump  
Site alias: Roddy Road Corridor

Location: 7914 Apples Church Road, also off of Roddy Road, Thurmont

BMI#: MD1240  
Rotorex Property, Parcel 74  
Site alias: Fedders Corporation;  
Monocacy Trading Center  
Location: 8301-B Retreat Road,  
Walkersville

BMI#: MD1156  
Schrodel Farm  
Location: 9234-B Reichs Ford  
Road, Frederick

BMI#: MD1284  
Site D-Former B & O Terminal  
Location: Between Carroll Creek,  
Carroll Street, East Street and  
East All Saints Street, Frederick

BMI#: MD1155  
St. Angelo's Site  
Location: 9604 North Perry Road,  
Ijamsville

BMI#: MD1341  
Standard Joist/Canam Steel Corp.  
Location: 1040 Clay Street, Point  
of Rocks

BMI#: MD1541  
Stup's Garage  
Location: 8052 Ball Road,  
Frederick

BMI#: MD0943  
Thurmont Town Wells 7 & 8  
Location: Apples Church Road  
and Roddy Road/Apples Church  
Road and Carroll Road, Thurmont

BMI#: MD1569  
Town Center Plaza  
Location: 805-815 East Main  
Street, Middletown

#### **GARRETT COUNTY**

BMI#: MD0255  
Oakland Junkyard Site  
Site alias: Martin's Junk Yard  
Location: Route 219, Oakland

BMI#: MD0271  
Texas Eastern - Accident Station  
Location: Accident-Friendsville  
Road, Accident

#### **HARFORD COUNTY**

BMI#: MD1589  
627 Water Street  
Location: 627 Water Street,  
Havre de Grace

BMI#: MD0741  
649 Water Street - Lot 2  
Site alias: Lawson Distributing  
Company; Gilbert Enterprises  
Location: 649 Water Street,  
Havre De Grace

BMI#: MD0742

649 Water Street - Lots 1 & 3  
Site alias: Lawson Distributing  
Company; Gilbert Enterprises  
Location: 649 Water Street,  
Havre De Grace

BMI#: MD0949  
660 Revolution Street  
Location: 660 Revolution Street,  
Havre De Grace

BMI#: MD0579  
Aberdeen Cleaners  
Site alias: Aberdeen Cleaners  
and Dry Cleaners  
Location: 19 West Bel Air  
Avenue, Aberdeen

BMI#: MD0001  
Aberdeen Dump  
Location: 361 Michael Lane,  
Aberdeen

BMI#: MD0032  
Aberdeen Proving Grounds -  
Edgewood Area  
Location: Off Route 40, Aberdeen

BMI#: MD0065  
Aberdeen Proving Grounds -  
Michaelsville Area  
Location: Off Route 40, Aberdeen

BMI#: MD0301  
Abingdon Landfill  
Location: Old Philadelphia Road  
(Route 7), Abingdon

BMI#: MD1410  
Ames Shopping Plaza  
Site alias: Master Cleaners,  
Swan Creek Village Center,  
Villages at Swann Creek  
Location: 2015-2113 Pulaski  
Highway, Havre De Grace

BMI#: MD0460  
Braxton Property Landfill  
Location: Bush Road and Old  
Philadelphia Road, Abingdon

BMI#: MD0002  
Bush Valley Landfill  
Location: Bush Road, Abingdon

BMI#: MD1255  
Cleaning Solutions Group Site  
Site alias: Cello Property, Cello  
Corp.  
Location: 1354 Old Post Road,  
Havre De Grace

BMI#: MD0612  
Clear Creek Glen Site  
Site alias: Thompson Farm  
Location: Oldfield Point Road,  
Elkton

BMI#: MD0821  
Forita Property  
Location: 200 South Post Road,  
Aberdeen

BMI#: MD0905  
Former New Pioneer Cleaners

Site alias: Hickory Hills Surface  
Water Contamination  
Location: 421 North Main Street,  
Bel Air

BMI#: MD0839  
Former Weber Farm  
Site alias: Bulle Rock; The  
Paddocks at Bulle Rock; Cigar  
Lp; Native Dancer Cr; Man O War  
P; Affirmed Dr; Flying Ebony P  
Location: Chapel Road; Bulle  
Rock Pkwy; Ferdinand Dr;  
Temperence Hill Wy; Master  
Derby Dr; Smarty Jones Ter; War  
Admiral Wy, Havre de Grace

BMI#: MD1188  
Gilbert Property - 4 Parcels  
Site alias: Gilbert Tank Farm;  
Part of 649 Water Street - Lots 1  
& 3 (VCP)  
Location: 649 Water Street,  
Havre De Grace

BMI#: MD1338  
Glenn Heights  
Location: Glenn Heights  
Subdivision off Route 40, Havre  
De Grace

BMI#: MD1339  
Gunpowder Farm  
Location: Cul de sac at the end of  
Gunpowder Farms Road, Fallston

BMI#: MD0037  
Havre de Grace Dump  
Location: End of Arundel Lane,  
Havre de Grace

BMI#: MD1120  
Havre de Grace Fireworks  
Site alias: Fabrizio Property  
Location: North of Chapel Road,  
Havre de Grace

BMI#: MD0162  
Havre de Grace Plant  
Location: 200 block of Juniata  
Street, Havre de Grace

BMI#: MD0462  
Johnson Property  
Location: Sewell Road and Bush  
Road, Abingdon

BMI#: MD1157  
Joppa Sand and Gravel  
Location: West of Townewood  
Drive, Joppa

BMI#: MD0609  
Kroh's Cleaners  
Location: 15 East Pennsylvania  
Avenue, Bel Air

BMI#: MD0363  
Long's Septic Service  
Location: 4019-4027-4029 Gravel  
Hill Road, Havre De Grace

BMI#: MD0123  
Miller Chemical & Fertilizer Corp.

Location: Route 136 and Route  
135, Whiteford

BMI#: MD0569  
Monumental Fireworks  
Site alias: Possibly Havre de  
Grace Fireworks/Commercial  
Novelty Inc.  
Location: Off Post Road, Havre  
de Grace

BMI#: MD0038  
Mullins Landfill  
Location: End of Mullins Road,  
Havre De Grace

BMI#: MD1189  
Penns Marina  
Location: 411 Concord Street,  
Havre De Grace

BMI#: MD1329  
Perdue Apartments/Norrisville  
Road  
Site alias: Theresa Perdue  
Property  
Location: 4351 Norrisville Road,  
White Hall

BMI#: MD1182  
Post Road Cleaners  
Site alias: Related to MD-162  
Location: 1100 Revolution Street,  
Havre De Grace

BMI#: MD0879  
Proposed Chick-fil-A Restaurant  
#2928  
Location: 1001 Beards Hill Road,  
Aberdeen

BMI#: MD1190  
Riegel Scrap Property  
Location: 514-516 Young Street,  
Havre De Grace

BMI#: MD0236  
Scarboro Landfill  
Site alias: Located on Harford  
Waste Disposal Center  
Location: Scarboro Road, Street

BMI#: MD0446  
Union Road Dump  
Location: 1515 Union Road,  
Aberdeen

BMI#: MD1362  
Washington Court  
Location: Cedar Drive,  
Edgewood

#### **HOWARD COUNTY**

BMI#: MD1574  
Belmont Manor and Historic Park  
Site alias: Belmont Manor  
Location: 6555 Belmont Woods  
Road, Elkridge

BMI#: MD1012  
Calvert Ridge  
Location: 7035, 7043, 7047  
Calvert Drive, Elkridge

BMI#: MD1057  
Carrs Mill Landfill  
Location: Carrs Mill Road and  
Bushy Park Road, Lisbon

BMI#: MD0305  
Cemetery Lane  
Site alias: Includes Cemetery  
Lane West (VCP)  
Location: South of intersection of  
Mayfield Road and Meadowridge  
Road, Elkridge

BMI#: MD1013  
Daedalean Inc.  
Location: 15110 Frederick Road,  
Woodbine

BMI#: MD0591  
Daniels Quarry  
Location: South of Daniels Road,  
near the top of a north-facing  
slope approximately ½ mile south  
of Daniels, within the Patapsco  
State Pa, Ellicott City

BMI#: MD0886  
Daniels Road Drum Dump  
Location: 2090 Daniels Road,  
Ellicott City

BMI#: MD1355  
Enchanted Forest Shopping  
Center  
Location: 10000-10060 Baltimore  
National Pike, Ellicott City

BMI#: MD1552  
Grandfather's Garden Center  
Site alias: Grandfather's  
Nursery, Grandfather's Gardens  
Location: 5320 Phelps Luck  
Drive, Columbia

BMI#: MD0890  
Grovemont Overlook  
Location: Landing Road; Cole  
Peyton Ln; Forest Kelly Cr;,  
Wecker Wy, Elkridge

BMI#: MD1223  
Harless Property  
Location: Route 144, one mile  
east of Route 32, West Friendship

BMI#: MD0241  
Long Life Treated Wood Inc.  
Location: Dorsey Raceway Road,  
Dorsey

BMI#: MD1614  
Long Reach Village Center  
Location: 8775 Cloudleap Court,  
Columbia

BMI#: MD1440  
Lotte Plaza  
Location: 8801-8815 Baltimore  
National Pike, Ellicott City

BMI#: MD1251  
Market Place Cafe  
Location: 12216 Clarksville Pike  
(Route 108), Clarksville

BMI#: MD1014  
Merritt  
Location: 9525 Berger Road,  
Columbia

BMI#: MD1015  
Rendering Plant  
Location: Route 100 (800 feet  
southwest of MD Route 103),  
Columbia

BMI#: MD1544  
Ten Oaks Plaza  
Location: 3900 Ten Oaks Road,  
Glenelg

BMI#: MD1016  
Vista Road  
Location: 10613 Vista Road,  
Columbia

BMI#: MD1056  
Worthington Elementary School  
Location: 4570 Roundhill Road,  
Ellicott City

BMI#: MD0117  
WR Grace Washington Research  
Center  
Location: 7379 Route 32,  
Columbia

#### KENT COUNTY

BMI#: MD0198  
Chestertown Gas Co.  
Location: 813 West High Street,  
Chestertown

BMI#: MD0029  
Chestertown Municipal Dump  
Location: South of Cromwell  
Clark Road, Chestertown

BMI#: MD0535  
KDI Quarry  
Site alias: Kent Defense  
Industries Pit  
Location: Stockton Startt Road,  
Chestertown

BMI#: MD0532  
Kent Defense Industries  
Ordnance Plant  
Site alias: KDI, Chestertown  
Ordnance Plt, Kent Defense Ind.  
Location: 800 High Street,  
Chestertown

BMI#: MD0138  
Laurence J. Nicholson Landfill  
Site alias: Nicholson Landfill  
Location: Earl Nicholson Road,  
Chestertown

BMI#: MD0524  
Radcliffe Drive Dump (OU-3)  
Location: Radcliffe Drive,  
Chestertown

BMI#: MD0028  
Tenneco Inc. - Chestertown Plant  
Location: Route 297,  
Chestertown

BMI#: MD0221  
Tolchester - Control  
Site alias: C03MD0237  
Location: Tolchester Beach Road  
(Route 21), Tolchester

BMI#: MD0220  
Tolchester - Launch  
Site alias: C03MD0237  
Location: Rock Hall Tolchester  
Road (Route 445), Tolchester

#### MONTGOMERY COUNTY

BMI#: MD0999  
1200 and 1212 East West  
Highway  
Site alias: Silver Spring Auto City;  
Werners Exxon; All Tune & Lube  
Location: 1200 and 1212 East  
West Highway, Silver Spring

BMI#: MD0803  
13501 Layhill Road  
Site alias: Indian Springs Golf  
Course and Resort; Poplar Run  
Property  
Location: 13501 Layhill Road,  
Silver Spring

BMI#: MD0827  
1900 Chapman  
Site alias: Syms Corporation;  
Fawcett Printing Corporation;  
Former Haynes Lithograph Co.;  
Holladay Tyler Printing; Holladay  
Property  
Location: 1900 Chapman  
Avenue, Rockville

BMI#: MD1568  
1900 Chapman - Lot 14-B  
Location: 1900 Chapman  
Avenue, Rockville

BMI#: MD0782  
7300-7308 Carroll Avenue  
Location: 7300-7308 Carroll  
Avenue, Takoma Park

BMI#: MD1594  
8240 Georgia Avenue  
Site alias: Dale Music  
Location: 8240 Georgia Avenue,  
Silver Spring

BMI#: MD0068  
Adelphi Laboratory Center  
Site alias: Harry Diamond  
Laboratories  
Location: 2800 Powdermill  
Road, Adelphi

BMI#: MD1554  
Bainbridge Bethesda Metro Site  
Location: 7340 Wisconsin  
Avenue, Bethesda

BMI#: MD1551  
Bethesda Commerce  
Site alias: United Bank Site  
Location: 7535 Old Georgetown  
Road, Bethesda

BMI#: MD1587

Brightview Rockville Town Center  
Site alias: Giant Grocery Store  
#105  
Location: 285 North Washington  
Street, Rockville

BMI#: MD1496  
Chestnut Lodge  
Location: 500 W. Montgomery  
Avenue, Rockville

BMI#: MD1017  
City of Rockville Water Tower  
Site alias: Talbott Street Water  
Tower  
Location: 200 Talbott Street,  
Rockville

BMI#: MD0522  
Conduit Road Test Site  
Site alias: C03MD0345  
Location: Near Clara Barton  
Parkway, Bethesda

BMI#: MD0409  
David Taylor Research Center  
Location: Clara Barton Parkway,  
Bethesda

BMI#: MD0937  
Defense Mapping Agency  
Site alias: Topographic Center  
Location: Sangamore Road,  
Bethesda

BMI#: MD1018  
Embassy Plaza  
Location: 7272 Wisconsin  
Avenue, Bethesda

BMI#: MD1556  
Falkland Road Residential, L.L.C.  
Site alias: Falkland Chase  
Apartments - North Parcel  
Location: 1545 North Falkland  
Lane, Silver Spring

BMI#: MD0849  
Fenwick Station  
Site alias: United States Post  
Office  
Location: 8616 2nd Avenue,  
Silver Spring

BMI#: MD0783  
Former WSSC Compro Facility  
Location: 2201 Industrial  
Parkway, Silver Spring

BMI#: MD0224  
Gaithersburg - Control  
Location: 8510 Snouffers School  
Road, Gaithersburg

BMI#: MD0222  
Gaithersburg -  
Launch/Gaithersburg Research  
Facility  
Site alias: Gaithersburg - Launch;  
Includes Reserve Business  
Center (VCP) Property  
Location: Off Snouffers School  
Road, Gaithersburg

BMI#: MD0838

Gaithersburg Y Site  
Site alias: Wye Site; CSX  
Property; William M. Wetmore,  
Inc., Electrical Contractors;  
Lashof Violins; Tony & Son Air  
Conditioning & Heating  
Location: 200 Olde Towne  
Avenue, Gaithersburg

BMI#: MD1509  
Galaxie Cleaners/White Flint  
Cleaners  
Location: Parklawn Drive,  
Rockville

BMI#: MD0822  
Georgetown Square Shopping  
Center  
Location: 10400 Old Georgetown  
Road, Bethesda

BMI#: MD1019  
Harrison Island Drum Site  
Location: Approximately 0.5 mile  
downstream from White's Ferry,  
Poolesville

BMI#: MD0306  
Kenneth Shumaker Dump  
Location: 21723 Peach Tree  
Road, Barnesville

BMI#: MD0226  
Laytonsville - Control Nike W93  
Site alias: Olney Nike Site; Nike  
W-93 Olney (C03MD0247)  
Location: Zion Road, Olney

BMI#: MD0982  
M.J. Cleaners Wholesale/Party  
Cloths, Inc.  
Location: 2447 Linden Lane/2426  
Linden Lane, Silver Spring

BMI#: MD1555  
Mallory Square Phase 2  
Location: Key West Avenue,  
Rockville

BMI#: MD0947  
Montgomery Concrete Site  
Location: 15130 Southlawn Lane,  
Rockville

BMI#: MD1553  
Montgomery Village Golf Course  
Location: 19550 Montgomery  
Village Avenue, Gaithersburg

BMI#: MD0775  
Montrose Crossing Center  
Location: 12015-12099 Rockville  
Pike, Rockville

BMI#: MD0813  
National Park Seminary (North of  
Linden Lane)  
Site alias: National Park Girls  
College property, VCP site is a  
subset of this site  
Location: North of Linden Lane,  
Silver Spring

BMI#: MD0335  
Naval Medical Command

Location: 8901 Wisconsin  
Avenue, Bethesda

BMI#: MD0061  
Naval Surface Warfare Center -  
White Oak  
Site alias: USN Naval Surface  
Warfare Center White Oak  
Location: 10901 New Hampshire  
Avenue, Silver Spring

BMI#: MD1344  
Neutron Products  
Location: 22301 Mt. Ephraim  
Road, Dickerson

BMI#: MD1159  
One Cherry Choke Road  
Site alias: Kodak Parcel 9B,  
Kodak Processing Plant  
Location: 1 Cherry Choke Road,  
Rockville

BMI#: MD1239  
Park Potomac  
Site alias: Fortune Park, Wheel of  
Fortune  
Location: 12500 Park Potomac  
Avenue, Potomac

BMI#: MD1101  
Park Potomac Property -  
Condominium  
Site alias: Parcels I, J, K  
Location: 12500 Park Potomac  
Avenue, Rockville

BMI#: MD0829  
Parking Lots 31 and 31-A  
Site alias: The Darcy, The Flats  
Location: Intersection of  
Bethesda Avenue and Woodmont  
Avenue, Bethesda

BMI#: MD0731  
Poplar Mill Subdivision  
Location: Poplar Avenue and  
New Hampshire Avenue, Takoma  
Park

BMI#: MD1426  
Randolph Hills Shopping Center  
Location: 4816-4890 Boiling  
Brook Parkway and 11608-11634  
Boiling Brook Road, Rockville

BMI#: MD1351  
Ripley Street Development  
Site alias: Ken's Auto Body  
Location: 1031, 1049, 1053  
Ripley Street, Silver Spring

BMI#: MD0227  
Rockville - Control  
Site alias: U.S. Consumer  
Product Safety Commission  
(C03MD0248)  
Location: 10901 Darnestown  
Road, Gaithersburg

BMI#: MD0226  
Rockville Launch/Gaithersburg  
Research Facility  
Site alias: Rockville - Launch  
(C03MD0248), W-92

Location: 770 Muddy Branch  
Road, Gaithersburg

BMI#: MD0978  
Rockville Town Center Surface  
Parking Lot  
Location: 196 & 199 East  
Montgomery Avenue, Rockville

