



Department of the Environment

ANNUAL ENFORCEMENT AND COMPLIANCE REPORT



Fiscal Year 2009

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SECTION ONE
REPORT BASIS AND SUMMARY
INFORMATION

ANNUAL ENFORCEMENT AND COMPLIANCE REPORT FISCAL YEAR 2009

Statutory Authority and Scope

Environment Article §1-301(d) enacted in 1997 (see Appendix II 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 of MDE's regulatory compliance programs, 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 2009 results. A table in Section One compares the historical annual Department-wide performance measures from FY 1998 – 2009. 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. The supporting materials, including relevant MDE policies, are in Section Three, the Appendix.

EXECUTIVE SUMMARY

The Maryland Department of the Environment's (MDE) thirteenth Enforcement and Compliance Report for Fiscal Year 2009 (July 2008-June 2009) reports data from MDE's enforcement and compliance programs in the Air and Radiation Management, Waste Management, and Water Management Administrations, and 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 and is part of an ongoing commitment to continuous process improvement.

Maintaining a steady and 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" management process monitors compliance and enforcement activities in each Administration. MDE shares information with the public about enforcement activities to maximize the deterrence value of each enforcement action.

During FY 2009, MDE provided regulatory oversight for 117,421 regulated entities. The decrease from 257,744 in the FY 2008 report to 117,421 in this report is primarily due to a more accurate counting of registered properties in the Lead Poisoning Prevention Program that eliminated some double counting of sites. MDE inspected 17% more sites in FY 2009 than it did in FY 2008 and performed very similar numbers of inspections, audits, and spot checks. The number of enforcement actions increased by 7% over FY 2008. The increase reflects primarily enforcement actions related to drinking water and radiological health. Based on the significant increase in enforcement in the previous year and the workload related to the deployment of an electronic record-keeping system for water inspectors, it was anticipated that maintaining the same level of inspection and enforcement activity would be a challenge. Although there was a decline in the number of inspections and compliance assistance activity due to inspectors' shift of focus to deployment of the new electronic reporting system, the program was able to increase the number of audits and enforcement actions taken.

This year, penalties collected from environmental violators totaled \$6,516,601. The increase of \$2,546,326 from FY 2008 is largely due to a \$4 million settlement in one enforcement case.

MDE's increased enforcement activity has created a much larger workload for the attorneys assigned by the Office of the Attorney General to MDE. In calendar year 2007, MDE referred approximately 340 enforcement cases for legal action; in CY 2009, MDE referred 816 cases, an increase of 140%. Because legal staffing has not kept pace, many of these cases are still awaiting action by MDE's attorneys; as of January 1, 2010, 325 cases awaited assignment to, legal filings by, or active attention from, MDE's legal staff.

Refer to MDE's website (<http://www.mde.state.md.us>) for the latest information on enforcement actions and other compliance activities.

MDE PERFORMANCE MEASURES EXECUTIVE SUMMARY

	2008 Totals	2009 Totals
<u>PERMITTED SITES/FACILITIES</u>		
Number of Permits/Licenses Issued	11,463	10,043
Number of Permits/Licenses in Effect at Fiscal Year End	100,206	92,960
<u>OTHER REGULATED SITES/FACILITIES</u>		
Total Sites	257,744	117,421*
<u>INSPECTIONS</u>		
Number of Sites Inspected	44,161	51,587
Number of Sites Audited But Not Inspected	12,794	17,421
Number of Inspections, Audits, Spot Checks	122,389	122,079
<u>ENFORCEMENT ACTIONS</u>		
Number of Compliance Assistance Rendered	11,443	14,412
Number of Enforcement Actions Taken	2,699	2,901
<u>PENALTIES</u>		
Amount of Administrative or Civil Penalties Obtained	\$3,970,275**	\$6,516,601
Supplemental Environmental Projects	28 (\$677,419)	15 (\$304,100)

* Previous years' reports cited a larger number of regulated entities, but this year's number reflects better tracking and more accurate data for the Lead Poisoning Prevention Program.

** The 2008 penalties for Sewage sludge were incorrectly reported as \$0 in last year's report. The correct amount was \$1,500. This total includes the \$1,500.

ENFORCEMENT WORKFORCE

	Workforce					
	Compensation*		Inspectors**		FTE Vacancies***	
	FY 2008	FY 2009	FY 2008	FY 2009	FY 2008	FY 2009
Air/Radiation	\$2,839,235	\$3,385,895	44	49	3	7.3
Waste	\$3,663,013	\$3,860,144	55	62	5	5.5
Water	\$2,892,037	\$3,164,632	41.5	46.4	6	9.5
Total	\$9,394,285	\$10,410,671	140.5	157.4****	14	22.3

* "Compensation" includes wages plus 28% fringe for permanent employees and 8% fringe for contractual employees. 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.

**** The increase in positions directly results from increases in air permit fees and new fees for wetlands and coal combustion by-products.

SECTION 1-301(d) PENALTY SUMMARY

TOTAL AMOUNT OF MONEY DEPOSITED AS A RESULT OF ENFORCEMENT ACTIONS AS REQUIRED BY SECTION 1-301(d)*	FY 2008	FY 2009
Clean Air Fund (includes Air Quality and Asbestos)	\$1,075,313	\$522,450
Clean Water Fund (includes Water and Waste Management)	\$1,729,024	\$680,208
Hazardous Substance Control Fund	\$34,881	\$60,750
Non-tidal Wetland Compensation Fund	\$13,500	\$6,200
Oil Disaster Containment Clean Up and Contingency Fund	\$126,100	\$4,484,806
Recovered from Responsible Parties (under §7-221)**	\$72,357	\$87,000
Sewage Sludge Utilization Fund***	\$1,500	\$2,500
Total	\$3,052,675	\$5,843,914

* 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 \$6,464,401.