BMI#: MD0344  
Safety Kleen Corp. - Silver Spring  
Location: 12164 Tech Road,  
Silver Spring

BMI#: MD0865  
Safeway Gasoline Station #2794  
Site alias: Damascus Citgo  
Service Station; Citgo Gas Station  
Location: 26300 Ridge Road,  
Damascus

BMI#: MD1086  
Sears & Roebuck Company  
Warehouse  
Location: 16401 Shady Grove  
Road, Rockville

BMI#: MD1158  
Silver Spring Mega Mall  
Location: Southeast corner of  
Georgia Avenue and Colesville  
Road, Silver Spring

BMI#: MD1570  
Springhouse by Manor Care,  
Westbard Citgo I, Westbard Citgo  
II  
Location: 5101 Ridgefield Road,  
5471 Westbard Avenue, 5335  
Westbard Avenue, Bethesda

BMI#: MD1330  
Takoma Langley Crossroads  
Shopping Center  
Site alias: Langley Park SC;  
1301, 1305-1327, 1329-1335  
University Blvd.; 1327-1337  
Holton Lane; 7601-7609, 7633-  
7659, 7551-7553, 7663-7677  
Location: 1329-1335 University  
Boulevard, 7601-7609, 7633-  
7659, 7551-7553, 7663-7677 New  
Hampshire Avenue, Holton Lane,  
Takoma Park

BMI#: MD1563  
The Gymnasium @ National Park  
Seminary  
Site alias: National Park  
Seminary; College at Forest Geln  
Location: 2747 Linden Lane,  
Silver Spring

BMI#: MD0860  
Travilah Grove  
Site alias: Rickman Property;  
Travilah Trading Company,  
Travilah Recovery Industries, Inc.  
Location: 14211-14219 Travilah  
Road, Rockville

BMI#: MD0432  
Walter Reed Army Medical Center  
Site alias: Forest Glen Annex

Location: 2961 Linden Lane,  
Rockville

BMI#: MD0404  
Walter Reed Army Medical Center  
- Forest Glen Annex  
Location: Route 193, Wheaton

BMI#: MD0885  
Weller's Cleaners Property  
Location: 8237 Fenton Street,  
Silver Spring

BMI#: MD0765  
West Farm, Parcel A (IFI Case)  
Site alias: IFI Case  
Location: Tech Road and  
Broadbirch Drive, Silver Spring

BMI#: MD1611  
Westech Village Corner  
Site alias: International Fabricare  
Institute (IFI); 12251 Tech Road  
Location: 12251-12293 Tech  
Road, Silver Spring

BMI#: MD1575  
Westwood Shopping Center II  
Site alias: 5110 Ridgefield Road  
Location: 5110 Ridgefield Road,  
Bethesda

BMI#: MD1562  
Westwood Towers and Strike  
Bethesda  
Location: 5401 Westbard Avenue  
and 5353 Westbard Avenue,  
Bethesda

BMI#: MD1408  
White Flint Crossing  
Site alias: Park Inn International,  
Colonial Manor Inn  
Location: 11410 Rockville Pike,  
Rockville

BMI#: MD1550  
Woodmoor Getty/Shell Station  
Location: 10144 Colesville Road,  
Silver Spring

BMI#: MD0763  
WSSC Laboratory  
Site alias: IFI Case  
Location: Tech Road, Silver  
Spring

**PRINCE GEORGE'S COUNTY**

BMI#: MD1459  
12307 Conway Road  
Site alias: Fred Maier Block  
Company; United Concrete  
Products  
Location: 12307 Conway Road,  
Beltsville

BMI#: MD0967  
1600 - 1602 University Boulevard  
Location: 1600 - 1602 University  
Boulevard, Langley Park

BMI#: MD0359  
Aggregate Industries

|  |  |  |  |
|--|--|--|--|
| Location: Foxley Road, Upper Marlboro  | Location: Powder Mill Road and Beltsville Drive, Beltsville  | GSA Bladensburg<br>Location: 4125 46th Street, Bladensburg   | BMI#: MD0736<br>Naval Air Test Center<br>Site alias: Naval Air Warfare Center, Aircraft Division<br>Location: Cherry Tree Crossing and Brandywine Road, Brandywine                                   |
| BMI#: MD0024<br>Anacostia River Park<br>Location: South of Bladensburg Road, Colmar Manor  | BMI#: MD1231<br>Chestnut Hill Shopping Center<br>Location: 10452 Baltimore Boulevard, Beltsville   | BMI#: MD1191<br>Hampton Business Park<br>Location: Between Central Avenue and Ashwood Drive, Landover                          | BMI#: MD0323<br>Naval Communication Unit - USN<br>Site alias: U.S. Naval Communication Unit<br>Location: Dangerfield and Commo Road, Cheltenham  |
| BMI#: MD0088<br>Andrews Air Force Base<br>Site alias: USAF Andrews Air Force Base<br>Location: Allentown Road; Perimeter Road, Camp Springs  | BMI#: MD0902<br>Clevenger Corporation Property<br>Location: 10718 Tucker Street, Beltsville  | BMI#: MD0485<br>Joseph Smith & Sons, Inc<br>Location: 2001 Kenilworth Avenue, Beaver Heights                                   | BMI#: MD0495<br>Nazcon Concrete<br>Site alias: Nazcon, Inc.<br>Location: 3408 52nd Avenue, Beltsville  |
| BMI#: MD0790<br>Anti Aircraft Artillery Site/Census Bureau<br>Site alias: Suitland Federal Center (C03MD0336)<br>Location: Silver Hill Road, Suitland  | BMI#: MD0231<br>Croom - Control<br>Site alias: C03MD0239<br>Location: 15100 Mount Calvert Road, Upper Marlboro   | BMI#: MD0986<br>Laundry Tub/Forest Laundromat<br>Location: 5247 Marlboro Pike, Capitol Heights                                 | BMI#: MD0355<br>Nelson Perrie Dump<br>Location: 15200 Nelson Perrie Road, Brandywine   |
| BMI#: MD1603<br>Avalon Laurel<br>Site alias: Anderson's Corner; Avalon Konterra North, Konterra Overlook<br>Location: 6901 Van Dusen Road, Laurel  | BMI#: MD0228<br>Croom/Brandywine - Launch<br>Site alias: Croom/Brandywine W-36; Brandywine - Launch (C03MD0238)<br>Location: Candy Hill Road, Upper Marlboro | BMI#: MD0183<br>Laurel City Landfill<br>Location: Route 198 Ft. Meade Road, Laurel   | BMI#: MD1527<br>One Price Cleaners (ZIPS)<br>Site alias: Part of Marlow Square Shopping Center (VCP)<br>Location: 4333 St. Barnabas Road, Marlow Heights   |
| BMI#: MD0053<br>Beltsville Agricultural Research Center<br>Site alias: U.S. Agricultural Center Beltsville (2 Tenants)<br>Location: Buildings 1321 and 204, Beltsville                           | BMI#: MD0124<br>Denese Mann Property<br>Site alias: National Fence Mfg Co. Inc.; Merchant Metals<br>Location: 4301 46th Street, Bladensburg                  | BMI#: MD1367<br>Laurel Shopping Center<br>Location: 356 Domer Avenue (at Route 1 South), Laurel                                | BMI#: MD0852<br>Osborne Shopping Center Parcel E<br>Location: 7605 SW Crain Highway, Upper Marlboro  |
| BMI#: MD0994<br>Bowie Market Place<br>Site alias: Belair Shopping Center Subdivision, So's Cleaners, Superior Lane Shopping Center, Stanton Cleaners<br>Location: 3206-3273 Superior Lane, Bowie | BMI#: MD1313<br>Ellis Property<br>Location: 11901 Brandywine Road, Clinton   | BMI#: MD1567<br>Laurel Town Center<br>Location: 13344 Laurel Bowie Road, Laurel  | BMI#: MD0470<br>Paint Branch Landfill Area #3<br>Site alias: University of Maryland Landfill<br>Location: Paint Branch Parkway and B&O Railroad (Univ of Maryland College Park Campus), College Park |
| BMI#: MD1491<br>BP Station - Temple Hills<br>Location: 7101 Allentown Road, Temple Hills   | BMI#: MD1434<br>FERST, Inc. Brandywine<br>Site alias: F & E Resource Systems Technology, Inc.<br>Location: Gibbons Church Road, Brandywine                   | BMI#: MD0976<br>Marlow Square Shopping Center<br>Location: 4305 Saint Barnabas Road, Temple Hills                              | BMI#: MD0267<br>Patuxent Wildlife Research Center<br>Location: Route 197 and Powdermill Road, Laurel   |
| BMI#: MD0229<br>Brandywine - Control<br>Site alias: Brandywine Nike Missile Battery (C03MD0238)<br>Location: 13400 Edgemoade Road, Upper Marlboro  | BMI#: MD1160<br>Fort Foote Center Dry Cleaners<br>Site alias: Vegas Custom Cleaners<br>Location: 9201-9231 Oxon Hill Road, Oxon Hill                         | BMI#: MD0946<br>Melwood Park Site<br>Location: Melwood Park Road, Upper Marlboro   | BMI#: MD0617<br>Peeler's Dry Cleaners<br>Site alias: Mercury Cleaners<br>Location: 6227 Baltimore Avenue, Riverdale  |
| BMI#: MD1461<br>Brandywine - Launch<br>Location: Candy Hill Road, Brandywine   | BMI#: MD0750<br>Free State Shopping Center<br>Site alias: Free State Mall; Former Diplomat Cleaners (15670)<br>Location: 15460-15700 Annapolis Road, Bowie   | BMI#: MD0419<br>Mid-Atlantic Finishing Inc<br>Location: 4656 Addison Road, Capitol Heights                                     | BMI#: MD1244<br>Q&S Cleaners<br>Location: 7318 Baltimore Boulevard, College Park   |
| BMI#: MD0413<br>Brandywine DRMO Salvage Yard<br>Site alias: Brandywine Defense Reutilization and Marketing Office<br>Location: Route 381 Brandywine Road, Andrews                                | BMI#: MD0427<br>Glendale Plant Germplasm Quarantine Facility<br>Location: 11601 Old Pond Drive, Glenn Dale   | BMI#: MD0278<br>Mineral Pigments Corp. - Beltsville<br>Location: 7011 Muirkirk Road, Beltsville                                | BMI#: MD1585<br>SCUDERI Property<br>Site alias: Adjacent to Mr G's<br>Location: 4235 28th Avenue, Temple Hills   |
| BMI#: MD0863<br>Calverton Shopping Center  | BMI#: MD1581<br>Griffith Energy Services, Inc.<br>Site alias: Griffith Consumers Company<br>Location: 2510 Schuster Drive, Hyattsville                       | BMI#: MD0368<br>NASA Goddard Space Flight Center<br>Location: Main Gate off Greenbelt Road, Greenbelt                          | BMI#: MD1599<br>Shoppes at Metro Station<br>Site alias: Metro Cleaners   |
|  | BMI#: MD0054   | BMI#: MD1471<br>National Fence Mfg Co Inc<br>Site alias: Denese Mann Property (VCP)<br>Location: 4301 46th Street, Bladensburg |  |

Location: 6211 Belcrest Road,  
Hyattsville

BMI#: MD0997  
Southgate Business Park  
Property  
Location: 9800 Martin Luther  
King Highway, Lanham

BMI#: MD1045  
Summerfield Extended Stay Hotel  
Location: Inglewood Business  
Park, Landover

BMI#: MD1582  
Sunrise Shopping Center  
Location: 5450-5500 St.  
Barnabas Road, Oxon Hill

BMI#: MD0759  
Takoma Park Shopping Center  
(off-site plume)  
Location: Adjacent to 6809-6881  
New Hampshire Avenue, Takoma  
Park

BMI#: MD1041  
Takoma Park Shopping Center  
Condominium - Land Unit 2  
Location: 6809-6881 New  
Hampshire Avenue, Takoma Park

BMI#: MD1236  
The Brick Yard  
Site alias: Washington Brick Co,  
Borden Brick and Tile Co,  
Maryland Brick, Maryland Clay  
Products, General Shale Brick,  
Creative Landscapin  
Location: 7100 Muirkirk Road,  
Beltsville

BMI#: MD1545  
The Cherokee Sanford Property  
(7100 Muirkirk Road)  
Site alias: The Brick Yard (VCP)  
Location: 7100 Muirkirk Road,  
Beltsville

BMI#: MD1427  
Transport International Pool, Inc.  
dba GE Capital/Trailer Fleet  
Services  
Location: 6111 Sheriff Road,  
Capitol Heights

BMI#: MD0904  
UniFirst Corporation Facility  
Location: 6201 Sheriff Road,  
Hyattsville

BMI#: MD0248  
United Rigging and Hauling  
Location: 6701 Ammendale  
Road, Beltsville

BMI#: MD0494  
University Housing Site  
Location: 8000 Boteler Lane,  
College Park

BMI#: MD0950  
Vermiculite WRG1  
Location: Zonolite Co/WR Grace,  
Beltsville

BMI#: MD0338  
W.P. Ballard/Beltsville Industrial  
Center  
Site alias: W.P. Ballard Site; W.P.  
Ballard & Company of  
Washington Property  
Location: 10722 Tucker Street,  
Beltsville

BMI#: MD0232  
Waldorf Nike W-44 Launch  
Site alias: C03MD0241  
Location: Country Lane,  
Mattawoman

BMI#: MD1549  
White Oak Petroleum Facility  
#24640  
Location: 7631 Marlboro Pike,  
District Heights

BMI#: MD1099  
Wildercroft Shopping Center  
Location: 6808-6820 Riverdale  
Road, Riverdale

BMI#: MD0764  
Wildercroft Shopping Center (Off-  
Site Plume)  
Location: 6808-6820 Riverdale  
Road, Riverdale

BMI#: MD0998  
Wilson Farm  
Site alias: Redskins Stadium;  
Jack Kent Cooke Stadium  
Location: South of Sheriff Road  
across from Palmer Park,  
Landover

BMI#: MD0489  
Zeal Scrap Tire Site  
Location: 6205 Dowerhouse  
Road, Upper Marlboro

#### QUEEN ANNE'S COUNTY

BMI#: MD1161  
Banjo Lane  
Location: 204 and 206 Banjo  
Lane, Centreville

BMI#: MD1352  
Former Wye Mills Substation  
Location: U.S. Route 50, north of  
Route 404, Wye Mills

BMI#: MD1253  
Grasonville Food Mart  
Location: 101 Drummer Drive,  
Grasonville

BMI#: MD1267  
Queen Anne's County Drum Site  
Location: 312 Safety Drive,  
Centreville

#### SOMERSET COUNTY

BMI#: MD0791  
11731 Somerset Avenue  
Site alias: Cato Oil, Texaco  
Location: 11731 Somerset  
Avenue, Princess Anne

BMI#: MD1109  
Carvel Hall  
Location: 4251 Crisfield Highway,  
Crisfield

BMI#: MD1233  
Chesapeake Forest Products Co.  
Location: 33677 Costen Road,  
Pocomoke City

BMI#: MD0453  
Chesapeake Wood Treating  
Site alias: Chesapeake Plywood  
Location: Off Punccheon Landing  
Road, Pocomoke City

BMI#: MD0111  
Crisfield City Dump  
Location: Water Street, Crisfield

BMI#: MD0193  
Crisfield Light and Power Co.  
Location: Route 413, Crisfield

BMI#: MD0831  
Former Linens of the Week  
Location: 407 Anne Street,  
Salisbury

BMI#: MD1306  
H&H Derby  
Site alias: Brown Derby  
Location: 30197 Deal Island  
Road, Princess Anne

BMI#: MD0129  
Ring Landfill  
Site alias: Westover Landfill;  
Fairmont LF; Westover-Ring LF  
Location: Millard Road, Westover

BMI#: MD0914  
Shellfish Seafood, Ltd.  
Location: 30660 Hampden  
Avenue, Princess Anne

BMI#: MD0130  
Westover Landfill  
Site alias: Somerset Landfill  
Location: Arden Station Road,  
Westover

#### ST. MARY'S COUNTY

BMI#: MD0754  
Former Thiokol Chemical (PB II,  
LLC)  
Site alias: Part of Thiokol -  
Mechanicsville (MD-101)  
Location: Southeast side of  
Friendship School Road and west  
of Route 235, Mechanicsville

BMI#: MD0364  
Genstar Stone Products  
Site alias: Bardon Hollywood  
(VCP)  
Location: Route 235, Hollywood

BMI#: MD0589  
Leonardtown Cleaners  
Location: 41650 Fenwick Street,  
Leonardtown

BMI#: MD1058  
Leonardtown SHA  
Location: South of intersection of  
Route 5 and Route 243,  
Leonardtown

BMI#: MD1147  
Leonardtown Wharf  
Location: South end of  
Washington Street, Leonardtown

BMI#: MD0792  
Lexington Park Site  
Location: Great Mills Road,  
South Coral Drive, Tulagi Place  
and Three Notch Road, Lexington  
Park

BMI#: MD0057  
Patuxent River Naval Air Station  
Location: On Cedar Point at  
confluence of Patuxent River and  
Chesapeake Bay; Butt Rifle Rand  
Landill, Lexington Park

BMI#: MD1391  
St. Inigoes (NICE East) / Val  
Electronics Sys Eng Act - USN  
Site alias: NAS Patuxent River  
Webster Field Annex  
Location: Beachville Road, St  
Inigoes

BMI#: MD0101  
Thiokol - Mechanicsville  
Site alias: Includes Former  
Thiokol Chemical (PB II,  
LLC)(VCP)  
Location: Friendship Road and  
Route 235, Mechanicsville

BMI#: MD0640  
U.S. Navy Torpedo Test Range  
(NTRR)  
Site alias: Part of Harry  
Lundeberg School and the Paul  
Hall Center  
Location: 17270 Piney Point  
Road, Piney Point

BMI#: MD0324  
USN Naval Electronics Sys Eng  
Act  
Location: Villa Road off Route 5,  
St. Inigoes

#### TALBOT COUNTY

BMI#: MD1059  
Cadmus Journal  
Services/Waverly Press  
Site alias: Cadmus  
Communications Corporation  
Location: 500 Cadmus Journal  
Lane, Easton

BMI#: MD1192  
Cordova Elementary School  
Location: Church Street (Route  
309) and Skipton Cordova Road,  
Cordova

BMI#: MD0415  
Doc National Marine Fisheries  
Serv.