** 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.

***The 2008 penalties for Sewage sludge were incorrectly reported as \$0 in last year's report. The correct amount was \$1,500.

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

MDE PERFORMANCE MEASURES ANNUAL SUMMARY

FY 1998 - 2002

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

* 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 2003 - 2009

MDE Performance Measure	2003	2004	2005	2006	2007	2008	2009
PERMITTED SITES/FACILITIES							
Number of Permits/Licenses issued	11,988	11,264	10,799	10,737	10,455	11,463	10,043
Number of Permits/Licenses in effect at Fiscal Year End	69,831	75,729	73,155	77,721	77,041	100,206	92,960
OTHER REGULATED SITES/FACILITIES							
Other Sites	197,529	204,873	222,673	239,612	253,715	257,744	117,421*
INSPECTIONS *							
Number of Sites Inspected	33,048	43,434	43,722	55,294	47,723	44,161	51,587
Number of Inspections, Audits, Spot Checks	98,550	106,845	103,586	115,977	107,496	122,389	122,079
ENFORCEMENT ACTIONS							
Number of Compliance Assistance Actions Rendered	14,120	18,646	10,953	11,067	10,158	11,443	14,412
Number of Enforcement Actions Taken	2,311	1,856	1,395	1,946	2,011	2,699	2,901
PENALTIES							
Amount of Penalties Obtained (\$)**	2,321,563	1,781,526	1,631,054	2,803,685	2,248,131	3,970,275	6,516,601

* Inspections:

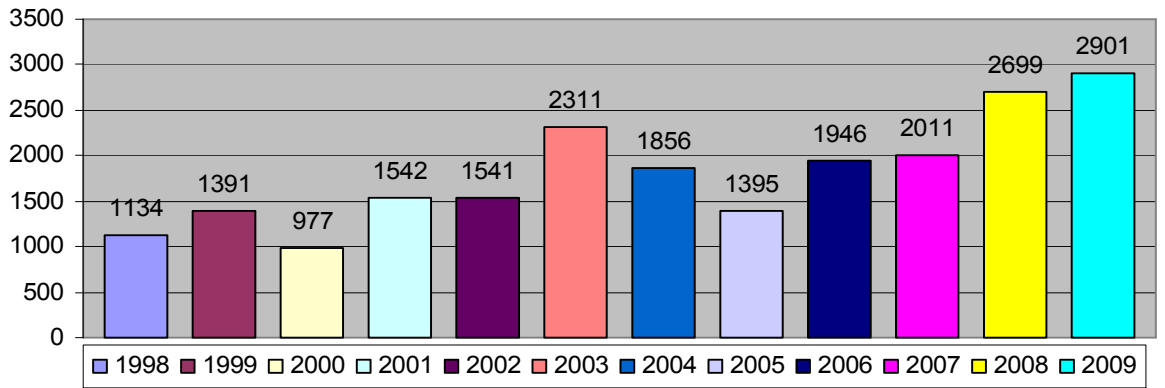
Number of Sites Inspected: The number of individual sites physically visited and inspected for compliance.

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.

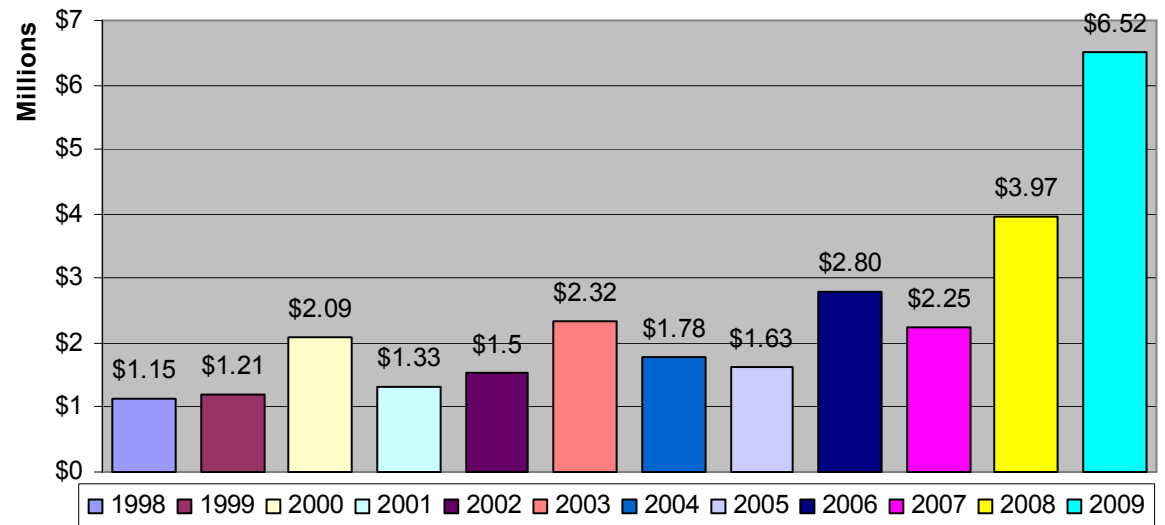
Each individual site can be inspected by several programs or by one program more than once, so the former is always less than the latter.