Location: South Morris Street  
Ext, Oxford

BMI#: MD1506  
Former Easton Municipal Public  
Works  
Location: 672 West Glenwood  
Avenue, Easton

BMI#: MD1592  
Former McCord Laundry  
Location: 114 South Washington,  
Easton

BMI#: MD1337  
Fuller Motor Sales  
Site alias: David Wheeler Auto  
Park  
Location: 6546 Ocean Gateway  
(Route 50), Easton

BMI#: MD0597  
Louis Charlie/Merrimac Cleaners  
Location: 106 - 108 North  
Washington Street, Easton

BMI#: MD1249  
SHA (Eastern Regional Lab)  
Location: 7857 Ocean Gateway,  
Route 50, Easton

BMI#: MD1193  
Tidewater Tractor  
Location: Route 50, south of  
Route 404, Wye Mills

#### WASHINGTON COUNTY

BMI#: MD0302  
Central Chemical - Hagerstown  
(Site)  
Location: 705 Mitchell Avenue,  
Hagerstown

BMI#: MD1061  
CSX Roundhouse Property  
Location: 300 South Burhans  
Boulevard (Route 11),  
Hagerstown

BMI#: MD0056  
Fairchild Republic Co. Plant 11  
Site alias: Main Plant Complex,  
Air Force Plant #11  
(C03MD0376); Fairchild  
Industries; Fairchild Republic  
Location: 18434 Showalter Road,  
Hagerstown

BMI#: MD1062

Former Municipal Electric Light  
Plant  
Location: Intersection of Mt.  
Aetna Road and South Eastern  
Boulevard, Hagerstown

BMI#: MD0482  
Fort Ritchie - U.S. Army  
Location: Fort Ritchie Road,  
Cascade

BMI#: MD0350  
Genuine Parts Co - Raylock DIV  
Location: 100 Raylock Drive,  
Hancock

BMI#: MD1021  
Greenbriar State Park  
Location: Old Boonsboro  
Mountain Road, Boonsboro

BMI#: MD1094  
Hagers Shoe (Cannon Shoe  
Factory)  
Location: 148 West Franklin  
Street, Hagerstown

BMI#: MD0341  
Hagerstown - Broadfording Road  
Location: Cearfoss and  
Broadfording Roads, Hagerstown

BMI#: MD0194  
Hagerstown American Light and  
Heat Co.  
Site alias: MD-194; MD-247  
Location: Sycamore Street and  
Smith Street, Hagerstown

BMI#: MD0246  
Hagerstown Light and Heat -  
Locust St.  
Location: South Locust Street,  
Hagerstown

BMI#: MD0247  
Hagerstown Light and Heat -  
Washington Street  
Site alias: See MD-194  
Location: West Washington  
Street, Hagerstown

BMI#: MD1528  
Patrick Street MGP  
Location: 300 E. Patrick Street,  
Frederick

BMI#: MD1088  
University of Maryland -  
Hagerstown Center  
Site alias: Baldwin House

Location: 35-46 West  
Washington Street & 25.5-27  
Franklin Street, Hagerstown

#### WICOMICO COUNTY

BMI#: MD1476  
2214 West Zion Road  
Location: 2214 West Zion Road,  
Salisbury

BMI#: MD0243  
Atlantic Wood Industries  
Location: 28114 Old Eden Road,  
Fruitland

BMI#: MD1229  
Barr International, Inc.  
Location: 2407 North Salisbury  
Boulevard (U.S. Route 13 North),  
Salisbury

BMI#: MD1499  
Dale Enterprises  
Location: 315 Lake Street,  
Salisbury

BMI#: MD0275  
Dresser Industries  
Location: 124 College Avenue,  
Salisbury

BMI#: MD0601  
Elite/Freestate/Star Cleaners  
Site alias: 3 South 1st Street  
Location: 3 South First Street,  
Delmar

BMI#: MD0044  
Koppers Co. - Salisbury  
Location: Quantico Road,  
Salisbury

BMI#: MD1108  
Lester Garage  
Location: 28441 Old Quantico  
Road, Salisbury

BMI#: MD1247  
Plymouth Tube Company  
Location: 2000 Industrial  
Parkway, Salisbury

BMI#: MD0793  
Salisbury City Yard/North Prong  
Site alias: City of Salisbury  
Department of Public Works;  
State Roads Commission; SHA  
Location: 400 2 West Isabella  
Street, Salisbury

BMI#: MD0163  
Salisbury Town Gas  
Location: 520 Commerce Street,  
Salisbury

#### WORCESTER COUNTY

BMI#: MD0186  
Berlin Landfill  
Location: Flower Street and  
Seahawk Road, Berlin

BMI#: MD1137  
Byrd Park  
Location: River Street, Snow Hill

BMI#: MD0875  
Golden Pride  
Location: Northwest of Route 12  
and Stockton Road, Stockton

BMI#: MD0598  
Hoffman/Venable Cleaners  
Location: 206 Williams Street,  
Berlin

BMI#: MD0801  
Judlee Avenue Lift Station  
Location: Judlee Avenue, Ocean  
City

BMI#: MD0794  
Moore Business Forms  
Location: 201 Belt Street, Snow  
Hill

BMI#: MD1602  
Morris Mill Area - Trichloroethylen  
Contamination (TCE)  
Location: 350-acres bounded by  
Morris Mill Pond, South Division  
Stree, Tony Tank Creek,  
Coulbourn Mill Road, Route 13  
and Morris Prong, Salisbury

BMI#: MD1531  
Pocomoke City PCE  
Contamination  
Location: 1323 Market Street,  
Pocomoke

BMI#: MD1055  
Tri-State Oil  
Location: 303-305 East Market  
Street, Snow Hill

BMI#: MD0525  
Whaley Farm  
Site alias: C03MD1024  
Location: 10841 Hayes Landing  
Road, Berlin

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**APPENDIX I**  
**Brownfield Master Inventory List – Archive**  
**Sites**

**ALLEGANY COUNTY**

BMI#: MD0458  
Aetna Lumber  
Location: Route 220 - 7 Miles  
South/Southwest of Cumberland,  
Cumberland

BMI#: MD1259  
Allegany Technology, Inc.  
Site alias: SI Technologies,  
Vishay SI Technologies  
Location: 11400 Pittsburg Plate  
Glass Road (Mexico Farms  
Industrial Park)  
Glass Road (Mexico Farms  
Industrial Park), Cumberland

BMI#: MD0952  
Country Club Mall  
Location: 1262 Vocke Road,  
Lavale

BMI#: MD0195  
Cumberland Gas Light Company  
Location: 200-214 North  
Mechanic Street, Cumberland

BMI#: MD0915  
Former PPG - Works No. 7  
(Pittsburg Plate Glass)  
Site alias: PPG Industries/Mexico  
Farms Industrial Park  
Location: 11601 Pittsburg Plate  
Glass Road, Cumberland

BMI#: MD0328  
Lavale Warehouse Fire  
Site alias: Former Surplus City  
Facility: Boughman Surplus  
Location: 1210 National Highway,  
Lavale

BMI#: MD0339  
Precise Metals and Plastics  
Location: Day Road; within  
Mexico Industrial Park,  
Cumberland

BMI#: MD0457  
Willison Oil Co.  
Location: Baltimore Pike, Route 2  
Box 101, Cresaptown

**ANNE ARUNDEL COUNTY**

BMI#: MD0756  
1919 West Street, Annapolis  
Site alias: Cleaning by Riley  
Location: 1919 West Street, 1923  
West Street, 1925 West Street, 9  
Lee Street, Dorsey Street,  
Annapolis

BMI#: MD1378  
203 Eastern Avenue, Parcel 785  
Location: 203 Eastern Avenue,  
Annapolis

BMI#: MD1481  
7246 Mockingbird Circle  
Location: 7246 Mockingbird  
Circle, Glen Burnie

BMI#: MD1482  
803 Swift Road  
Location: 803 Swift Road,  
Pasadena

BMI#: MD0452  
A. S. Pearmon  
Location: 1270 Hardy Road,  
Arnold

BMI#: MD1262  
Admiral Cleaners Exchange  
Property  
Location: 10 Taylor Avenue,  
Annapolis

BMI#: MD0353  
Alco-Gravure Inc.  
Site alias: Quebecor Printing,  
Inc.; Maxwell Communication  
Location: 7364 Baltimore  
Annapolis Boulevard, Glen Burnie

BMI#: MD1298  
Alliant Techsystems,  
Inc./Windermere Group, LLC  
Location: 2000 Windermere  
Court, Annapolis

BMI#: MD0104  
Ametek Inc. - Special Filaments  
Div.  
Site alias: Ketema Inc; Specialty  
Filaments; Part of IEI (VCP)  
Location: 8335 Telegraph Road,  
Odenton

BMI#: MD0141  
Annapolis Plant  
Site alias: Annapolis Gas & Light  
Company  
Location: Calvert Street and St.  
John Street, Annapolis

BMI#: MD0911  
Annapolis Town Center at  
Parole/Parole Shopping Center  
Site alias: Includes PNC Bank  
Parcel  
Location: Riva Road and Forest  
Drive, Annapolis

BMI#: MD0035  
Anne Arundel County Landfill  
Site alias: Glen Burnie  
Convenience Center  
Location: 100 Dover Road, Glen  
Burnie

BMI#: MD1135  
Arundel Plaza  
Site alias: Sears, PoFolks  
Restaurant, Sears Automotive  
Location: 6650 Governor Ritchie  
Hwy, Glen Burnie

BMI#: MD1484  
Auto Emporium  
Site alias: Auto Clinic  
Location: 7595 Baltimore and  
Annapolis Blvd., Glen Burnie

BMI#: MD1171  
Baymeadow Property

Site alias: Martin Marietta; Gould  
Electronics  
Location: 6711 Baymeadow  
Road, Glen Burnie

BMI#: MD0938  
Belle Grove Property  
Location: 4800 Belle Grove Road,  
Baltimore

BMI#: MD1392  
Bert Jabins Eastport Yacht Yard  
Location: 726 Second Street,  
Annapolis

BMI#: MD0774  
BMW of Annapolis & Mini of  
Annapolis  
Location: 25 Old Mill Bottom  
Road, Annapolis

BMI#: MD0480  
Cherry Hill/Pittman Road/Waldorf  
Trailer/Cherry Pit Drum Site B  
(Pittman Location)  
Site alias: A-1 Transfer;  
Magnetics, Inc.  
Location: 701 Pittman Road,  
Baltimore

BMI#: MD1212  
Cleaning By Riley  
Site alias: Annapolis Towne  
Center at Parole - Annex Property  
Location: 2060-2072 Somerville  
Road, Annapolis

BMI#: MD0891  
Concorde Circle/Lot 6  
Development  
Site alias: Concorde Circle Phase  
II Development  
Location: Concorde Circle,  
Linthicum Heights

BMI#: MD0769  
Cromwell Fields Shopping Center  
Site alias: Carousel Cleaners  
Location: 7389 Baltimore-  
Annapolis Boulevard (Intersection  
with Dorsey Road), Glen Burnie

BMI#: MD0204  
David Taylor/Annapolis - Control  
Site alias: C03MD0236  
Location: 640A Broadneck Road,  
Annapolis

BMI#: MD0206  
Davidsonville - Control Nike W-25  
Site alias: C03MD0235  
Location: 3789 Queen Anne  
Bridge Road, Davidsonville

BMI#: MD0205  
Davidsonville - Launch Nike W-25  
Site alias: C03MD0235  
Location: 3737 Elmer F. Hagner  
Lane, Davidsonville

BMI#: MD0071  
Diamond Shamrock Corp. -  
Chemicals Division  
Site alias: Erachem Comilog, Inc.

Location: 711 Pittman Road; 610  
Pittman Road, Curtis Bay

BMI#: MD0429  
EPA Central Regional Laboratory  
Location: 839 Bestgate Road,  
Annapolis

BMI#: MD1332  
Falls Grove at Riva Trace  
Site alias: Riva Trace Baptist  
Church  
Location: 2990 Riva Trace  
Parkway, Annapolis

BMI#: MD0768  
Fila U.S.A., Inc. - Brandon Woods  
Business Park  
Location: 7630 Gambrills Cove  
Road, Baltimore

BMI#: MD1456  
Formica Property  
Site alias: National Plastics Prod;  
Nevamar/International Paper  
Location: 8305 Telegraph Road,  
Odenton

BMI#: MD0365  
Fresh Pond  
Location: Forest Glen Drive, 0.25  
miles north of Mountain Road,  
Pasadena

BMI#: MD0178  
Green Valley Road Site  
Location: End Of Green Valley  
Road, Arnold

BMI#: MD1083  
Hanover MD  
Site alias: TruGreen Landcare  
Location: 7135 Standard Drive,  
Hanover

BMI#: MD1213  
Hardaway Company  
Location: 325 Lokus Road,  
Odenton

BMI#: MD0724  
Hi-Tech Color, Inc.  
Site alias: Border Print Ink;  
Borden Chemical  
Location: 1721 Midway Road,  
Odenton

BMI#: MD0928  
J-World  
Site alias: Parcel 784  
Location: 211/213 Eastern  
Avenue; 712/714 Second Street,  
Annapolis

BMI#: MD1235  
Kanasco Ltd.  
Location: 6110 Robinwood Road,  
Glen Burnie

BMI#: MD0780  
Legion Center  
Site alias: Ag Chemical  
Equipment Company, Peck

Printing Inc., Kakota Ryan  
Painting, Annapolis Detailing  
Location: 300-314 Legion  
Avenue, 1814 George Avenue,  
1813 Margaret Avenue, Annapolis

BMI#: MD0991  
Lot 1, Floodplain A&B, 1177  
Patuxent Road  
Site alias: Auto Placement  
Center, G&H Partnership, 1179  
Patuxent Rd  
Location: 1177 Patuxent Road,  
Odenton

BMI#: MD1197  
Marley Neck Property  
Location: Marley Neck Road and  
Marley Neck Boulevard, Glen  
Burnie

BMI#: MD1404  
Maryland City Plaza Shopping  
Center  
Location: 3401-3495 Fort Meade  
Road (Route 198), Laurel

BMI#: MD1140  
Matlack, Inc.  
Location: 4801 Belle Grove Road,  
Baltimore

BMI#: MD0070  
Mid-Atlantic Wood Preservers  
Location: P.O. Box 58; 7457  
Shiple Avenue, Harmans

BMI#: MD0081  
Middletown Road Dump Site  
Location: Middletown Road,  
Annapolis

BMI#: MD1138  
Mt. Tabor Road Site  
Site alias: Former Norfolk Farm;  
2355 and 2359 Mt. Tabor Road  
Location: 2355 Mt. Tabor Road,  
Gambrells

BMI#: MD0072  
Nevamar Corp.  
Location: 8339 Telegraph Road,  
Odenton

BMI#: MD0421  
Nova-Kote Inc.  
Location: 7615 Energy Parkway,  
Baltimore

BMI#: MD0981  
P&K Cleaners  
Site alias: Glendale Well  
Location: 7628 Baltimore  
Annapolis Boulevard, Glen Burnie

BMI#: MD0810  
Park Place Development  
Location: Northeast of  
intersection of Taylor Avenue and  
West Street, Annapolis

BMI#: MD0867  
Patapsco Center 1 & 2

Site alias: Patapsco Industrial  
Park  
Location: 805 & 809 Barkwood  
Court (PC 1); 801, 803 & 80A  
Barkwood Court (PC2), Linthicum

BMI#: MD1429  
Ridge Road Parcel  
Location: 7140 Ridge Road,  
Hanover

BMI#: MD1385  
Robinson Crossing Shopping  
Center  
Location: 450-484 Governor  
Ritchie Highway, Severna Park

BMI#: MD0934  
Snow Hill Lane Site Phase I  
Site alias: VCP Site is a Portion of  
Larger SML MD-201 Site  
Location: Abutting Snow Hill  
Lane, Brooklyn

BMI#: MD1396  
Snow Hill Lane Site Phase II  
Location: East of Cedar Hill Lane  
and north of I-695, Brooklyn

BMI#: MD1291  
Southgate Marketplace  
Location: 337 Hospital Drive,  
Glen Burnie

BMI#: MD1281  
Southwest Annex of Former  
Parole Plaza Shopping Center  
Location: Riva Road, Annapolis

BMI#: MD1546  
Turkey Point  
Location: 1114 Paca Drive,

BMI#: MD0868  
USG Interiors - Access Floor  
Division Facility  
Location: 786 Elkridge Landing  
Road, Linthicum

BMI#: MD0041  
Vectra Corp. - Odenton  
Site alias: Chevron Chemical  
Plant; Part of Formica (VCP)  
Location: 8305 Telegraph Road,  
Odenton

BMI#: MD1379  
Yacht Enterprises Limited  
Partnership Properties  
Location: 210 Eastern Avenue;  
712 and 714 Second Street,  
Annapolis

**BALTIMORE CITY**

BMI#: MD0859  
10 East North Avenue Property  
Location: 10 East North Avenue,  
Baltimore

BMI#: MD0770  
1001 North Chester Street  
Site alias: Wilcox Ziegler Coal  
Storage Yard; Gross Coal Co.;

Potomac Coal Storage Yard;  
Anderson Auto Sales; Wise Fuel  
Oil  
Location: 1001 North Chester  
Street, Baltimore

BMI#: MD0780  
1111 Light Street Parcel  
Location: 1105-1117 Light Street,  
1108-1110 William Street, 133-  
135 East Cross Street, 124-126  
Weber Street, Baltimore

BMI#: MD0837  
1134 Hull Street  
Location: 1134 Hull Street,  
Baltimore

BMI#: MD1309  
1200 North Charles Street  
Location: 1201-1229 North  
Charles Street, Baltimore

BMI#: MD0812  
121 Kane Street  
Site alias: KSP Facility; Hardware  
Fair, Airco School of Welding,  
Sofa Shoe, Frank's Pallets,  
Owens Brockway, Graham  
Packaging  
Location: 121 Kane Street,  
Baltimore

BMI#: MD1110  
1300 Race Street  
Location: 1300 Race Street,  
Baltimore

BMI#: MD1264  
1301 South Conkling Street  
Site alias: White & Herman  
Furniture Company; United  
Decorative Flower Company  
Location: 1301 South Conkling  
Street, Baltimore

BMI#: MD1321  
1400 Eastern Avenue  
Location: 1400 Eastern Avenue,  
Baltimore

BMI#: MD1425  
1411 Warner Street  
Site alias: Lot J  
Location: 1411 Warner Street,  
Baltimore

BMI#: MD0719  
1501 St. Paul Street Property  
Location: 1901 Saint Paul Street,  
Baltimore

BMI#: MD1375  
1600 -1606 Bush Street  
Site alias: Former Southern  
Galvanizing  
Location: 1600-1606 Bush Street,  
Baltimore

BMI#: MD0777  
1901 South Charles Street  
Site alias: P. Kennedy Foundry  
Location: 1901 South Charles  
Street, Baltimore

BMI#: MD0147  
1st Plant  
Site alias: MD-147  
Location: 220 Guilford Avenue,  
Baltimore

BMI#: MD0770  
2100 Van Deman Street  
Site alias: Red Star Yeast  
Location: 2100 Van Deman  
Street, Baltimore

BMI#: MD0972  
2110 Haines Street  
Location: 2110 Haines Street,  
Baltimore

BMI#: MD0148  
2nd Plant  
Site alias: Holliday Plant, Holliday  
Street Works, MD-148  
Location: Saratoga Street and  
Holliday Street, Baltimore

BMI#: MD1084  
3201 St. Paul Street  
Location: 3201 St. Paul Street  
and 99 East 33rd Street, Baltimore

BMI#: MD1276  
3300-3305 Childs Street and Lot 1  
Site alias: Allwaste Service, Inc.  
Location: 3300-3305 Childs  
Street, Baltimore

BMI#: MD0745  
3310 Childs Street  
Site alias: Alliance Material  
Handling  
Location: 3310 Childs Street,  
Baltimore

BMI#: MD1577  
34-40 East Randall Street  
Location: 34-40 East Randall  
Street, Baltimore

BMI#: MD1327  
3508-3520 Fairfield Road  
Site alias: Part of Essex Industrial  
Chemical/Mid-States Oil Refining  
Location: 3508-3520 Fairfield  
Road, Baltimore

BMI#: MD1054  
3515 Dolfield Avenue  
Site alias: Baltimore Auto Supply  
Company  
Location: 3515 Dolfield Avenue,  
Baltimore

BMI#: MD1293  
3545 Fairfield Road  
Site alias: Tosco Site  
Location: 3545 Fairfield Road,  
Baltimore

BMI#: MD1366  
3601-3607 O'Donnell Street  
Site alias: Gunther Brewery;  
Brewers Hill Parcel 3  
Location: 3601-3607 O'Donnell  
Street, Baltimore

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| BMI#: MD1405<br>3800 E Biddle Street<br>Site alias: Former Continental Can Company; Former Cars Site<br>Location: 3800 E Biddle Street, Baltimore  | Location: 801- 857 South Caroline Street, Baltimore   | Site alias: U.S. Can, Alltrista, Ball Corporation<br>Location: 901 West Ostend Street, Baltimore   | Location: Fait Street and Lakewood Street, Baltimore  |
| BMI#: MD1435<br>440 East Oliver Street<br>Site alias: Lord Baltimore Press; 1500 Greenmount Ave<br>Location: 440 East Oliver Street, Baltimore   | BMI#: MD1093<br>921/925 Fort Avenue<br>Site alias: Former Maryland White Lead Works<br>Location: 921 and 925 Fort Avenue, Baltimore                                 | BMI#: MD0052<br>Baltimore Housing Authority<br>Location: 222 East Saratoga Street, Baltimore   | BMI#: MD0253<br>Capital Assay Labs<br>Location: 2901 Whittington Avenue, Baltimore  |
| BMI#: MD1257<br>4500 and 4504 Harford Road<br>Property<br>Site alias: Jesse C. King, Mini Mart<br>Location: 4500 and 4504 Harford Road, Baltimore  | BMI#: MD1409<br>Ackerman and Baynes, Inc. Property<br>Site alias: 4211-4215 Erdman Avenue<br>Location: 4215 Erdman Avenue, Baltimore                                | BMI#: MD0257<br>Baltimore Iron and Metal<br>Location: 3800 Newgate Road, Pier 12, Baltimore  | BMI#: MD0961<br>Charles Village West<br>Location: 3204-3222 St. Paul Street, 3 East 33rd Street, 3203 Lovegrove Street, Baltimore                                       |
| BMI#: MD0160<br>4th Gas House<br>Site alias: Canton Station (MD-159)<br>Location: Fait Street and Lakewood Avenue (formerly Lancaster Street and Patapsco Street), Baltimore             | BMI#: MD0473<br>Ainsworth Paint Mfg Site<br>Location: 3200 East Biddle Street, Baltimore  | BMI#: MD0012<br>Baltimore Smelting<br>Site alias: H. Landsman & Sons<br>Location: 227 South Central Avenue, Baltimore  | BMI#: MD1060<br>Chesapeake Paperboard Parcel 2<br>Location: 1215 East Fort Avenue, Baltimore  |
| BMI#: MD1433<br>600 S. Broadway and 1640 Fleet Street<br>Location: 600 South Broadway and 1640 Fleet Street, Baltimore   | BMI#: MD1117<br>American Brewery - Brewhouse Parcel<br>Site alias: John F. Wiessner & Sons Brewing Co, Brewery Parcel<br>Location: 1701 North Gay Street, Baltimore | BMI#: MD0051<br>Baltimore Steel Drum Corp.<br>Location: 910 South Kresson Street, Baltimore  | BMI#: MD1269<br>Chevron U.S.A., Inc., Excess East Yard Property<br>Site alias: Part of Chevron Texaco Baltimore (MD-143)<br>Location: 1955 Chesapeake Avenue, Baltimore |
| BMI#: MD1432<br>608 South Regester Street<br>Site alias: Marketplace Properties<br>Location: 608 South Regester Street, Baltimore  | BMI#: MD0352<br>American Can Company<br>Site alias: American National Can Company<br>Location: 2400 Boston Street, Baltimore  | BMI#: MD0292<br>Biochem<br>Site alias: Amoco Oil (MD-105); Amoco Balt. Asphalt (VCP)<br>Location: 3901 Asiatic Avenue, Baltimore   | BMI#: MD0954<br>Circular Advertising (FETCHO)<br>Location: 1500 South Monroe Street, Baltimore  |
| BMI#: MD1414<br>701 South Eden Street<br>Location: 701 South Eden Street, Baltimore  | BMI#: MD0152<br>American Chemmate<br>Site alias: Chemical Services<br>Location: 1113-1131 S. Howard Street, Baltimore   | BMI#: MD0293<br>Biochem Management Inc.<br>Site alias: Former Multichem Corp; Delaware Hospital Service<br>Location: 1917 Benhill Avenue, Baltimore  | BMI#: MD0916<br>Clipper Industrial Park<br>Site alias: 3500 Clipper Road<br>Location: 3500 Clipper Road, 2000-2015 Clipper Drive and 3501 Parkdale, Baltimore           |
| BMI#: MD0874<br>7020 Quad Avenue Site<br>Location: 7020 Quad Avenue, Baltimore   | BMI#: MD0089<br>American Shot and Lead Co.<br>Location: Fayette Street and Front Street, Baltimore  | BMI#: MD1027<br>Birtic Property<br>Site alias: Better Buildings Warehouse<br>Location: 107 West Heath Street, Baltimore  | BMI#: MD0110<br>Conoco Inc Baltimore Terminal<br>Location: 3410 Fairfield Road, Baltimore   |
| BMI#: MD1421<br>715 South Haven Street<br>Site alias: C. Hoffberger Co Ice Plant; Case Mason Filling Co; A&L Packaging, Westwood Chemical<br>Location: 715 South Haven Street, Baltimore | BMI#: MD1363<br>Amoco Baltimore Asphalt Terminal<br>Site alias: Part of Amoco Oil Co. (SML); Includes Biochem<br>Location: 3901 Asiatic Avenue, Baltimore           | BMI#: MD1451<br>Bolton Yards<br>Location: 80 West Oliver Street and 1301 West Mount Royal Avenue, Baltimore  | BMI#: MD0263<br>Conrail Orangeville Yard<br>Location: 6000 East Lombard Street/4400 Fayette Street, Baltimore   |
| BMI#: MD0993<br>719-723, 725 & 733 Fort Avenue<br>Site alias: T and M Painting, Patterns Unlimited<br>Location: 719-723, 725 & 733 Fort Avenue, Baltimore                                | BMI#: MD0105<br>Amoco Oil Co.<br>Site alias: Includes Amoco Baltimore Asphalt Terminal VCP site<br>Location: 3901 Asiatic Avenue, Baltimore                         | BMI#: MD0273<br>Bruning Paint Co.<br>Site alias: Part of South Haven Properties (VCP)<br>Location: 601 South Haven Street, Baltimore   | BMI#: MD1280<br>Constellation Property - Parcel 1<br>Location: 850 South Bond Street, Baltimore   |
| BMI#: MD1394<br>801 South Caroline Street<br>Site alias: Includes 803 S. Caroline Street   | BMI#: MD0106<br>Armco Baltimore Works<br>Site alias: Partially overlaps Former Republic Steet (VCP)<br>Location: 3501 East Biddle Street, Baltimore                 | BMI#: MD1175<br>Camden Crossing (Barre Station, Koppers Site)<br>Site alias: Barre Station, Koppers (MD-431), Parkin Street<br>Location: Bounded by Scott Street, McHenry Street And Poppleton Street, Baltimore | BMI#: MD1122<br>Constellation Property - Parcel A<br>Location: 901 South Bond Street, Baltimore   |
|  | BMI#: MD1172<br>Baltimore Camden Yards  | BMI#: MD0159<br>Canton Station<br>Site alias: Canton Station Gas Plant, 4th Gas Plant (MD-160)   | BMI#: MD1448<br>Constellation Property - Parcel D<br>Location: 870-872 South Dallas Street, 900-915 South Carolina, 1500-1530 Thames Street, Baltimore                  |
|  |   |  | BMI#: MD1113<br>Constellation Property - Parcels B and C<br>Location: 1401/1403 and 1409 Thames Street, Baltimore   |
|  |   |  | BMI#: MD0354  |

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| Continental Can Co. - USA Plant #16<br>Site alias: Part of 3800 E Biddle Street VCP<br>Location: 3701 Duncanwood Lane, Baltimore  | Location: 4500 East Lombard Street, Baltimore   | Location: Frankford Avenue and Sinclair Lane, Baltimore   | Location: 1200 South Conkling Street, Baltimore   |
| BMI#: MD1202<br>Crown Simplimatic, Inc. Facility<br>Location: 1200 South Newkirk Street or 4623 O'Donnell Street, Baltimore   | BMI#: MD1164<br>Fleet Eden Garage Sites<br>Site alias: Includes Dynasurf (MD-153)<br>Location: 1401/1415, 1417/1419, 1421 Eastern Avenue; 1424, 1426, 1432 Fleet Street; 509 South Eden Street, Baltimore   | BMI#: MD0319<br>G & M Terminal<br>Location: 3500-3800 Asiatic Avenue, Baltimore   | BMI#: MD0720<br>Gunther Brewery - Parcel 5 - "Ale, Pilsner and Stout Building"<br>Location: 1211 South Conkling Street, Baltimore   |
| BMI#: MD1498<br>CSX Property (Fort Armistead Road)<br>Location: Ward 25 Sec. 9 Blk 7006 Lot 10, Baltimore   | BMI#: MD0844<br>Former Chesapeake Paperboard Company<br>Location: 1001 East Fort Avenue, Baltimore  | BMI#: MD0866<br>Gateway South and Warner Street Properties<br>Site alias: Includes Gateway South Phase I and Warners Street Properties VCP Sites. Maryland Chemical Co.; Chemstation Mid-Atlantic<br>Location: 1501, 1525, 1551 Russell Street; 1501, 1601, 1629, 1633, 1645 Warner Street, 2119 Haines Street; 2104 Worcester Street and 2102, Baltimore | BMI#: MD0721<br>Gunther Brewery - Parcel 6<br>Site alias: Gunther Brewery Parcel 4; Easton Street<br>Location: 3701 O'Donnell Street, Baltimore                                 |
| BMI#: MD0781<br>Domain Brewers Hill Phase II/The National Apartments<br>Site alias: Part of 3601-3607 O'Donnell Street and 3701 O'Donnell Street VCP properties; Gunther Brewery Lot 6A<br>Location: 3607 O'Donnell Street, Baltimore | BMI#: MD1446<br>Former Coliseum Building<br>Location: 2201 North Monroe Street, Baltimore   | BMI#: MD1449<br>Gateway South, Phase I<br>Site alias: Maryland Chemical Co., Chemstation Mid-Atlantic; Gateway South and Warner St<br>Location: 1501, 1525 and 1551 Russell Street, Baltimore   | BMI#: MD1289<br>Gunther Brewery - Parcel 7 - "Toone Street"<br>Site alias: Toone Street<br>Location: Toone Street, Baltimore  |
| BMI#: MD0153<br>Dynasurf Chemical Corp.<br>Site alias: Part of Fleet Eden Garage Sites (VCP)<br>Location: 1411 Fleet Street, Baltimore  | BMI#: MD1205<br>Former Esskay Plant<br>Location: 3800 East Baltimore Street, Baltimore  | BMI#: MD1449<br>Gateway South, Phase I<br>Site alias: Maryland Chemical Co., Chemstation Mid-Atlantic; Gateway South and Warner St<br>Location: 1501, 1525 and 1551 Russell Street, Baltimore   | BMI#: MD1290<br>Gunther Brewery - Parcel 9 - "Triangular Parcel/Parking Lot"<br>Location: East of 1300 South Conkling Street, Baltimore   |
| BMI#: MD1398<br>E. J. Codd Company<br>Location: 700 & 704 South Caroline Street, Baltimore  | BMI#: MD1507<br>Former Raisin Monumental Company<br>Location: 2000 Chesapeake Avenue, Baltimore   | BMI#: MD1215<br>General Motors Site-Area B<br>Site alias: Anchor Motor Freight: General Motors Truck and Bus<br>Location: South of Holabird Avenue and west of Broening Highway, Baltimore  | BMI#: MD1510<br>Gwynns Falls/Middle Branch Arsenic Study<br>Site alias: Middle Branch Study<br>Location: Middle Branch of the Patapsco River, Baltimore                         |
| BMI#: MD1104<br>E. Stewart Mitchell Facility<br>Site alias: Mitchell E.S. Co., Mitchell Asphalt<br>Location: 1400 Ceddox Street and 1500 Benhill Avenue, Baltimore  | BMI#: MD1133<br>Former Republic Steel Facility (3501 East Biddle Street And 4100 Ashland Avenue)<br>Site alias: BTR Biddle Property; Armco Baltimore Works; Includes Armco, Inc. (MD-106)<br>Location: 3501 East Biddle Street And 4100 Ashland Avenue, Baltimore   | BMI#: MD0729<br>General Motors Site-Area D<br>Site alias: Fort Holabird<br>Location: East of Broening Highway and north of Keith Avenue, Baltimore  | BMI#: MD0783<br>H.F. Miller & Son Building<br>Site alias: American Can Co., Sunwalt Ice Co.; Miller Court<br>Location: 2601 North Howard Street and 2643 Mace Street, Baltimore |
| BMI#: MD0379<br>East Federal Street Site<br>Location: East of 3520 East Federal Street, Baltimore   | BMI#: MD1169<br>Former Waterford Caseworks<br>Site alias: 1809 Bayard Street; Former Athey Paint Company<br>Location: 1809 Bayard Street, Baltimore   | BMI#: MD0766<br>GP66 Building<br>Site alias: Camp Holabird; Fort Holabird<br>Location: 1901 Portal Street, Baltimore  | BMI#: MD1121<br>Harbor Point - Areas 2 and 3<br>Site alias: Former Allied Signal<br>Location: Block Street, South Caroline Street, Philpot Street and Dock Street, Baltimore    |
| BMI#: MD0538<br>Essex Industrial Chemicals, Inc.<br>Site alias: Part of 3508-3520 Fairfield Road (VCP)<br>Location: 3520 Fairfield Road, Baltimore  | BMI#: MD0411<br>Fort Holabird Crime Records Center<br>Location: Corner of Oakland Avenue and Detroit Avenue, Baltimore  | BMI#: MD0753<br>Gunther Brewery - Parcel 10 - "Former Railroad Right-of-Way" - Northeast Portion<br>Location: Southern border of Toone Street to intersection of O'Donnell Street and South Haven Street, Baltimore   | BMI#: MD1511<br>Hollinswood Shopping Center (Former Betty Brite)<br>Site alias: Betty Brite<br>Location: 2157 West Patapsco Avenue, Baltimore                                   |
| BMI#: MD0114<br>Estech General Chemical Co.<br>Location: 5500 Chemical Road, Baltimore  | BMI#: MD0855<br>Four Seasons/Legg Mason Tower<br>Site alias: Legg Mason Office Tower and Garage, Legg Mason Tower Retail, Four Seasons Residential, Four Seasons Hotel, Four Seasons Retail<br>Location: Block 1800 [100, 200, 300 International Drive; 700, 716 President Street; 701 Aliceanna Street], Baltimore | BMI#: MD0766<br>Gunther Brewery - Parcel 10 - "Former Railroad Right-of-Way" - Southwest Portion<br>Location: Extends from 1300 block of South Conkling Street to the southern border of Toone Street, Baltimore  | BMI#: MD1214<br>Inland Leidy, Inc.<br>Site alias: Windsor Terminal<br>Location: 2225 Evergreen Street, Baltimore  |
| BMI#: MD0091<br>Exxon Co. USA<br>Location: 3801 Boston Street, Baltimore  | BMI#: MD1043<br>Frankford Gardens Shopping Center   | BMI#: MD1286<br>Gunther Brewery - Parcel 4 - "Hops Building"  | BMI#: MD0929<br>Kelco Property<br>Location: 4020 East Baltimore Street, Baltimore   |
| BMI#: MD0244<br>F. Bowie Smith & Son, Inc   |   |   | BMI#: MD0340<br>Key Highway Shipyard<br>Location: 1101 Key Highway, Baltimore   |
|   |   |   | BMI#: MD1203  |