** 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 1998-2009



MDE Penalty Amounts (\$) 1998-2009



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

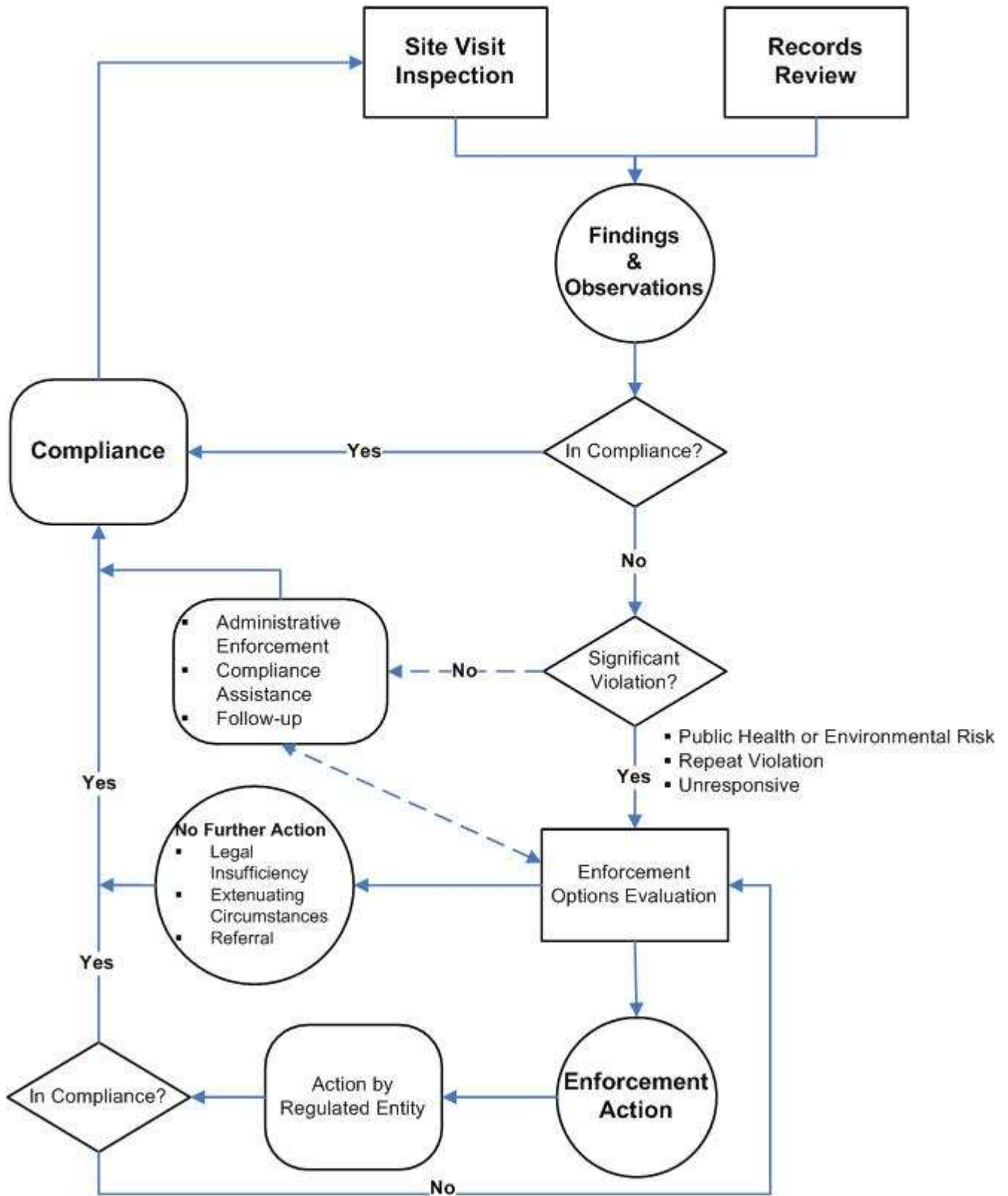
The Enforcement and Compliance Process

MDE's air, water and waste enforcement and compliance processes were established separately. 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 a company 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. 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 Enforcement Policy 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 15 SEPs during FY 2009 with a total value of \$304,100. These SEPs involved the replacement of lead-contaminated windows in 101 rental properties.

Administration	Number of SEPs		Total Value of SEPs	
	2008	2009	2008	2009
Air and Radiation Management Administration	2	0	\$205,000	\$0
Waste Management Administration	26	15	\$472,419	\$304,100
Water Management Administration	0	0	\$0	\$0
TOTALS	28	15	\$677,419	\$304,100

Details about these SEPs can be found in Appendix III.

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” has the advantage of being measurable, and objectively verifiable by a third party.

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.state.md.us>) provides additional information that businesses may use to determine compliance with environmental requirements:

- MDE maintains the Guide to Environmental Permits and Approvals, which provides detailed information about each of MDE’s permit types.

- MDE has made a number of permit applications and instructions for completing them 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.state.md.us/AboutMDE/enfcomp.asp>

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 28 enforcement areas within the 15 programs that are the subject of this report. MDE's three media administrations conduct the vast majority of enforcement actions taken by MDE:

Air: This includes air pollution and radiation programs.

Waste: This includes oil control, solid and hazardous waste management, sewage sludge utilization, scrap tire recycling, lead poisoning prevention, natural wood waste recycling, and Superfund remediation programs.

Water: This includes drinking water, tidal and non-tidal wetlands, wastewater discharges, coal and mineral mining, oil and gas exploration and production, 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 can be found on page 23.

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 Enforcement Procedure, effective October 1, 2007 further clarifies this definition and can be found in Appendix II.