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| Kirk-Steff Silver Building<br>Location: 800 Wyman Park Drive,<br>Baltimore  | Marlen Trading Company<br>Location: 4101 Curtis Ave,<br>Baltimore   | BMI#: MD0488<br>Parker Metals Decorating Inc.<br>Site alias: Parker Metals Site<br>Location: 1301 South Howard<br>Street, Baltimore                                     | Location: 7350 Carbide Road,<br>Baltimore   |
| BMI#: MD1468<br>Kopper Co Inc - Metal Products<br>Division<br>Site alias: Part of Camden<br>Crossing (VCP)<br>Location: 200 Scott St, Baltimore                         | BMI#: MD0095<br>Martin Marietta Corp.<br>Location: 1130 East 30th Street,<br>Baltimore  | BMI#: MD1326<br>Patapsco Industrial Center<br>Site alias: Former Harbison<br>Walker Refractories<br>Location: 1200 East Patapsco<br>Avenue, Baltimore                   | BMI#: MD1036<br>Proctor & Gamble Soap<br>Manufacturing<br>Site alias: Tide Point<br>Location: 1422 Nicholson Street,<br>Baltimore   |
| BMI#: MD0021<br>Koppers Co. Baltimore Treating<br>Plant Landfill<br>Location: 3100 Childs Street,<br>Baltimore  | BMI#: MD1039<br>Montgomery Park Business<br>Center<br>Site alias: Former Montgomery<br>Ward Catalog Building Complex;<br>1900 Washington Blvd.; 1800<br>Washington Blvd<br>Location: 1000 South Monroe<br>Street, Baltimore | BMI#: MD1423<br>Penn Square<br>Location: 2632-2678<br>Pennsylvania Avenue; 1611-1617<br>Clifton Avenue; 2655-2661, 2631-<br>2649 & 2650-2656 Bruce Street,<br>Baltimore | BMI#: MD1142<br>Pulaski Incinerator Facility<br>Location: 6709 Pulaski Highway,<br>Baltimore  |
| BMI#: MD1415<br>Lenmar, Inc.<br>Site alias: Lenmar Lacquers<br>Location: 150 South Calverton<br>Road, Baltimore   | BMI#: MD0471<br>Morgan State University Site<br>Location: 4101 Hillen Road,<br>Baltimore  | BMI#: MD0249<br>Plating Site<br>Location: 1009 West Baltimore<br>Street, Baltimore  | BMI#: MD1220<br>Rhone-Poulenc<br>Site alias: Alcolac<br>Location: 3440 Fairfield Road,<br>Baltimore   |
| BMI#: MD0258<br>Locomotive Junkyard<br>Location: Near 6000 Chemical<br>Road, Baltimore  | BMI#: MD0823<br>Mr. Nifty Cleaners<br>Location: 3223 Greenmount<br>Avenue, Baltimore  | BMI#: MD1305<br>Point Breeze Business Center<br>(C1,C2,C4)<br>Location: 2400, 2500, 2501, 2510<br>Broening Highway (Parcel C, Lot<br>1,2,4), Baltimore                  | BMI#: MD1368<br>Riverside Wharf<br>Site alias: Main Steel (First VCP<br>Application and BF Assessment);<br>1301 Boyle Street<br>Location: 1301 Boyle Street,<br>Baltimore               |
| BMI#: MD0784<br>Lombard Street Property<br>Site alias: Cambrex Bioscience<br>Location: 5901 East Lombard<br>Street, Baltimore   | BMI#: MD0119<br>MRI Corporation<br>Site alias: M&T Chemicals, Inc. -<br>MRI; 1900 Chesapeake Avenue<br>Location: 3233 Vera Street,<br>Baltimore   | BMI#: MD1033<br>Point Breeze Business Center<br>(C3)<br>Location: 2330 Broening Highway<br>(Parcel C, Lot 3), Baltimore   | BMI#: MD0343<br>Safety-Kleen Corporation<br>Site alias: Safety Kleen Systems,<br>Inc.<br>Location: 1448 Desoto Road,<br>Baltimore   |
| BMI#: MD0897<br>Lot 42, Hollander Ridge Business<br>Park<br>Site alias: Hollander Ridge<br>Location: 2001 62nd Street,<br>Baltimore                                     | BMI#: MD0930<br>National Bohemian Brewery<br>Location: 3601 Dillon Street,<br>Baltimore   | BMI#: MD1201<br>Point Breeze Business Center<br>(D1,D5)<br>Location: 2200 Broening Highway<br>(Parcel D, Lots 1 And 5),<br>Baltimore                                    | BMI#: MD0245<br>Severn Street Station<br>Site alias: Includes Valspar<br>Baltimore Plant (VCP)<br>Location: 1400 Block Severn<br>Street; 1700 Bayard Street,<br>Baltimore               |
| BMI#: MD0118<br>M&T Chemicals Inc. - Atotech<br>Site alias: Atotech USA, Inc.<br>Location: 1900 Chesapeake<br>Avenue, Baltimore   | BMI#: MD0096<br>NL Industries Inc. Baltimore Metal<br>Plt<br>Location: 214 West Henrietta<br>Street, Baltimore  | BMI#: MD1209<br>Point Breeze Business Center<br>(D1A)<br>Location: 2200 Broening Highway<br>(Parcel D, Lot 1A), Baltimore   | BMI#: MD1615<br>SHA Storage Lot<br>Location: 3510 Hawkins Point<br>Road, Baltimore  |
| BMI#: MD0775<br>Major Packaging Property<br>Location: 3700-3800 4th Avenue,<br>Baltimore  | BMI#: MD0098<br>NL Industries Inc. White Lead Plt<br>Location: 204 Spears Wharf,<br>Baltimore   | BMI#: MD1200<br>Point Breeze Business Center<br>(D2)<br>Location: 2300 Broening Highway<br>(Parcel D, Lot 2), Baltimore   | BMI#: MD0244<br>Smith, F. Bowie & Son Inc.<br>Location: 4500 East Lombard<br>Street, Baltimore  |
| BMI#: MD1078<br>Malt Mill Building<br>Site alias: Brewers Hill East<br>(Brownfields Site)<br>Location: 3701 Dillon Street,<br>Baltimore                                 | BMI#: MD0097<br>NL Industries Merchants Shot<br>Works<br>Site alias: Phoenix Shot Tower<br>Location: 701 E Fayette Street,<br>Baltimore   | BMI#: MD1210<br>Point Breeze Business Center<br>(D3)<br>Location: 2310 Broening Highway<br>(Parcel D, Lot 3), Baltimore   | BMI#: MD0755<br>South Haven Properties<br>Site alias: Includes Bruning Paint<br>Co. (MD-273)<br>Location: 601 South Haven<br>Street, Baltimore  |
| BMI#: MD1431<br>Marketplace East<br>Location: 607-627 South<br>Broadway, 614-616 South<br>Regester Street, Baltimore  | BMI#: MD1450<br>Northwest Health and<br>Rehabilitation Center<br>Site alias: Nursing Home or<br>Convalescent Center; Millenium<br>Health<br>Location: 4601 Pall Mall Road,<br>Baltimore                                     | BMI#: MD0422<br>Port Liberty Industrial Center<br>Site alias: Port Liberty Industrial<br>Park<br>Location: 1900 Frankfurst<br>Avenue, Baltimore                         | BMI#: MD0378<br>Southgate Industrial Park<br>Location: 2147 Wicomico Street,<br>Baltimore   |
| BMI#: MD1430<br>Marketplace West<br>Location: 604-622 South<br>Broadway, 1621-1631 Fleet<br>Street, 611-623 South Bethel<br>Street, 1630 Aliceanna Street,<br>Baltimore | BMI#: MD1198<br>Overflo Warehouse Facility<br>Site alias: Key Way Transport Inc,<br>National Brewing Company<br>Location: 3901 Dillon Street,<br>Baltimore  | BMI#: MD1533<br>Praxair, Inc.   | BMI#: MD1134<br>SSI Realty Corporation<br>Site alias: 1201 South Paca<br>Street<br>Location: 710 West Ostend<br>Street, 730 West West Street,<br>801-819 West West Street,<br>Baltimore |
| BMI#: MD1412  |   |   |   |

BMI#: MD1283  
Station North Townhomes  
Location: 117 East Lafayette Avenue, Baltimore

BMI#: MD0312  
Striegel Supply  
Location: 6001 Chemical Road, Baltimore

BMI#: MD1195  
Support Terminal Services, Inc.  
Site alias: Port Liberty Industrial Park  
Location: 1800 Frankfurst Avenue, Baltimore

BMI#: MD1402  
Swann's Wharf  
Location: 951 Fell Street, Baltimore

BMI#: MD0390  
Tank Barge #626  
Location: Pier 1 Clinton Street, Baltimore

BMI#: MD0964  
The Greens at Irvington Mews  
Site alias: Frederick Avenue Property (4200-4400 Frederick Ave) was previous property name and address under old application.  
Location: 4300 Frederick Avenue, Baltimore

BMI#: MD1411  
Tidewater Yacht Service Center  
Location: 1020-1022 Key Highway East, Baltimore

BMI#: MD0990  
TravelCenters of America Former Mobil Station  
Site alias: Baltimore Travel Plaza, TCA No. 216  
Location: 5625 O'Donnell Street, Baltimore

BMI#: MD0806  
Union Mill  
Site alias: Life-Like Products, Inc.; Lifoam Manufacturing Co.  
Location: 1500 Union Avenue, Baltimore

BMI#: MD0832  
Union Wharf  
Site alias: The Arundel Corporation; Taylor Supply  
Location: 901 South Wolfe Street, Baltimore

BMI#: MD0760  
United Iron & Metal Recyclers  
Location: 2545 Wilkens Avenue, Baltimore

BMI#: MD0722  
Vail Street  
Location: 5425 O'Donnell Street, Baltimore

BMI#: MD1166  
Valspar Baltimore Plant  
Site alias: Severn Street Station  
MGP; Chesapeake Iron Works  
Location: 1401 Severn Street, Baltimore

BMI#: MD0809  
Warner Street Properties  
Site alias: Part of Gateway South and Warner Street; Baltimore Cedar Company, JB McNeal Paint, Oil and Varnish Works, Gordon Carton, C.D. P  
Location: 1501, 1601, 1629, 1633 and 1645 Warner Street, 2119 Haines Street, Baltimore

BMI#: MD0015  
WR Grace & Co. - Davidson Chem Div.  
Location: 5500 Chemical Road, Curtis Bay

**BALTIMORE COUNTY**

BMI#: MD1586  
11 West Aylesbury Road Property  
Site alias: Adjacent to 1941 Greenspring Drive  
Location: 11 West Aylesbury Road, Timonium

BMI#: MD1447  
1400 Taylor Avenue  
Site alias: Bendix, ETG  
Location: 1400 Taylor Avenue, Baltimore

BMI#: MD1607  
2331 Cleanleigh Drive  
Location: 2331 Cleanleigh Drive, Baltimore

BMI#: MD1376  
40 West Auto Park Inc.  
Site alias: Friendly Lincoln Mercury; Monarch Lincoln Mercury  
Location: 5525 Baltimore National Pike, Baltimore

BMI#: MD0174  
68th Street Dump/Complex  
Site alias: Colgate Pay Dump/Industrial Enterprises/Robb Tyler Chesaco Dump  
Location: 68th Street, Rosedale

BMI#: MD0744  
8655 Pulaski Highway  
Site alias: 8655 Pulaski Joint Venture, LLC  
Location: 8655 Pulaski Highway, Baltimore

BMI#: MD1052  
Air Force Plant #50  
Site alias: C03MD0377  
Location: Halethorpe Farms Road, Halethorpe

BMI#: MD1208  
Arcade Towson/ Radio Park  
Location: 1220 East Joppa Road, Towson

BMI#: MD0448  
Back River  
Location: Off Beachwood Ave at Porter Point, Essex

BMI#: MD0069  
Baltimore Galvanizing Company Inc.  
Location: 7110 Quad Avenue, Rosedale

BMI#: MD1162  
Baltimore Goodwill Industries  
Location: 4001 Southwestern Boulevard, Baltimore

BMI#: MD0175  
Batavia Landfill  
Location: 619 Batavia Farm Road, Baltimore

BMI#: MD0388  
Beachwood Estates  
Site alias: Merritt Farms Waterfront; Beachwood Development  
Location: East of Morse Lane and West of Todd Point Lane, Edgemere

BMI#: MD1230  
Bell Atlantic/Hunt Valley Business Park  
Location: 11119 McCormick Road, Cockeysville

BMI#: MD0395  
Bendix Corp.  
Location: 1300 East Joppa Road, Towson

BMI#: MD1489  
Bengie's Road  
Site alias: Lewis Davis Dump  
Location: Off Bengies Road, Middle River

BMI#: MD0988  
Berryman's Lane  
Site alias: Smoot's Garage (Canby Site)  
Location: 1121 Berryman's Lane, Reisterstown

BMI#: MD0046  
BIO Quest  
Location: Schilling Circle, Cockeysville

BMI#: MD0187  
Buck Steel Drum  
Location: 8234 Rosebank Avenue, Dundalk

BMI#: MD1126  
Catonsville Plaza  
Site alias: Brite America Cleaners/Catonsville Plaza Cleaners  
Location: 5301-5447 Baltimore National Pike, Baltimore

BMI#: MD1591  
Chesaco Avenue OCP  
Location: 1207, 1209, 1209H, 1211, 1213, 1215 Chesaco Avenue, Baltimore

BMI#: MD0747  
Chesapeake Park Plaza - Block B  
Site alias: Glenn L Martin Facility - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD0746  
Chesapeake Park Plaza - Blocks A & A2  
Site alias: Glenn L Martin Facility - Plant 1, Lockheed Martin  
Location: 2323 Eastern Boulevard, Middle River

BMI#: MD0315  
Circuit City  
Location: 6211 Rossville Boulevard, Baltimore

BMI#: MD1335  
Daniels Property  
Location: 3504 Washington Boulevard, Halethorpe

BMI#: MD0933  
Eastport Industrial Center  
Location: 7001 Quad Avenue, Rosedale

BMI#: MD1416  
Former Auto Repair Facility  
Location: 3500 Baltimore Washington Boulevard, Lansdowne

BMI#: MD0155  
Former Bausch & Lomb Diecraft Plant  
Location: 14600 York Road, Sparks

BMI#: MD1317  
Former Kings Cleaners  
Site alias: Former AMF Joppa Lanes  
Location: 1616 - 1628 East Joppa Road, Towson

BMI#: MD0264  
Four Corners (Jacksonville)  
Location: Intersection of Jarrettsville Pike, Sweet Air Road and Paper Mill Road, Jacksonville

BMI#: MD0116  
Gould Inc. Ind - Battery Div.  
Location: 1933 Greenspring Drive, Timonium

BMI#: MD0213  
Greenspring - Launch BA92  
Site alias: Nike Site Towson Launch (MD-412 / C03MD0246)  
Location: Ridge Road, Greenspring

|   |  |  |  |
|---|--|--|--|
| BMI#: MD0951<br>Har Sinai Property<br>Location: 2905 Walnut Avenue,<br>Greenspring  | Mount Wilson Forest Facility<br>Location: Mount Wilson Road,<br>Baltimore  | BMI#: MD0166<br>Relay Mud Slide<br>Location: Woodland Drive and<br>Viaduct Avenue, Relay   | Location: 1204 Reisterstown<br>Road, Pikesville  |
| BMI#: MD0956<br>Highwoods Lot 2 Property<br>Site alias: Former Pikesville<br>Sportsman's Club<br>Location: 11311 Red Run<br>Boulevard, Owings Mills | BMI#: MD1523<br>MPA MESTEK Property<br>Location: 10 Maryland Avenue,<br>Dundalk  | BMI#: MD1177<br>Ridgely Plaza Shopping Center<br>Location: 1752-1776 York Road,<br>Lutherville   | BMI#: MD0288<br>Sun Chemical Corp. - GPI Division<br>Location: 42 Gwynns Mill Court,<br>Owings Mills   |
| BMI#: MD0983<br>Ingleside Cleaners (Off-Site<br>Plume)<br>Location: Adjacent to 808<br>Ingleside Drive, Catonsville                                 | BMI#: MD0444<br>M-V Santa Clara I<br>Location: Baltimore Harbor,<br>Baltimore  | BMI#: MD0383<br>Robert E. Lee Park/Lake Roland<br>Bridge<br>Location: Railroad Marker<br>377+00 To Marker 440+00,<br>Baltimore   | BMI#: MD1207<br>Texas Maintenance Yard<br>Location: 9901 York Road,<br>Cockeysville  |
| BMI#: MD0280<br>J&L Industries Site<br>Location: 6923 Ebenezer Road,<br>Chase   | BMI#: MD0464<br>National Circuit, Inc. - Timonium<br>Location: 110 West Timonium<br>Road, Baltimore  | BMI#: MD1248<br>Roberts Property<br>Site alias: Robert's Trash<br>Location: 3617 East Joppa Road,<br>Parkville   | BMI#: MD0289<br>Thompson Steel Company Inc<br>Location: 4515 North Point<br>Boulevard, Baltimore   |
| BMI#: MD0962<br>Karl Property<br>Location: North Point Road (350<br>feet north of Lodge Farm Road),<br>Dundalk                                      | BMI#: MD0463<br>National Circuits - Pikesville<br>Location: 4 Sherwood Drive,<br>Baltimore   | BMI#: MD0349<br>Safety Kleen Corp - Catonsville<br>Location: 1012 1/2 Leslie<br>Avenue, Catonsville  | BMI#: MD0820<br>Towson City Center<br>Site alias: The Investment<br>Building; One Investment Place<br>Location: 1 Investment Place,<br>Towson  |
| BMI#: MD0845<br>Keywell Property<br>Location: 7600 Rolling Mill Road,<br>Baltimore  | BMI#: MD1470<br>National Circuits Inc - Pikesville<br>Property<br>Location: Park Circle, Towson  | BMI#: MD0188<br>Security Boulevard Site<br>Location: 1718 Belmont Avenue,<br>Baltimore   | BMI#: MD0132<br>Vulcan Materials Metals Div.<br>Site alias: AMG Resources<br>Corporation<br>Location: 2415 Grays Road,<br>Sparrows Point   |
| BMI#: MD0285<br>Koppers Co. - Glen Arm<br>Site alias: United Container<br>Machinery Group<br>Location: 5200 Glen Arm Road,<br>Glen Arm              | BMI#: MD0238<br>O.H. Williamson<br>Location: Williamson Lane, 0.1<br>miles north of Cockeysville,<br>Cockeysville  | BMI#: MD1535<br>SHA Brooklandville Central<br>Laboratory<br>Site alias: 10615 Falls Rd<br>Location: 2323 W. Joppa Road,<br>Lutherville   | BMI#: MD1009<br>Walgreen Store Location #07574<br>Site alias: Ingleside Cleaners,<br>Westview Lounge<br>Location: Southeast corner of<br>Ingleside Avenue and U.S. Route<br>40 (Baltimore National Pike),<br>Catonsville |
| BMI#: MD0309<br>Leo J. Mccourt Dump<br>Location: 4360 North Point<br>Boulevard, Baltimore   | BMI#: MD1530<br>Pit Drum Sites<br>Location: ,  | BMI#: MD1536<br>SHA Brooklandville Satellite<br>Storage Yard<br>Site alias: Salt Barn<br>Location: 10615 Falls Road,<br>Lutherville  | BMI#: MD1125<br>Westview Mall<br>Site alias: Former Lord Baltimore<br>Cleaners<br>Location: I-695 and Route 40,<br>Catonsville   |
| BMI#: MD1521<br>Lynch Cove Run<br>Location: 1799 Merritt Boulevard,<br>Dundalk  | BMI#: MD0880<br>Potts and Callahan Quarry<br>Site alias: Redland Genstar, Inc.,<br>Gwynns Falls Ready Mix, Flintkote<br>Company, Harry T. Campbell &<br>Sons<br>Location: 2902 West Baltimore<br>Street, Baltimore | BMI#: MD1222<br>Signode Eastern Operations/HS<br>Processing Inc.<br>Site alias: Heidtman Steel<br>Products Inc.<br>Location: 4505 North Point<br>Boulevard/2121 Grays Road,<br>Baltimore | BMI#: MD1010<br>Wilkins Beltway Plaza<br>Location: 4600 Wilkins Avenue,<br>Baltimore   |
| BMI#: MD0389<br>Maryvale Preparatory School<br>Location: 11300 Falls Road,<br>Brooklandville  | BMI#: MD0534<br>Pulaski Motors Site<br>Site alias: MD-534<br>Location: 10001 Pulaski Highway,<br>Middle River  | BMI#: MD0080<br>Smuck Dump<br>Location: 4500 Transway Road,<br>Lansdowne   | BMI#: MD1364<br>Yorkridge Shopping Center<br>Location: 30 West Ridgely Road,<br>Lutherville  |
| BMI#: MD1199<br>Meadows Park Shopping Center<br>Location: 6606-6658 Security<br>Boulevard, Baltimore  | BMI#: MD1457<br>Quad Avenue Parcels 17, 19, and<br>218<br>Location: East of 6800 Quad<br>Avenue, Rosedale  | BMI#: MD1538<br>Southern Maryland Oil<br>Location: ,   | BMI#: MD1374<br>Yorktowne Plaza<br>Location: 100 Block Cranbrook<br>Road, Cockeysville   |
| BMI#: MD0277<br>Metals & Residues Processing -<br>Marble Ct<br>Location: 10107 Marble Court,<br>Cockeysville  | BMI#: MD1370<br>Redland Genstar- White Marsh<br>Site alias: White Marsh Plant,<br>White Marsh West Plant<br>Location: 10300 Pulaski Highway,<br>White Marsh  | BMI#: MD1472<br>Sparrows Point Patapsco River<br>Location: Patapsco River,<br>Baltimore  | <b>CALVERT COUNTY</b>  |
| BMI#: MD0276<br>Metals & Residues Processing -<br>Milford Mill<br>Location: 4400 Milford Mill Road,<br>Baltimore                                    | BMI#: MD0331<br>Reister's Property<br>Site alias: Reisterstown Village<br>Tract<br>Location: 34-36 Main Street;<br>Juncion of MD Route 30 and MD<br>Route 40, Reisterstown   | BMI#: MD1106<br>Sudbrook Center  | BMI#: MD1397<br>Calvert Village Shopping Center,<br>Parcel One<br>Location: West Dares Beach<br>Road and MD Route 2 and Route<br>4, Prince Frederick   |
| BMI#: MD1218  |  |  | BMI#: MD1074<br>Chesapeake Ranch Estates   |