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 which require 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.
- It is a mistake to infer that only environmental/health violations are significant and technical/preventive are not significant. Either 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 2009 PERFORMANCE MEASURES CHART

Performance Measure	TOTAL		
1. PERMITTED SITES/FACILITIES			
2. Number of permits/licenses issued			
3. Number of permits/licenses in effect at fiscal year end			
4. OTHER REGULATED SITES/FACILITIES			
5. (other sites)			
6. (other sites)			
7. (other sites)			
8. (other sites)			
9. INSPECTIONS			
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)			
16. COMPLIANCE PROFILE			
17. Number of inspected sites/facilities with significant violations			
18. % of inspected sites/facilities with significant violations			
19. Inspection coverage rate (number of sites inspected/coverage universe)			
20. SIGNIFICANT VIOLATIONS			
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)			
25. DISPOSITION OF SIGNIFICANT VIOLATIONS			
26. Resolved			
27. Ongoing			
28. ENFORCEMENT ACTIONS			
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			
35. PENALTIES			
36. Amount of administrative or civil penalties obtained (\$ collected in FY)			

**AIR AND RADIATION MANAGEMENT
ADMINISTRATION**

Air and Radiation Management Administration Executive Summary

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

In the Air Quality Program, ensuring compliance at the approximately 600 high-impact sources continues to consume a large portion of the Program's resources. 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.

Low-impact facilities continue to be an area where only a small percentage of sources are inspected. This is due to the large numbers of these sources. In this arena, the Air Program continues to focus on vapor recovery systems at gas stations, as well as dry cleaners. There are about 1,700 gas stations subject to vapor recovery requirements to limit emissions of volatile organic compounds, a ground-level ozone precursor. The Air Program also continues to focus on ensuring compliance with federal air toxics requirements at dry cleaners.

The Air Quality Program continues to receive a large number of air quality complaints, receiving 528 in FY 2009. The Program responds to all complaints by telephone, prioritizing 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 Program, 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. The number of asbestos notifications received in FY 2009 was 2,669.

The Radiological Health Program (RHP) regulates both human-made electronic sources of radiation and materials that are radioactive. The RHP ensures that the general public does not receive unnecessary radiation regardless of its many uses. Successes in FY 2009 include the continued implementation, through the licensing and inspection process, of additional increased security controls for those licensees with quantities and types of radioactive materials that if stolen would pose a national 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 country; Maryland's implementation of the National Source Tracking System; and implementation of training of state and local personnel to assure statewide preparedness for a nuclear utility accident. In FY 2009 the number of enforcement actions taken for violations related to radiation machines increased. Increased enforcement has resulted in a trend of increased compliance and that positive trend is expected to continue.

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

	<u>2008 Totals</u>	<u>2009 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>		
Number of Permits/Licenses Issued	1,370	1,934
Number of Permits/Licenses in Effect at Fiscal Year End	28,313	28,882
<u>OTHER REGULATED SITES/FACILITIES</u>		
Other Regulated Sites	4,156	3,438
<u>INSPECTIONS</u>		
Number of Sites Inspected	3,891	4,107
Number of Sites Audited but not inspected	948	849
Number of Inspections, Audits, Spot Checks	10,758	10,167
<u>ENFORCEMENT ACTIONS</u>		
Number of Compliance Assistance Rendered	1,841	954
Number of Enforcement Actions Taken *	207	622
<u>PENALTIES</u>		
Amount of Administrative or Civil Penalties Obtained	\$1,234,958	\$1,077,577

* 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. Combined, this group of about 600 sources includes facilities such as large industrial operations, paper mills, 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.

SUCSESSES/CHALLENGES

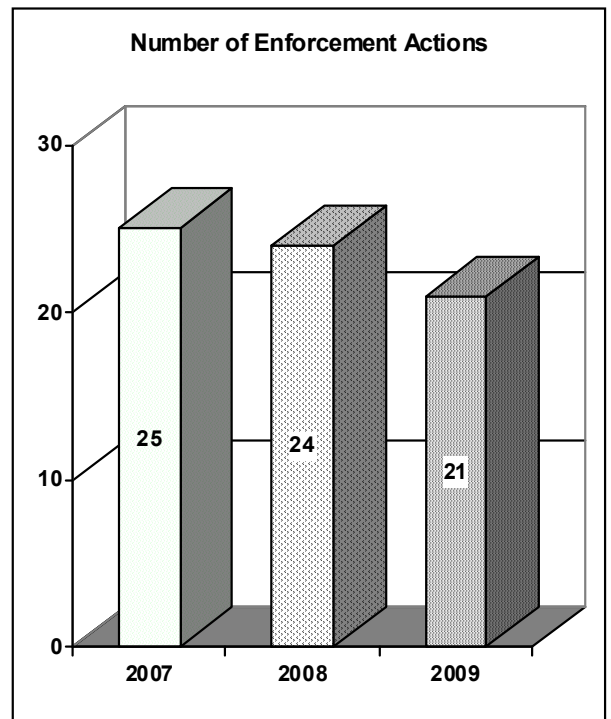
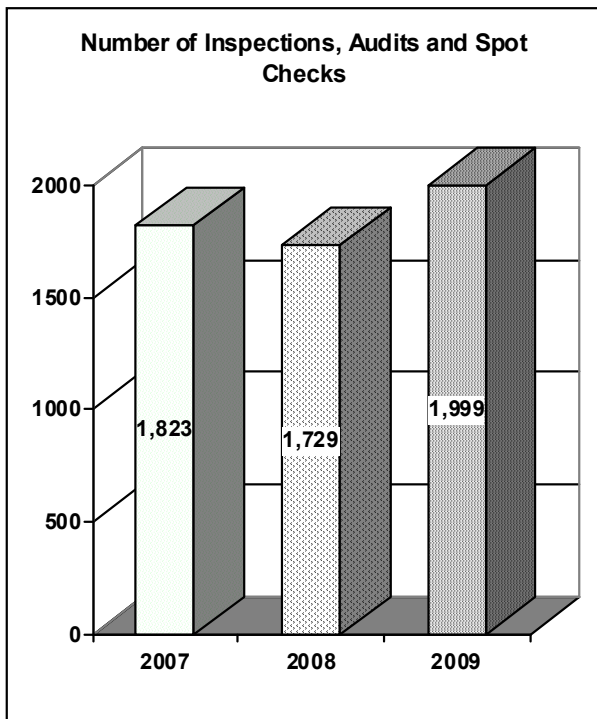
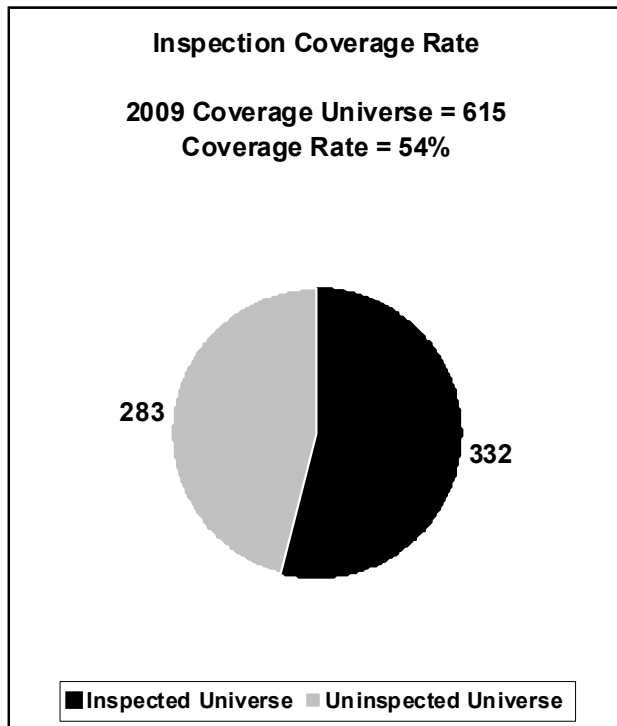
Ensuring compliance at high-impact sources continues to consume a large portion of the Air Quality Compliance Program's resources. In addition to on-site inspections the Program reviews compliance certifications, report submittals, stack test results, sampling results, and continuous monitoring summaries to assess compliance at regulated facilities.

Due to the large number of sources, low-impact facilities continue to be an area where only a small percentage of sources are inspected. In this arena the Air Program continues to focus on Stage II vapor recovery systems at gas stations, as well as dry cleaners. There are about 1,700 gas stations subject to Stage II requirements to limit emissions of volatile organic compounds, a ground-level ozone precursor. The Air Program is also focusing on ensuring compliance with federal air toxics requirements at dry cleaners.

Ambient Air Quality Control High-Impact Facilities

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of sites/facilities			615
Number of permits/licenses issued			246
Number of permits/licenses in effect at fiscal year end			3,913
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)			332
Number of sites audited but not inspected			144
Number of sites evaluated for compliance			476
Number of inspections, spot checks (captures number of compliance activities at sites)			743
Number of audits (captures number of reviews of file/submittals for compliance)			1,386
Number of inspections, audits, spot checks			1,999
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			18
% of inspected sites/facilities with significant violations			4%
Inspection coverage rate (number of sites inspected/coverage universe)			54%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			23
Number of significant violations based on technical/preventative deficiencies			15
Number of significant violations carried over awaiting disposition from previous fiscal year			18
Total number of significant violations			56
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			15
Ongoing			41
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			56
	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	5	12	17
Number of referrals to Attorney General for possible criminal action			1
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$433,000

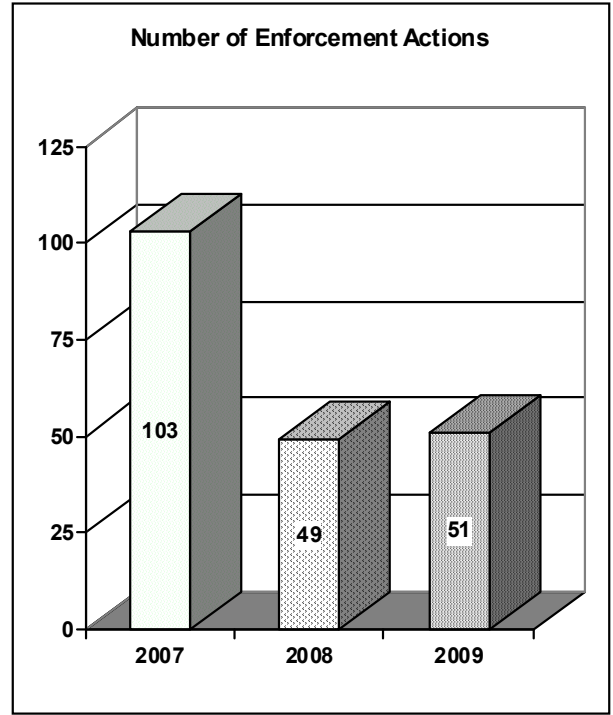
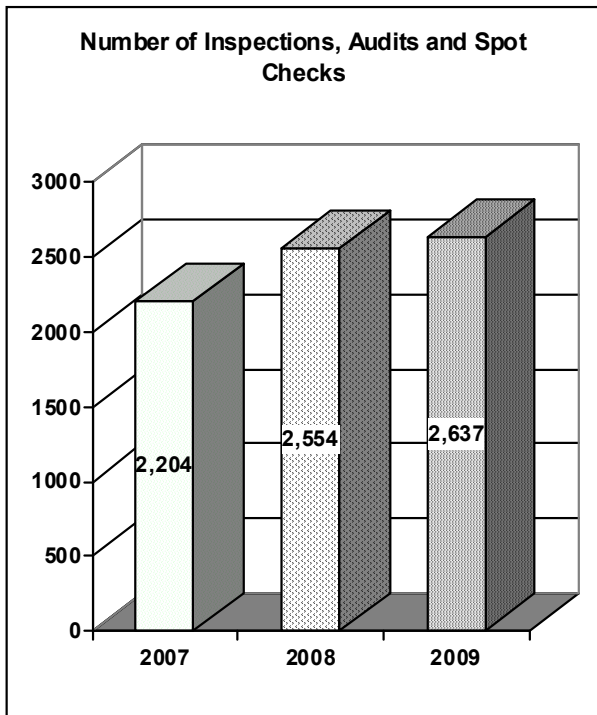
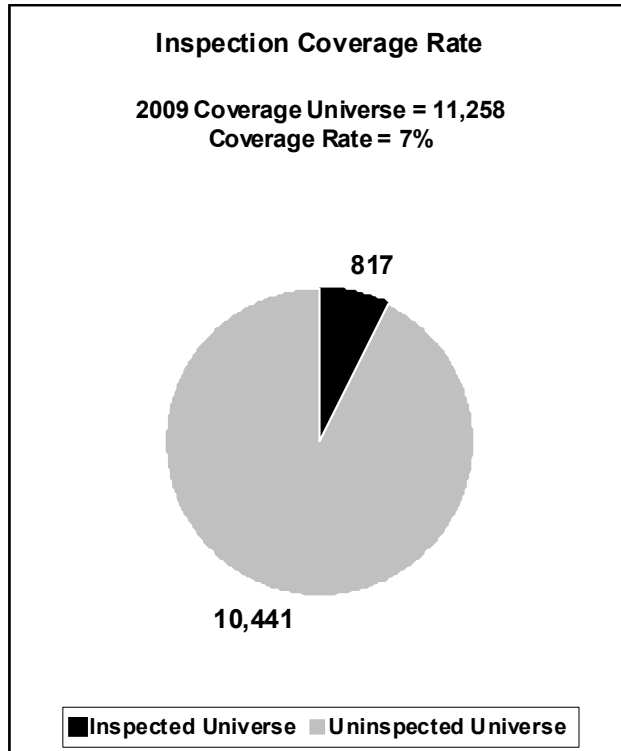
Ambient Air Quality Control High-Impact Facilities