Site alias: Rousby Hall Road;  
Lower Compound Adjacent to Rio  
Grande Trail  
Location: Rousby Hall Road and  
Rio Grande Trail, Lusby

#### CAROLINE COUNTY

BMI#: MD0423  
Dave's Reloading and Gun Repair  
Location: 325 Fleetwood Road,  
Denton

BMI#: MD0924  
Former Famous Dry Cleaners  
Location: 114B South Main  
Street, Federalsburg

BMI#: MD1299  
Former Federalsburg Substation  
Location: 616 Academy Avenue,  
Route 307, Federalsburg

BMI#: MD0779  
General Mills Operations, Inc.  
Site alias: Former Pillsbury  
Company  
Location: 300 Reliance Avenue,  
Federalsburg

BMI#: MD1006  
Old Town Barn  
Location: 107 East Central  
Avenue, Federalsburg

BMI#: MD0438  
Old West Denton Dump  
Location: Off River Road, Denton

BMI#: MD0416  
Skipjack Enterprises, Inc.  
Site alias: Skipjack Chemicals  
Location: Route 16, south of  
Route 404, Denton

#### CARROLL COUNTY

BMI#: MD1559  
1201 Poole Road  
Location: 1201 Poole Road,  
Westminster

BMI#: MD1075  
1263 Emerald Ridge Drive  
Location: 1263 Emerald Ridge  
Drive, Westminster

BMI#: MD0345  
3M National Advertising -  
Westminster  
Location: 1030 Baltimore  
Boulevard, Westminster

BMI#: MD0920  
Admiral Cleaners  
Location: 3000 Gamber Road,  
Finksburg

BMI#: MD0467  
Bachman Valley Landfill - Location  
II  
Location: 1920 Bachmans Valley  
Road, Manchester

BMI#: MD1485  
Bachman Valley Tire Dump  
Site alias: Bare/Manchester Tire  
Dump  
Location: 1920 Bachmans Valley  
road, Manchester

BMI#: MD1176  
Carrolltown Center  
Site alias: Carrolltown Mall  
Location: 6400 Ridge Road,  
Eldersburg

BMI#: MD0142  
Catalyst Research  
Site alias: Hoff Property  
Location: 1125 Poole Road,  
Westminster

BMI#: MD0190  
Cranberry Run Substation  
Location: Old Manchester Road  
and B&O Railroad, Westminster

BMI#: MD1077  
Joseph A. Banks Clothiers  
Location: 500 Hanover Pike,  
Hampstead

BMI#: MD0322  
Kate Wagner Landfill  
Location: 1205 Old Westminster  
Road (site entrance), Westminster

BMI#: MD0371  
Lang's Junkyard  
Location: Hanover Pike,  
Hampstead

BMI#: MD0437  
Lehigh Portland Cement  
Location: 117 South Main Street  
(Route 75), Union Bridge

BMI#: MD0320  
North Carroll Shopping Plaza  
Location: Route 30 and Brodbeck  
Road, Hampstead

BMI#: MD0167  
Powmatic  
Location: 2906 Baltimore  
Boulevard (MD Route 140);  
Industrial Park Drive, Finksburg

BMI#: MD0478  
Ray's Auto Parts E.R.  
Location: 7571 Middleburg Road,  
Detour

BMI#: MD0392  
Small Lab Site  
Location: 7606 Patapsco Road,  
Sykesville

BMI#: MD0357  
W. Dorsey Property  
Location: 804 East Ridgeville  
Blvd, Mt. Airy

BMI#: MD0146  
Westminster Plant  
Location: 7-R West George  
Street, Westminster

BMI#: MD0799  
Westminster Shopping Center  
Location: Route 140 and Englar  
Road, Westminster

BMI#: MD0307  
Wolf Hill  
Location: 4214-4311 Wolf Hill  
Road, Hampstead

#### CECIL COUNTY

BMI#: MD1480  
614 Otsego Street (buried drum)  
Location: 614 Otsego Street,  
Perryville

BMI#: MD0156  
Back Creek Rear Range Structure  
- USCG  
Site alias: USCG Back Creek  
Rear Range Structure  
Location: 25 feet square position  
at Welch Point, Chesapeake City

BMI#: MD0385  
Big Elk Chapel Road Landfill  
Location: Big Elk Chapel Road,  
Andora

BMI#: MD0027  
Cecil City Landfill/Cecil County  
Landfill  
Site alias: Old Elk Neck Landfill  
Location: East Of Old Elk Neck  
Road, Elkton

BMI#: MD1495  
Cecil Industrial Park  
Site alias: Triumph industrial  
Park/Trinco Industrial Park  
Location: 801 Blue Ball Road,  
Elkton

BMI#: MD0325  
Central Chemical - Elkton  
Location: Trinco Industrial Park;  
Zeitler Lane off Triumph Industrial  
Park, Elkton

BMI#: MD1497  
Coca Cola Garage (related to MD-  
162)  
Location: ,

BMI#: MD0314  
Crouse Bros. Excavating Inc.  
Location: 415 West Pulaski  
Highway; Route 40 & Route 279,  
Elkton

BMI#: MD0196  
Elkton Gas Light Co.  
Location: South Street and  
Howard Street (formerly Water  
Street), Elkton

BMI#: MD1463  
Firestone Perryville Plant  
Site alias: Ikea Industrial Park  
(VCP)  
Location: Firestone Road,  
Perryville

BMI#: MD1508  
Former Ranger Station  
Location: 127 West Main Street,  
Elkton

BMI#: MD1261  
Herron Area 4  
Site alias: Herron Unit 4  
Location: Herron Farm, portions  
north and south of Zeitler Road,  
west of Blue Ball Rd, Elkton

BMI#: MD0440  
Hog Hill Landfill  
Location: 758 East Old  
Philadelphia Road (Route 7),  
Elkton

BMI#: MD1360  
Ikea Industrial Park (f/k/a  
Woodlands-Coudon, Inc. Site)  
Site alias: Woodlands-Coudon,  
Inc. Site  
Location: Route 7 And  
Woodlands Farm Lane, Perryville

BMI#: MD0439  
Ikea Industrial Park aka  
Occidental Chemical Corporation  
Site alias: Firestone - Perryville  
Plant; Occidental Chemical  
Location: Firestone Road and  
Route 7, Perryville

BMI#: MD1513  
Intercounty Bus Lines  
Location: 513 S. Adams St.,  
Havre de Grace

BMI#: MD1144  
Ionics, Incorporated  
Location: 801 Elkton Boulevard,  
Elkton

BMI#: MD0254  
Iron Hill Road Drum Site  
Location: 117 Iron Hill Road,  
Elkton

BMI#: MD0726  
Jim's Car Care  
Location: 119 Railroad Avenue,  
Elkton

BMI#: MD0259  
Louisa Lane Dump Site  
Location: Off Louisa Lane, one  
mile north of Old Philadelphia  
Road, Charlestown

BMI#: MD0189  
Malmo Farms  
Location: 1445 Cayots Corner  
Road, Chesapeake City

BMI#: MD0074  
Old Elkton Dump  
Location: Jones Chapel Road, 2  
miles west of Elkton, Elkton

BMI#: MD1332  
Port Deposit Coal Gas Plant  
Site alias: Gas House

Location: 88 S. Main Street, Port Deposit

BMI#: MD0455  
Principio Road  
Location: 551 Principio Road, Craigtown

BMI#: MD0369  
Reeves Site  
Location: 360/400 Marley Road, Elkton

BMI#: MD0472  
RMR/JMR Corporation  
Location: 655 North Bridge Street, Elkton

BMI#: MD0099  
Stauffer Chemical  
Site alias: GE Railcar Repair Services (MD-294)  
Location: 505 Blue Ball Road, Elkton

BMI#: MD0451  
Stemmers Run  
Site alias: Stemmers Run Landfill  
Location: Stemmers Run Road; south of Pearce Creek Bridge, Earleville

BMI#: MD1547  
Verizon  
Location: ,

BMI#: MD0402  
Whittaker Trojan Yacht  
Location: Oldfield Point Road, Elkton

#### **CHARLES COUNTY**

BMI#: MD1297  
Bardon, Inc. Waldorf Facility  
Location: 12250 Acton Lane, Waldorf

BMI#: MD1302  
Bryans Road Shopping Center  
Location: 3041-3145 Marshall Hall Road, Bryans Road

BMI#: MD0394  
Dead Trees in a Pond  
Site alias: Dead Trees in a Pond  
Location: North of Route 225 and Route 224; 0.6 miles past corner of Glym, Pisgah

BMI#: MD0317  
Hughesville Tire Site  
Location: Gallant Green Road and Mason Crossing Road, Hughesville

BMI#: MD0215  
U.S. Naval Research Lab - Launch  
Location: Berry Road, Waldorf

#### **DORCHESTER COUNTY**

BMI#: MD0299

Beulah Landfill  
Location: Route 16, 0.5 mile southeast of Beulah, Beulah

BMI#: MD0026  
Cambridge City Disposal Plant WWTP  
Location: 1010 Roselyn Avenue, Cambridge

BMI#: MD0025  
Cambridge Site  
Site alias: Cambridge Arundel Corporation; Part of Deep Harbour (VCP)  
Location: 311 Trenton Street, Cambridge

BMI#: MD0165  
Cambridge Town Gas  
Location: 402-404 Cherry Street, Cambridge

BMI#: MD0342  
Continental Can Co. - USA Plant 24  
Location: 1 Railroad Avenue, Hurlock

BMI#: MD1294  
Deep Harbour  
Site alias: Arundel Corporation, Kerr-McGee; Cambridge Site  
Location: West side of Cedar Street, Cambridge

BMI#: MD0242  
Eastern MD Wood Treating  
Site alias: Eastern Maryland Wood Treating  
Location: 5127 Clarks Canning House Road, Federalsburg

BMI#: MD1034  
Eastern Shore Hospital Center  
Location: U.S. Route 50, Cambridge

BMI#: MD1452  
Sensata Technologies Maryland, LLC (Airpax)  
Site alias: North American Phillips Corporation (NAPC)  
Location: 807 Woods Road, Cambridge

BMI#: MD1543  
Taylor & Casson Property  
Location: ,

BMI#: MD0290  
Western Publishing Co.  
Location: 806 Woods Road, Cambridge

#### **FREDERICK COUNTY**

BMI#: MD0384  
Abramson Property  
Location: 9925 Pine Tree Road, Woodsboro

BMI#: MD0573  
Apples Church Furniture Repair

Location: 212 Apples Church Road, Thurmont

BMI#: MD1494  
Catoctin Power (Eastalco Works Property)  
Site alias: Park of Eastalco Aluminum Co  
Location: 5601 Manor Woods Road, Frederick

BMI#: MD1234  
Dr. Perry Road Site/Octavian Square Complex  
Site alias: Former St. Angelo's Facility  
Location: 9607 Doctor Perry Road, Ijamsville

BMI#: MD1356  
Frederick Board of Education  
Site alias: Frederick Electronics  
Location: 7630 Hayward Road, Frederick

BMI#: MD1328  
Frederick County Public School's Central Office  
Site alias: Parcel G, Lot 1 (The Bean Factory); Part of Frederick Parcel G (BF); Formerly 101A East South Street  
Location: 191 South East Street, Frederick

BMI#: MD1438  
Frederick Revitalization I  
Site alias: Site G; Rogers Homes  
Location: 101A East South Street, Frederick

BMI#: MD0735  
Frederick Shopping Center  
Site alias: Includes Frederick Shell (CHS)  
Location: 1305 West Seventh Street, Frederick

BMI#: MD0356  
Frederick Tool and Die Co Inc  
Location: 579 East Church Street, Frederick

BMI#: MD0980  
Nu-Look Cleaners (Top Cleaners)  
Location: 225 North Church Street, Thurmont

BMI#: MD1271  
Plantronics, Inc  
Site alias: Former Frederick Electronics Facility  
Location: Intersection of Hayward Road and Thomas Johnson Drive, Frederick

BMI#: MD1334  
Rotorex Property, Parcel 325  
Site alias: Fedders Corporation  
Location: 8301-B Retreat Road, Walkersville

BMI#: MD1115  
Schroyer's Recycling Center

Location: 8005 Reichs Ford Road, Frederick

BMI#: MD1537  
Shrodel Farm  
Location: ,

BMI#: MD0250  
Trans Tech/Adamstown Site  
Location: 5520 Adamstown Road, Adamstown

BMI#: MD1383  
Waverly View  
Location: 1831 Shookstown Road, Frederick

#### **GARRETT COUNTY**

BMI#: MD0347  
Bausch & Lomb - Oakland Plant  
Location: Route 135 and Bausch & Lomb Drive, Oakland

BMI#: MD0351  
Harbison Walker Refractories - New Savage  
Location: Box 278, Route 495, Grantsville

BMI#: MD0441  
Umbell Property  
Location: State Highway 42; 7 miles north of Exit 4 on I-68, Friendsville

BMI#: MD0239  
Wood Products  
Location: 8th Street Extended, Oakland

#### **HARFORD COUNTY**

BMI#: MD1211  
1401 Trimble Road  
Location: 1401 Trimble Road, Edgewood

BMI#: MD0077  
Bata Shoe - Main Plant and Landfill  
Location: 4501 Pulaski Highway, Belcamp

BMI#: MD0296  
Bata Shoe (Latex Lagoons)  
Site alias: Association to Belcamp Elementary School  
Location: 4501 Pulaski Highway, Belcamp

BMI#: MD1580  
Beards Hill Plaza Shopping Center  
Site alias: Tartan Cleaners  
Location: 939 Beards Hill Road, Aberdeen

BMI#: MD1194  
Bel Air Town Center  
Site alias: McGill Development Limited Partnership #3  
Location: 502-592 Baltimore Pike, Belair

BMI#: MD0120  
Communis McCorquodale Inc.  
Site alias: McCorquodale Color Card  
Location: 2737 Whiteford Road, Whiteford

BMI#: MD1595  
Cytec Industries Inc. (1 of 2 lots)  
Site alias: Cytec Aerospace Materials, Inc. / Cytec Engineered Materials, Inc / American Cyanamid / Bloomingdale Rubber Company  
Location: 1300 Revolution Street, Havre de Grace

BMI#: MD1596  
Cytec Industries Inc. (2nd of 2 lots)  
Site alias: Cytec Aerospace  
Location: Old Post Road, Havre de Grace

BMI#: MD1503  
Edwards Lane  
Location: 2330 Edwards Lane, Bel Air

BMI#: MD0903  
ESD Scenic Manor Property  
Site alias: Kathy Way; Scenic Manor Drive  
Location: Chapel Road, Havre de Grace

BMI#: MD0973  
Hickory I Complex  
Site alias: Harford County DPW Hickory I Complex  
Location: 2220 Ady Road, Forest Hill

BMI#: MD0387  
I.W. Jenkins - Mountain Road Property  
Location: 2206 Mountain Road, Joppa

BMI#: MD1518  
Kozub Property  
Site alias: Laurel Bush Estates  
Location: Laurel Bush Road, Abingdon

BMI#: MD0461  
Moore Property Landfill  
Location: Bush Road; south of Harris Road, Abingdon

BMI#: MD1525  
Mountain Materials Surface Mine Property  
Location: Orsburn Lane, Joppa

BMI#: MD0403  
Mountain Road Emergency Response  
Location: Mountain Road and I-95, Joppa-magnolia

BMI#: MD0843  
Villages at Highland Commons

Site alias: B. Michael & Sons, Inc.; Baldwin Manor; US Army Barracks for Aberdeen Proving Ground  
Location: 4 Taft Street, Aberdeen

#### HOWARD COUNTY

BMI#: MD0942  
5635 Furnace Avenue  
Location: 5635 Furnace Avenue, Elkridge

BMI#: MD0778  
8235 Patuxent Range Road  
Warehouse  
Location: 8235 Patuxent Range Road, Jessup

BMI#: MD1483  
Adcock Property  
Location: 6043 - 6045 Old Washington Blvd., Elkridge

BMI#: MD1042  
BAC South Parcel  
Site alias: Baltimore Air Coil South Parcel  
Location: 7595 Montevideo Road, Jessup

BMI#: MD1346  
Baltimore Aircoil - Western Drainage Ditch  
Location: Adjacent to 7595 Montevideo Road, Jessup

BMI#: MD1049  
Baltimore Aircoil North Parcel  
Site alias: BAC North Parcel; Montevideo Realty Trust  
Location: 7595 Montevideo Road, Jessup

BMI#: MD0771  
Baltimore Washington Commerce Park  
Site alias: Atlantic Recovery  
Location: 7387-7397 Washington Boulevard, Elkridge

BMI#: MD1288  
Cabinet Discounters Building  
Site alias: 9500 Berger Road; Merritt Diversified Signs / Cabinet Discounters  
Location: 9500 Snowden River Parkway, Columbia

BMI#: MD1114  
Cemetery Lane West  
Site alias: Portion of Cemetery Lane (MD-305)  
Location: Off Meadowridge Road, Northwest of I-95, Elkridge

BMI#: MD0274  
Chesapeake Finished Metals Inc.  
Location: 6754 Santa Barbara Court, Elkridge

BMI#: MD1300  
Columbia Palace 9 Plaza

Location: 8755, 8765, and 8775 Centre Park Drive, Columbia

BMI#: MD1393  
Dorsey's Search Village Center  
Location: 4715,4725,4755,4785 Dorsey Hall Drive, Columbia

BMI#: MD0805  
Former Boise Building Materials Distribution Site  
Site alias: Part of Annapolis Junction Town Center; Furman Lumber Co., Golden Key Homes, Kaiser Automotive  
Location: 8960 Henkels Lane, Annapolis Junction

BMI#: MD1336  
Gales Lane/Finnegans  
Location: 5931 Gales Lane, Columbia

BMI#: MD0717  
Gateway Commerce Center II  
Site alias: General Electric Co (MD-115), Microwave Bldg.  
Location: 6751 Alexander Bell Drive, Columbia

BMI#: MD0115  
General Electric Co.  
Site alias: Includes Gateway Commerce Center II (VCP Site)  
Location: Appliance Park East, Columbia

BMI#: MD0034  
Howard County Landfill  
Site alias: New Cut Landfill  
Location: 4361 New Cut Road, Ellicott City

BMI#: MD1512  
Howard County Public Works (Scaggsville)  
Location: Ten Oaks Road and Clarksville Pike, Clarksville

BMI#: MD0308  
Johns Hopkins Applied Physics Lab  
Location: 11100 Johns Hopkins Road, Laurel

BMI#: MD0465  
Mayfield Repair Facility  
Location: 7751 Mayfield Road, Elkridge

BMI#: MD0330  
Mullinex Farm  
Location: Florence Road and Mullinix Road, Lisbon

BMI#: MD0970  
Oakland Mills Village Center  
Location: 5865 Robert Oliver Place, Columbia

BMI#: MD1437  
Oakmont at Turf Valley

Location: 11030, 11050, 11070 and 11090 Resort Road, Marriottsville

BMI#: MD0126  
Office of the Fire Marshall  
Location: George Howard Building, Ellicott City

BMI#: MD0272  
Olga Nelson Enterprises  
Location: 7269 Washington Boulevard, Elkridge

BMI#: MD1087  
PATS, Inc.  
Location: 9570 Berger Road, Columbia

BMI#: MD1107  
Pecoraro Property/Augustine Valley Residential Lots  
Site alias: Adcock Property  
Location: Old Washington Boulevard, Elkridge

BMI#: MD0417  
Publishers Printing Service Inc  
Location: 10650 Riggs Hill Road, Jessup

BMI#: MD0262  
Scovitch Property  
Location: 9713 Washington Boulevard, Laurel

BMI#: MD0781  
Sun Chemical Facility  
Location: 9025 Junction Drive, Annapolis Junction

BMI#: MD0373  
Tate Access Floors  
Location: 7510 Montevideo Road, Jessup

BMI#: MD0785  
Turf Valley Maintenance Facility - Villages Phase 4  
Location: 2700 Turf Valley Road, Ellicott City

BMI#: MD0826  
Villages at Turf Valley - Phase 1 and 3  
Site alias: Turf Valley Resort  
Location: 2700 Turf Valley Road, Ellicott City

BMI#: MD0326  
Westvaco Corporation  
Location: 11101 Johns Hopkins Road, Laurel

BMI#: MD1143  
Wilde Lake Village Center  
Location: 10451 Twin Rivers Road, Columbia

BMI#: MD1354  
Woodmont Academy  
Location: 2000 Woodmont Drive, Cooksville

**KENT COUNTY**

BMI#: MD1136  
848 High Street  
Location: 848 High Street,  
Chestertown

BMI#: MD1246  
Admiral Cleaners (Former Park  
Rug & Cleaners)  
Site alias: Former Park Rug &  
Cleaners  
Location: 107 North Cross Street,  
Chestertown

BMI#: MD1123  
Beiler Property  
Location: Maryland Line Road,  
Massey

BMI#: MD0469  
Dutch Family Deli Oil Spill  
Location: Route 301 and River  
Road (Route 291), Millington

BMI#: MD1316  
Former Cannon Street Substation  
Site alias: Connectiv  
Location: 100 block Cannon  
Street, Chestertown

BMI#: MD1424  
Former Crop Production Services  
Site alias: Massey & Kilbourne,  
Peerless, Kerr-McGee, AGRICO;  
499 South Cross Street  
Location: 419 Cross Street,  
Chestertown

BMI#: MD0767  
Growmark FS Kennedyville  
Location: 12045 Kennedyville  
Road, Kennedyville

BMI#: MD0454  
Kent Pit  
Site alias: Wilkens Lane Dump  
Location: East of Intersection of  
Cedar Lane and Wilkens Lane,  
Chestertown

**MONTGOMERY COUNTY**

BMI#: MD1051  
19609 Frederick Road  
Location: 19609 Frederick Road,  
Germantown

BMI#: MD1560  
2217-2317 Kansas Avenue and  
2315-2319 Steward Avenue  
Property  
Location: 2217-2317 Kansas  
Avenue and 2315-2319 Steward  
Avenue, Silver Spring

BMI#: MD1369  
5221 River Road  
Location: 5221 River Road,  
Bethesda

BMI#: MD1413  
5420 Butler Road  
Site alias: Friendship

Location: 5420 Butler Road,  
Bethesda

BMI#: MD1371  
5450 Butler Road  
Site alias: Friendship; Butler  
Road Property  
Location: 5450 Butler Road,  
Bethesda

BMI#: MD0883  
8300 Wisconsin Avenue  
Site alias: Trillium Condominium,  
Four Points Sheraton, Bethesda  
Ramada, Governor's House Hotel,  
Wisconsin Tourist Home, Chatters  
Restaurant  
Location: 8300 Wisconsin  
Avenue, Bethesda

BMI#: MD0873  
851 Cromwell Park Dr  
Site alias: 1150 Ripley Street  
Location: 1030, 1046, and 1050  
Ripley Street, Silver Spring

BMI#: MD1558  
Anselmo Property  
Location: 1010 Briggs Chaney  
Road, Silver Spring

BMI#: MD0996  
AT&T/Canada Dry  
Location: 1201 East-West  
Highway, Silver Spring

BMI#: MD1576  
Bethesda Avenue Cleaners  
Location: 4975 Bethesda Avenue,  
Bethesda

BMI#: MD1163  
Briggs Chaney Plaza  
Location: 13800-13881 Outlet  
Drive, Silver Spring

BMI#: MD1179  
Burtonsville Crossing  
Location: 15701-15791 Columbia  
Pike, Burtonsville

BMI#: MD0477  
Cadwallader/North Potomac PCP  
Site alias: Cadwallader  
Residence  
Location: 13801 Turkey Foot  
Road, Gaithersburg

BMI#: MD1308  
Center Property at Fairland  
Site alias: Center Property at  
Fairland (Parcel 340)  
Location: Off Gunpowder Road,  
adjacent to Minnick Industrial  
Park, Burtonsville

BMI#: MD1579  
Churchill Business Center  
Location: 13210-13220 Wisteria  
Drive, Germantown

BMI#: MD0087  
Crystal Cleaners, Inc.

Location: 18526 Woodfield Road  
(Route 124), Gaithersburg

BMI#: MD1204  
Former Bell Cleaners  
Location: 7106 Woodmont  
Avenue and 7008-7034 Wisconsin  
Avenue, Bethesda

BMI#: MD0779  
Former Kodak Processing Plant  
Lot 9A (RAP)  
Site alias: Former Kodak  
Processing Plant Lot 1B, part of  
former Kodak Processing Plt  
(NML)  
Location: 5 Choke Cherry Road,  
Rockville

BMI#: MD0931  
Former Kodak Processing Plant,  
Parcel 1A  
Site alias: Part of NML Site Kodak  
Qualex Photoprocessing  
Location: One Choke Cherry  
Road, Rockville

BMI#: MD0144  
Former Maryland Wood  
Preserving  
Site alias: Maryland Wood  
Preserving Facility  
Location: 235 Derwood Circle,  
Rockville

BMI#: MD1380  
Gaithersburg Square Shopping  
Center  
Location: 460-582 North  
Frederick Avenue, Gaithersburg

BMI#: MD1005  
Gateway Tower  
Location: 401 North Washington  
Street, Rockville

BMI#: MD0882  
Hampshire Langley Shopping  
Center  
Site alias: 7 Brother Cleaners;  
Langley Cleaners  
Location: 1100-1175 East  
University Boulevard, Takoma  
Park

BMI#: MD0939  
Jefferson at Congressional Village  
Site alias: Congressional Airport  
Location: 180 Halpine Road,  
Rockville

BMI#: MD1517  
Kodak Qualex Photoprocessing  
Location: 8101 Snouffer School  
Road, Gaithersburg

BMI#: MD0225  
Laytonsville - Launch Nike W93  
Site alias: Laytonsville Olney  
Launch (C03MD0247)  
Location: 5321 Riggs Road,  
Olney

BMI#: MD0768

Lot 2, Danac Technological Park  
Location: 3 and 5 Choke Cherry  
Road, Rockville

BMI#: MD0787  
Lot 9F(1)  
Site alias: Former Kodak  
Processing Plant, Former Kodak  
Lot 1B, Former Kodak Lot 9A  
Location: 9 Choke Cherry Road,  
Rockville

BMI#: MD0899  
Mallory Square Phase 1  
Location: 9435 Key West Avenue,  
Rockville

BMI#: MD0398  
McCormick Paint Works  
Location: 2355 Lewes Avenue,  
Rockville

BMI#: MD0361  
Microdyne Corp.  
Location: 627 Lofstrand Lane,  
Rockville

BMI#: MD1524  
Montgomery County Country Club  
Site alias: Bethesda Country Club  
Location: 7601 - 7701 Bradley  
Boulevard, Bethesda

BMI#: MD0150  
National Institute of Health  
Location: 9000 Rockville Pike,  
Bethesda

BMI#: MD0407  
National Institute of Standards and  
Technology  
Site alias: National Bureau of  
Standards  
Location: I-270 and Quince  
Orchard Road, Gaithersburg

BMI#: MD1270  
National Park Seminary (2801  
Linden Lane)  
Site alias: Includes a portion of  
the Brownfields site.  
Location: 2801 Linden Lane,  
Silver Spring

BMI#: MD0884  
Northgate Plaza Shopping Center  
Site alias: Aspen Cleaners;  
Northgate Cleaners  
Location: 13830 Georgia Avenue,  
Silver Spring

BMI#: MD1100  
Park Potomac Property -  
Commercial  
Site alias: Parcels O, Q, R, S  
Location: 12500 Park Potomac  
Avenue, Rockville

BMI#: MD1167  
Potomac Place Shopping Center  
Site alias: Crest Cleaners  
Location: 10100-10154 River  
Road, Potomac

BMI#: MD0834  
Potomac Promenade  
Site alias: Potomac Mall;  
Potomac Day Spa; First  
Union/Wachovia/Wells Fargo  
Bank; Giant Food Store #198  
Location: 9812 Falls Road,  
Potomac

BMI#: MD0399  
Proto Circuits  
Location: 14674 Southlawn Lane,  
Rockville

BMI#: MD1571  
Quince Orchard Plaza Shopping  
Center  
Location: SW Corner of  
Intersection of Routes-124  
(Quince Orchard Road) and 117  
(Clopper Road), Gaithersburg

BMI#: MD0898  
Reserve Business Center/Former  
Nike Missile Launch Area  
Site alias: Part of Gaithersburg  
Research Facility (Launch) MD-  
222  
Location: Snouffer School Road,  
Gaithersburg

BMI#: MD0128  
Rixon Inc.  
Location: 2120 Industrial  
Parkway, Silver Spring

BMI#: MD0835  
Rock Creek Village Shopping  
Center  
Site alias: Rock Creek Village  
Cleaners, Village Exxon  
Location: 5500-5576 Norbeck  
Road, Rockville

BMI#: MD1038  
Rockville Metro Plaza  
Site alias: Midtown Shopping  
Center; Also Rockville Metro  
PLaza II East and West  
Location: 151 Rockville Pike,  
Rockville

BMI#: MD0816  
Rockville Metro Plaza II - East  
Parcel  
Site alias: Part of Rockville Metro  
Plaza (VCP)  
Location: 121 Rockville Pike,  
Rockville

BMI#: MD0825  
Rockville Metro Plaza II - West  
Parcel  
Site alias: Part of Rockville Metro  
Plaza (VCP)  
Location: 121 Rockville Pike,  
Rockville

BMI#: MD1263  
Rockville Post Office  
Site alias: Federal Building and  
Post Office  
Location: 2 West Montgomery  
Avenue, Rockville

BMI#: MD0727  
Rockville Town Square I  
Location: 225 North Washington  
Street, Rockville

BMI#: MD1395  
Rockville Town Square II  
Location: 200 East Middle Lane,  
Rockville

BMI#: MD1168  
Self Storage Zone  
Location: 8001 Snouffer School  
Road, Gaithersburg

BMI#: MD0772  
Seven Locks Plaza  
Location: 7817-7825, 7901-7973,  
and 7711-7749 Tuckerman Lane,  
Potomac

BMI#: MD1301  
Shoppes at Centre Pointe  
Location: 822 Rockville Pike,  
Rockville

BMI#: MD1285  
Silver Spring Gateway  
Site alias: CSX Parcel 2, 1139-  
1141 East West Highway  
Location: 1119-1141 East West  
Highway, Silver Spring

BMI#: MD1365  
Silver Spring Redevelopment  
Project  
Location: Howlett's Addition, Lots  
5 - 11 and 19 - 24, Silver Spring

BMI#: MD0426  
Silver Springs Custom Furniture  
Site alias: Silver Spring Furniture  
Service  
Location: 8943 Brookville Road,  
Silver Spring

BMI#: MD1303  
Sugarloaf Shopping Center  
Site alias: Germantown Plaza;  
Germantown Cleaners  
Location: 12933 Wisteria Drive,  
Germantown

BMI#: MD0767  
Talbot Center  
Site alias: Edna's Dry Cleaner  
Location: 1043 Rockville Pike,  
Rockville

BMI#: MD0992  
Travilah Square Shopping Center  
Site alias: Keg and Kork  
Location: 10016-10076  
Darnestown Road, Rockville

BMI#: MD0788  
Upper Rock  
Site alias: Former Kodak  
Processing Plant 1A, Portion of  
Kodak Lot 9A  
Location: 9 and 11 Choke Cherry  
Road, Rockville

BMI#: MD0893  
Used Tire Shop  
Site alias: Al's Transmission  
Location: 649 University  
Boulevard East, Silver Spring

BMI#: MD0360  
Vectrol Inc.  
Location: 1010 Westmore  
Avenue, Rockville

BMI#: MD0401  
Watkins Johnson Co.  
Location: 700 Quince Orchard  
Road, Gaithersburg

BMI#: MD0180  
Weinschel Engineering  
Location: 1 Weinschel Lane,  
Gaithersburg

BMI#: MD0739  
Westwood Shopping Center I  
Site alias: A-4, Plat Book 63, Plat  
No. 5498  
Location: 5350-5460 Westbard  
Avenue, Bethesda

BMI#: MD0842  
Wheaton Apartments  
Site alias: First Baptist Church of  
Wheaton  
Location: 10914 Georgia Avenue,  
Wheaton

BMI#: MD1266  
Wholesale Dry Cleaners  
Location: 7216 New Hampshire  
Avenue, Takoma Park

BMI#: MD0718  
WMATA Parcel MB-278  
(Washington Metro Area Transit  
Authority)  
Site alias: Former National  
Institute of Dry Cleaning, Inc.  
Location: 8021 Georgia Avenue,  
Silver Spring

BMI#: MD1387  
Woodmoor Shopping Center  
Location: 10117 Colesville Road,  
Silver Spring

#### PRINCE GEORGE'S COUNTY

BMI#: MD1318  
(Former) Springhill Lake Cleaners  
at The Springhill Lake Apartment  
Property  
Site alias: Springhill Lakes Dry  
Cleaner; Springhill Lake  
Apartments; Greenbelt Fraternal  
Order of Police (FOP)  
Location: 9230 Springhill Lane,  
Greenbelt

BMI#: MD0963  
10333 Old Fort Road  
Site alias: Besche Oil Facility,  
Toms Friendly Sunoco  
Location: 10333 Old Fort Road,  
Fort Washington

BMI#: MD1583  
2103 Rochell Avenue  
Site alias: Hilltop Apartments;  
Downgradient property for 175  
Cleaners  
Location: 2103 Rochell Avenue,  
District Heights

BMI#: MD1573  
3299 Queens Chapel Road  
Site alias: Standard Pressing  
Location: 3299 Queens Chapel  
Road, Mount Ranier

BMI#: MD1111  
5401 Marlboro Pike  
Location: 5401 Marlboro Pike,  
District Heights

BMI#: MD0807  
Accokeek - Vacant Parcels  
Site alias: Vacant Parcels  
Location: 15909 Hickory Knoll  
Road, Accokeek

BMI#: MD1307  
Addison Road  
Site alias: Addison Road Dump  
Site; Addison Station  
Development  
Location: North of Central  
Avenue, northeast of Adak Street  
and Addison Road, Seat Pleasant