Ambient Air Quality Control Low-Impact Facilities

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of sites/facilities	11,258
Number of permits/licenses issued	744
Number of permits/licenses in effect at fiscal year end	19,362
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	817
Number of sites audited but not inspected	705
Number of sites evaluated for compliance	1,522
Number of inspections, spot checks (captures number of compliance activities at sites)	966
Number of audits (captures number of reviews of file/submittals for compliance)	1,671
Number of inspections, audits, spot checks	2,637
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	33
% of inspected sites/facilities with significant violations	2%
Inspection coverage rate (number of sites inspected/coverage universe)	7%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	14
Number of significant violations based on technical/preventative deficiencies	19
Number of significant violations carried over awaiting disposition from previous fiscal year	7
Total number of significant violations (sum of the three measures above)	40
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	18
Ongoing	22
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	114
	Administrative Civil/Judicial Total
Number of show cause, remedial, corrective actions issued	12 0 12
Number of stop work orders	0 0 0
Number of injunctions obtained	0 0 0
Number of penalty and other enforcement actions	36 3 39
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$72,450

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. 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 could then generate a need to conduct 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.

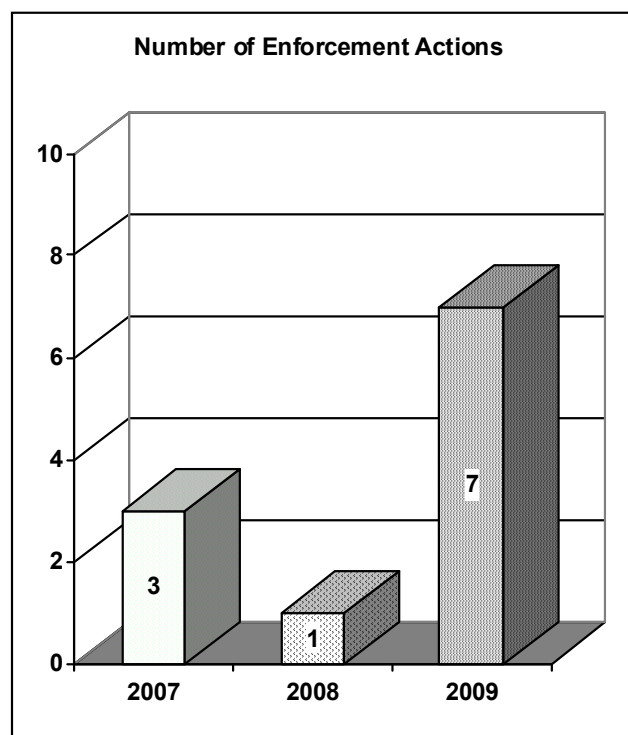
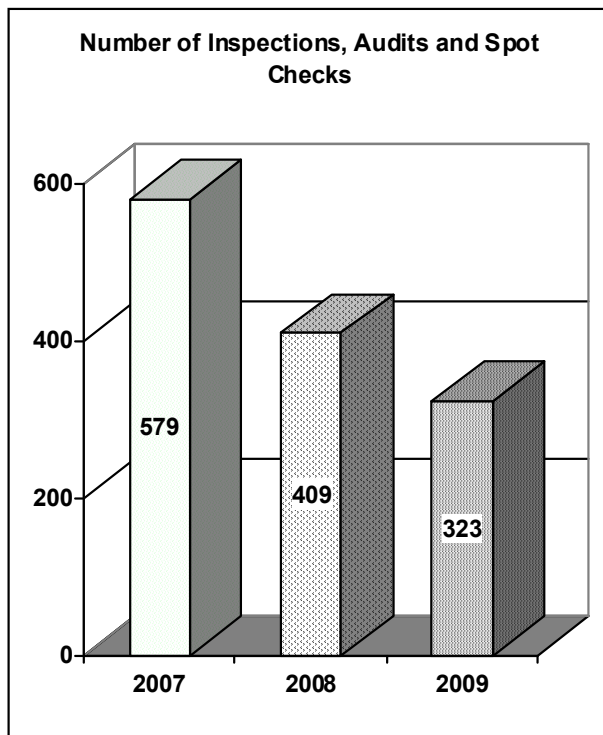
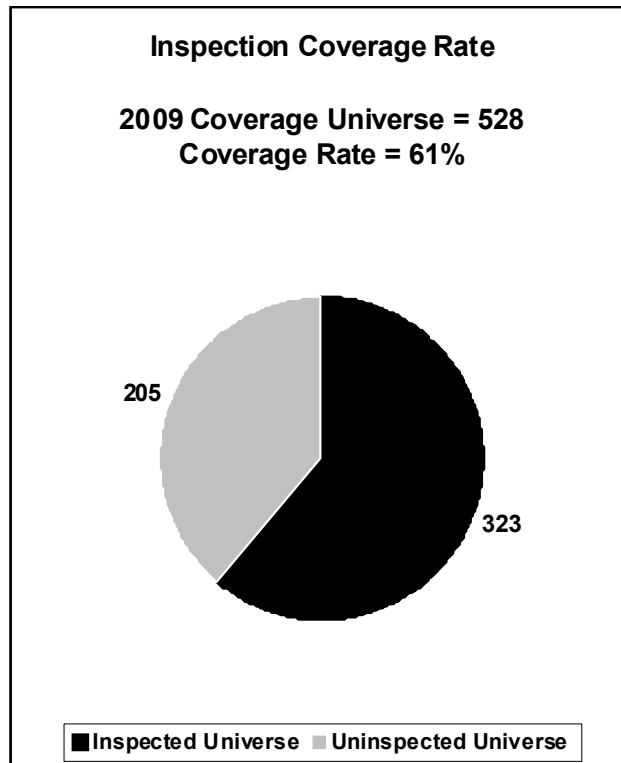
SUCSESSES /CHALLENGES