BMI#: MD0828  
Adelphi Plaza  
Site alias: Norge Village  
Cleaners; Norse Village Cleaners  
Location: 2328-2340 University  
Boulevard East, Hyattsville

BMI#: MD0932  
Alta Branch - Phase I  
Location: Capital Gateway Drive,  
Suitland

BMI#: MD0716  
Alta Branch II  
Site alias: Capital Gateway  
Location: Capital Gateway Drive,  
Suitland

BMI#: MD1254  
Americas Body Company, Inc  
(ABC)  
Site alias: Independence Truck  
Equipment  
Location: 6401 Aaron Lane  
(formerly known as 6401 and  
6315 Aaron Lane), Clinton

BMI#: MD1400  
Andrews Manor Shopping Center  
Location: 4913 Allentown Road,  
Camp Springs

BMI#: MD1445  
Antonio Troiano Tile & Marble Co.,  
Inc. / Beltsville Industrial Center  
Location: 10742 Tucker Street,  
Beltsville

BMI#: MD1488  
BARC ENTECH 7: The Granary

Site alias: Beltsville Agricultural Research Center: ENTECH  
Location: South of Powder Mill Road, Beltsville

BMI#: MD0476  
Beaverdam Creek PCB  
Location: Beaverdam Creek from the upper Metro crossing to the confluence of Cabin Branch and Beaverdam C, Landover

BMI#: MD1225  
Best Cleaners  
Location: 794 Harry S Truman Drive, Largo

BMI#: MD0039  
Bladensburg Acetylene  
Site alias: Air Products, Inc  
Location: 2900 52nd Avenue, Hyattsville

BMI#: MD1241  
Bowie Plaza Shopping Center  
Location: 6796-6802, 6906-6940, 6980, and 6990 Laurel Bowie Road (Route 197), Bowie

BMI#: MD0090  
Bowie-Belair Landfill  
Site alias: Browning Ferris Indu  
Belair San Landfill  
Location: Public Works Road via Route 450, Bowie

BMI#: MD0872  
Campbell Building  
Location: 10721 Tucker Street, Beltsville

BMI#: MD0108  
Capitol Wire & Fence  
Location: 3334 Kenilworth Avenue, Hyattsville

BMI#: MD0295  
Celia LUST  
Location: Baltimore Boulevard and Southardt Drive, Beltsville

BMI#: MD1116  
Central Hampton Business Park  
Location: 9244 East Hampton Drive, Capitol Heights

BMI#: MD0266  
Cheltenham Battery  
Location: 10800 Frank Tippet Road, Cheltenham

BMI#: MD0424  
City of Greenbelt, Department of Public Works  
Site alias: Greenbelt Department of Public Works  
Location: 555 Crescent Road, Greenbelt

BMI#: MD1597  
Clinton Cleaners  
Location: 7505 Old Branch Avenue, Clinton

BMI#: MD0251  
Columbia Park Drum Site  
Location: Route 74 and Columbia Avenue, Landover

BMI#: MD0182  
Contee Sand and Gravel  
Location: Virginia Manor Road, Laurel

BMI#: MD0974  
County Plaza Shopping Center  
Site alias: Hilltop Garden Apartments; 175 Cleaners  
Location: 1940 County Road, District Heights

BMI#: MD0230  
Croom - Launch  
Site alias: C03MD0239  
Location: 8520 Duvall Road, Upper Marlboro

BMI#: MD0468  
Croom Military Housing  
Site alias: C03MD0239  
Location: 15494, 15470, 15512 Mount Calvert Road, Upper Marlboro

BMI#: MD1500  
Diplomat Cleaners  
Site alias: Former Diplomat Cleaners  
Location: 15480-15642 Annapolis Road, Bowie

BMI#: MD0443  
Eagle Harbor Tire Fire  
Location: Eagle Harbor Road, Eagle Harbor

BMI#: MD1501  
Eastgate Shopping Center  
Location: 10545 and 10549 Greenbelt Road, Glenn Dale

BMI#: MD1502  
Eco Gardens  
Location: ,

BMI#: MD0170  
Evans Trail Dump Site  
Location: Evans Trail Road off Powder Mill Road, Calverton

BMI#: MD1384  
Greenway Shopping Center  
Location: 7595 Greenbelt Road, Greenbelt

BMI#: MD1331  
Hillcrest Heights Shopping Center  
Location: 2300-2364 Iverson Street, Temple Hills

BMI#: MD1465  
Hyattsville Gas & Electric  
Site alias: Hyattsville Gas Former MGP  
Location: 5022 Rhode Island Avenue, Edmonston

BMI#: MD0200

Hyattsville Gas Former MGP  
Site alias: Washington Gas; Hyattsville Gas & Electric; 4661 Tanglewood Dr  
Location: 4609 Tanglewood Drive, Edmonston

BMI#: MD1407  
Industrial Towel Supply, Inc.  
Site alias: ITSI  
Location: 136 Lafayette Avenue, Laurel

BMI#: MD0836  
Jara Property  
Location: St. Mary's Street and Route 1, Beltsville

BMI#: MD0291  
JL Clark Mfg Co/Stone Industries  
Location: 9207 51st Avenue, College Park

BMI#: MD1439  
Kettering Crossing  
Location: 51-97 Kettering Drive, Upper Marlboro

BMI#: MD1469  
Koppers Co Laurel  
Location: Riverside Drive, Laurel

BMI#: MD0040  
Koppers Co. Dumpsite - Laurel  
Location: 13501 Baltimore Avenue (Route 1), Laurel

BMI#: MD0953  
Lanham Center Property  
Location: 9005-9039 Lanham Severn Road, Lanham

BMI#: MD1037  
Laurel Building Supply  
Site alias: C.F. Shaffer Lumber Company, Inc.; MTA Laurel MARC Station, Parking Lot B  
Location: 100 Main Street (also 108 2nd Street, 114 2nd Street, 114 2nd Street and 145 Main Street), Laurel

BMI#: MD1613  
Laurel Commerce Center  
Location: 14709, 14711, 14713 Baltimore Avenue, Laurel

BMI#: MD0311  
London Hills Development  
Location: End of Highmount Lane, Capitol Heights

BMI#: MD1453  
McDonald Strosnider Transmissions  
Location: 7596 Annapolis Road, Hyattsville

BMI#: MD1165  
Mini Shopping Center  
Location: 5946 Martin Luther King, Jr. Highway, Capitol Heights

BMI#: MD0910

Northhampton, City of Largo  
Site alias: Haverford Homes (Brownfields Site)  
Location: Harry Truman Drive and Mt. Lubentia Road, Largo

BMI#: MD1296  
Office Depot Shopping Center  
Location: 123 Bowie Road, Laurel

BMI#: MD0171  
Old Fort Road Site  
Location: 11920 Old Fort Road, Piscataway

BMI#: MD1112  
Old Forte Village Shopping Center  
Location: 970 East Swan Creek Road, Fort Washington

BMI#: MD1105  
Osborne Shopping Center  
Site alias: Official Cleaners  
Location: 7575 Southwest Crain Highway, Upper Marlboro

BMI#: MD0853  
Osborne Shopping Center Parcel G  
Location: 7610 South Osborne Road, Upper Marlboro

BMI#: MD1170  
Oxon Hill Plaza  
Location: 6105-6263 Livingston Road, Oxon Hill

BMI#: MD0913  
Penn Forest Shopping Center  
Location: 3300 Walters Lane, District Heights

BMI#: MD0979  
Penn Forest Shopping Center Off-Site Plume  
Site alias: 3401 Walters Lane Property  
Location: 3401 Walters Lane, District Heights

BMI#: MD1324  
Penn Station Shopping Center  
Site alias: Penn Station Cleaners (5562)  
Location: 5550, 5663, 5718 and 5736 Silver Hill Road, District Heights

BMI#: MD1350  
PG Contractors Leasehold Facility  
Location: 5411 Kirby Road, Clinton

BMI#: MD0127  
Piscataway WWTP  
Location: Route 1 Farmington Road, Accokeek

BMI#: MD1333  
Pointer Ridge Plaza Shopping Center  
Site alias: Modern Laundry, Pointer Ridge Cleaners, Admiral Cleaners

Location: 1300 NW Crain Hwy,  
Mitchellville

BMI#: MD1243  
Prince George's County Vehicle  
Impoundment Lot  
Location: 4920 Ritchie-Marlboro  
Road, Upper Marlboro

BMI#: MD1372  
Riverdale Plaza  
Location: 5601-5851 Riverdale  
Road and 5603 Kenilworth Ave,  
Riverdale

BMI#: MD0445  
Rogers Electric  
Location: 5720 Columbia Park,  
Cheverly

BMI#: MD0935  
Rosecroft Shopping Center  
Location: 3201-3297 Brinkley  
Road, Temple Hills

BMI#: MD1277  
Sargent Road Shopping Center  
Site alias: Festival Laundry, 5613  
Sargent Road, Post Laundromat  
Location: 5601-5615 Sargent  
Road, Hyattsville

BMI#: MD0833  
Silver Hill Plaza  
Location: 5812-5870 Silver Hill  
Road, Forestville

BMI#: MD0358  
William Pleasant Site  
Location: 10100 Block Allentown  
Road, Friendly

BMI#: MD0393  
Windsor Manor Road Site  
Site alias: Upper Marlboro  
Township  
Location: 12020 Windsor Manor  
Road, Upper Marlboro

#### QUEEN ANNE'S COUNTY

BMI#: MD1390  
Collins Electric/Johnson Property  
Site alias: Johnson Property  
Location: Old Love Point Road,  
Stevensville

BMI#: MD0459  
Tom Dodd Sporting Clays Site  
Location: 620 Tom Dodd Farm  
Lane, Queenstown

#### SOMERSET COUNTY

BMI#: MD0425  
Beitzel Cabinet and Millwork  
Location: Broad Street, Princess  
Anne

BMI#: MD0287  
Sherwin Williams - Crisfield  
Site alias: The Rubberset  
Company

Location: 26466 Silver Lane;  
Route 413, Crisfield

#### ST. MARY'S COUNTY

BMI#: MD1178  
Bardon, Inc. Hollywood Facility  
Site alias: Genstar Stone  
Location: 23350 Three Notch  
Road, California

BMI#: MD0185  
California Drum Site  
Location: St. Andrews Church  
Road, California

BMI#: MD1529  
Pax River ROW  
Location: ,

BMI#: MD0135  
Southern Maryland Wood Treating  
Site alias: Southern MD Wood  
Treating  
Location: Route 235 across from  
Joy Lane, Hollywood

BMI#: MD0256  
Springer Septic Service  
Location: Route 238 and  
Chaptico Hurry Road, Chaptico

BMI#: MD0375  
St. Mary's Salvage  
Location: 43966 Commerce  
Avenue, Hollywood

BMI#: MD1311  
St. Mary's Square Shopping  
Center  
Location: 21600 Great Mills  
Road, Lexington Park

#### TALBOT COUNTY

BMI#: MD1417  
Chesapeake Publishing Company  
Site alias: Durolith  
Location: 29088 Airpark Drive,  
Easton

BMI#: MD0519  
D & B Products  
Location: 28825 Llandaff Road,  
Easton

BMI#: MD0199  
Easton Gas & Light Co.  
Location: 1 South West Street,  
Easton

BMI#: MD0281  
Easton Utilities Commission -  
Plant No. 1  
Site alias: Easton Utilities  
Commission Muni Elec  
Location: 219 North Washington  
Street, Easton

BMI#: MD0282  
Easton Utilities Commission -  
Plant No. 2  
Site alias: Easton Utilities  
Commission Power Plant

Location: Airport Industrial Park,  
Easton

BMI#: MD0723  
Marlboro Avenue Property  
Site alias: Admiral Cleaners Store  
#67; Pad Site of Tred Avon  
Square Shopping Center  
Location: 220 Marlboro Avenue,  
Easton

BMI#: MD0125  
Noble Motor Rebuilders  
Location: 350 North Aurora  
Street, Easton

BMI#: MD0743  
The Contractor Yard, Inc  
Site alias: Moore's Lumber &  
Building Supply, Inc  
Location: 8401 Ocean Gateway,  
Easton

#### WASHINGTON COUNTY

BMI#: MD0346  
Angstrohm Precision Inc.  
Location: 18400 Precision  
Place(formerly 1 Precision Place),  
Hagerstown

BMI#: MD0442  
Central Chemical Corp. (Office)  
Site alias: Combined with MD-302  
Location: 49 North Jonathan  
Street, Hagerstown

BMI#: MD0396  
Certain Teed Metals  
Location: 290 Governor Lane  
Boulevard, Williamsport

BMI#: MD0094  
Chevron Chemical Co. -  
Williamsport  
Location: Old Boonsboro  
Road/Artisan Ave, Williamsport

BMI#: MD0298  
Chewsville Coop  
Location: Main Street, Chewsville

BMI#: MD0397  
Danzer Metal Works  
Location: 17500 York Road,  
Hagerstown

BMI#: MD1003  
Engineering Polymer Solutions,  
Inc.  
Site alias: Formerly a Part of  
Rustoleum; Rust-o-leum (MD-348)  
Location: 16414 Industrial Lane,  
Interstate Industrial Park,  
Williamsport

BMI#: MD0036  
Former Koppers Company  
Site alias: Koppers Co. -  
Hagerstown  
Location: 100 Clair Street,  
Hagerstown

BMI#: MD0475

Franklin Spickler Property  
Location: Greencastle Pike  
(Route 63) at Mount Zion Church,  
Maugansville

BMI#: MD0777  
Hagerstown Shopping Center  
Location: 607-619 Dual Highway,  
Hagerstown

BMI#: MD0771  
Lion Ribbon Company Inc. a/k/a  
C.M. Offray  
Location: 857 Willow Circle,  
Hagerstown

BMI#: MD0870  
Long Meadow Shopping Center  
Location: Oak Hill Avenue,  
Hagerstown

BMI#: MD0797  
Lowe's Flatbed Distribution Center  
Site alias: Part of Former Koppers  
Co.; Maryland Wood Preserving  
Co.; Century Wood Preserving  
Co.  
Location: 990 Wesel Boulevard,  
Hagerstown

BMI#: MD0078  
Mack Trucks Inc.  
Site alias: Formerly 1999  
Pennsylvania Avenue  
Location: 13302 Pennsylvania  
Avenue, Hagerstown

BMI#: MD0121  
Magnus Company Inc  
Location: Elizabeth Street,  
Hagerstown

BMI#: MD1252  
Maryland Metals, Inc.  
Location: 449 Antietam Drive,  
Hagerstown

BMI#: MD0876  
MP Moller, Inc. (Blue Mountain  
Woodworks)  
Location: 403 North Prospect  
Street, Hagerstown

BMI#: MD0329  
Newell Enterprises, Inc  
Location: 18604 Leslie Drive,  
Hagerstown

BMI#: MD0348  
Rustoleum Corp.  
Site alias: Includes Engineering  
Polymer Solutions (VCP Site);  
Rust-o-leum  
Location: Governor Lane  
Boulevard and Industrial Lane,  
Williamsport

BMI#: MD1217  
SHA - Western Regional Lab  
Location: U.S Route 40 West and  
MD Route 144, Hagerstown

BMI#: MD0906  
Southern Ionics Incorporated

Site alias: Part of Sun Chemical (MD-400)  
Location: 10319 Grumbacker Lane, Williamsport

BMI#: MD0400  
Sun Chemical Corp GPI Div.  
Site alias: Includes Southern Ionics Incorporated (VCP)  
Location: 10319 Grumbacker Lane; Industrial Lane, Williamsport

BMI#: MD0151  
W.D. Byron and Sons Inc.  
Location: 312 North Conococheague Street; Fenton Ave, Williamsport

BMI#: MD1548  
Waggoner Property  
Location: 18124 Oak Ridge Road, Hagerstown

BMI#: MD0418  
West Manufacturing Co.  
Location: 910 Eldridge Drive, Hagerstown

#### **WICOMICO COUNTY**

BMI#: MD0093  
125 Bateman Street  
Site alias: Chevron Chemical Co. - Salisbury (MD-093)  
Location: 125 Bateman Street, Salisbury

BMI#: MD0321  
Adams Co. And Son Inc.  
Location: Northwood Drive and Arlington Road; Northwood Industrial Park, Salisbury

BMI#: MD0300  
Blackwater Solid Waste Transfer Station  
Location: Waller Road; 4 miles west of Delmar, Delmar

BMI#: MD0374  
Chesapeake Shipbuilders Inc.  
Location: 710 Fitzwater Street, Salisbury

BMI#: MD1145  
Former School Street Substation  
Site alias: Connectiv  
Location: School Street (Mack Avenue) and Lake Street, Salisbury

BMI#: MD0861  
Goodwill Store  
Location: 700 South Salisbury Boulevard, Salisbury

BMI#: MD0047  
Grigco Waste Oil  
Location: 500 Water Street, Sharptown

BMI#: MD0237

Long-Life Treated Wood  
Location: Old Railroad Road, Hebron

BMI#: MD1102  
River Harbor  
Site alias: The Village Down River; a portion of MD-377  
Location: Riverside Drive East, Salisbury

BMI#: MD0377  
River Harbor Development  
Site alias: Includes River Harbor (VCP)  
Location: Riverside Drive East, Salisbury

BMI#: MD0327  
Salisbury Marketing Inc.  
Location: 106 Bridgeview Street, Salisbury

BMI#: MD1035  
Wawa Food Market  
Location: 668-682 South Salisbury Boulevard, Salisbury

#### **WORCESTER COUNTY**

BMI#: MD0083  
Bishop Processing  
Site alias: Bishopville Industrial; Bishopville Commercial  
Location: 16053 Old Stage Road, Bishopville

BMI#: MD1047  
Campbell Soup Property  
Location: 1947 Clarke Avenue Extended, Pocomoke City

BMI#: MD1349  
Connectiv Ocean City District Office  
Site alias: Delmarva Power Ocean City District Office  
Location: 8403 Coastal Highway, Ocean City

BMI#: MD0912  
Former Snow Hill Substation  
Location: Bay Street, Snow Hill

BMI#: MD0795  
Noble Furniture Repair  
Site alias: Noble Furniture Repair & Antique Restoration  
Location: 5512 Snow Hill Road, Snow Hill

BMI#: MD1310  
Tyson Chicken, Inc.  
Site alias: Tyson Foods, Hudson Foods, Corbett Enterprises  
Location: 9943 Old Ocean City Boulevard, Berlin

BMI#: MD0376  
West Ocean City Landfill  
Location: Lewis Road; 2.3 miles from Route 50, Berlin