The Air Quality Compliance Program received 528 complaints in FY 2009. The Program responds to all complaints by telephone, prioritizing those that actually receive a field inspection. This year 61% of complaints received by the Air Program were followed up with an on-site 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 need follow-up enforcement action to achieve compliance. This year, seven enforcement actions were initiated in response to air quality complaints.

Air Quality Complaints

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
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
OTHER REGULATED SITES/FACILITIES	
Complaints received at all sites	528
Complaints received at unregistered/unpermitted sites	392
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	219
Number of inspections, spot checks (captures number of compliance activities at sites)	317
Number of Initial complaint inspections at all sites	323
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	5
% of inspected sites/facilities with significant violations	2%
Inspection coverage rate (number of sites inspected/coverage universe)	61%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	5
Number of significant violations based on technical/preventative deficiencies	0
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
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	4
Ongoing	8
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	15
	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	6 0 6
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$5,750

Air Quality Complaints



Asbestos

PURPOSE

The Air Quality Compliance Program manages the licensing of asbestos removal contractors and oversees their efforts when removing or encapsulating asbestos to assure 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 safety 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 similarly 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 strict safety standards designed to protect workers and the public from exposure to asbestos.

SUCCESSSES/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 2009, the Program inspected 24% of sites that provided notification to MDE. The number of notifications received in FY 2009 was 2,669, compared to 3,283 in FY 2008.

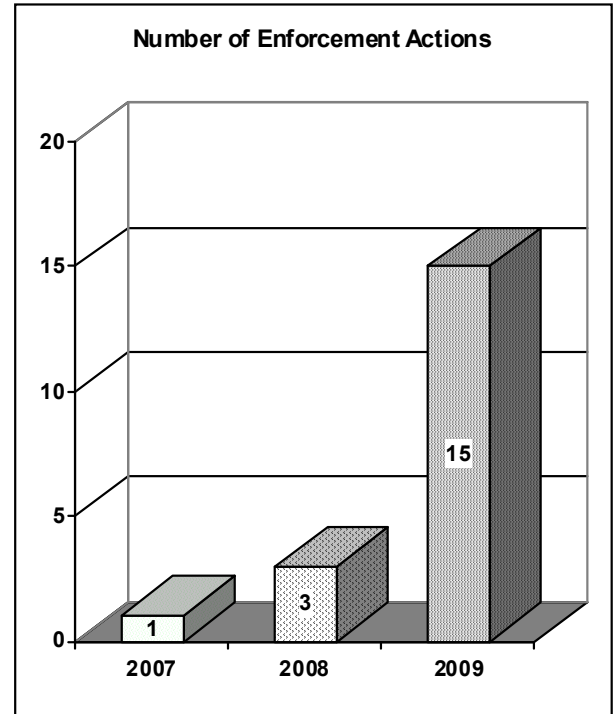
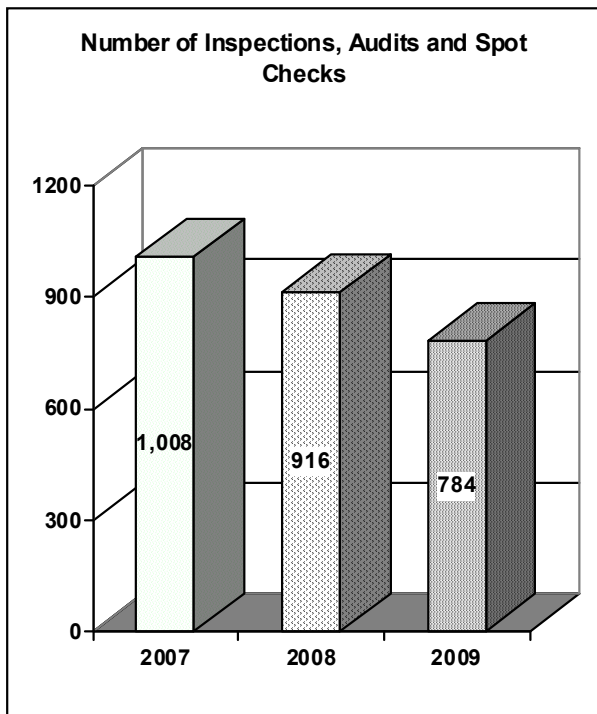
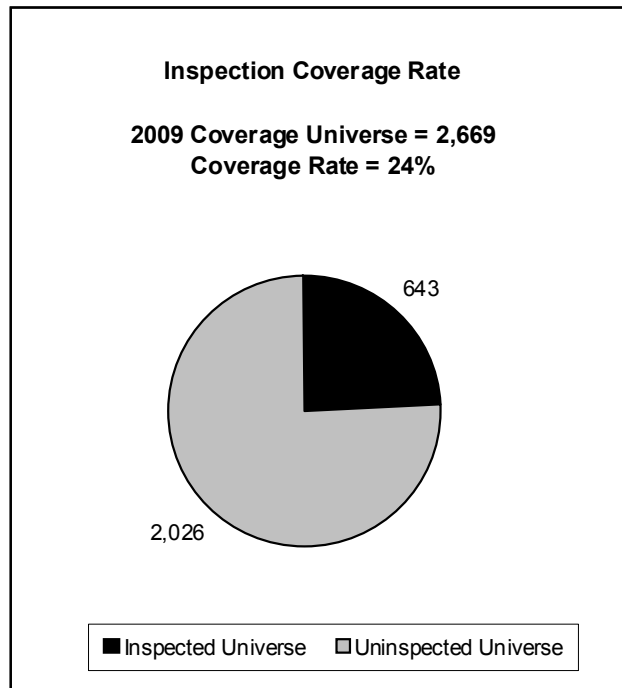
INSPECTION COVERAGE RATE

The inspection coverage rate is computed as the number of sites inspected divided by the number of notifications received. Note that the Program 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 Program is required by state law to annually inspect at least one asbestos removal project by each contractor. The Program meets this requirement.

Asbestos

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of permits/licenses issued (Asbestos Contractor Licenses)	147
Number of permits/licenses in effect at fiscal year end	143
OTHER REGULATED SITES/FACILITIES	
Number of Asbestos Notifications Received	2,669
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	643
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)	643
Number of inspections, spot checks (captures number of compliance activities at sites)	784
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)	784
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	10
% of inspected sites/facilities with significant violations	1%
Inspection coverage rate (number of sites inspected/coverage universe)	24%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	39
Number of significant violations based on technical/preventative deficiencies	3
Number of significant violations carried over awaiting disposition from previous fiscal year	32
Total number of significant violations (sum of the three measures above)	74
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	33
Ongoing	41
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	11
	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	15 0 15
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$11,250

Asbestos



Radiological Health Program (RHP)

Radiation Machines Division

PURPOSE

The Radiation Machines Division 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 requirements, require that all radiation exposures be “As Low As Reasonably Achievable” (ALARA). Radiation exposure can cause adverse health effects, with risk depending upon the amounts of radiation received, frequency of radiation exposures, and radio-sensitivity of body parts. Although the medical benefits of diagnostic and therapeutic treatment procedures far outweigh potential risks of sustained biological damage, evidence supports the supposition that receiving numerous small exposures over time has a cumulative health effect and may be as detrimental as receiving a single large exposure. Documented human health impacts from radiation machine procedures are on the rise due to the increased use of fluoroscopic x-ray procedures and computed tomography (CT) devices that in many cases replace invasive surgical procedures that were used in traditionally non radiological medical specialties.

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 division ensures all radiation machine facilities are inspected on cycles required by statute, regulation, administrative policy or contract-mandated frequencies. While mammography inspection reports are provided to the FDA for follow-up enforcement actions, the FDA’s response is 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.

SUCCESSSES/CHALLENGES

Effective April 1, 2009, the division approved, with conditions, the use of handheld dental devices. The conditions also reflect the philosophy that they should be allowed for use only in a setting where other options are not readily available or not practical (nursing homes, home health care, special needs patients, hospitals, or sedated patients), otherwise conventional portable devices (non-handheld) should be adequate for use. The use of the handheld devices in

dental offices where conventional units are utilized or in a school environment for screening purposes is not currently authorized.

The division's procedure to assess fines for violations at the time of inspection has increased the number of enforcement actions. This has resulted in an overall increase in compliance with the greatest increase being observed in medical facilities. The division will work with the regulated community regarding health issues and expects the trend of increased compliance to continue.

Following a misadministration or an overexposure at a registered facility, the division will continue to attend all Radiation Safety Committee Meetings. These meetings mandated by a Departmental Order provide a forum to adequately address public health concerns and discuss the facilities' radiation safety procedures.

The chart below shows the types of facilities regulated by the division listed in terms of radiation machine type or purpose and the frequency at which they are inspected. For clarity, please note that the words machine and tube are used interchangeably. (See below).

Facility Type	Registered X-ray Tubes*	Inspection Frequency
High Energy & Particle Accelerators	4 facilities, 4 Certified Tubes	Annual
Medical (Therapy) Accelerators	41 facilities, 65 Certified Tubes	Annual
Hospitals	62 facilities, 1,169 Certified Tubes	Biennial
Physicians: Chiropractic, MD, GP, Podiatric	1,262 facilities, 1,778 Certified Tubes	Biennial
Industrial	249 facilities, 499 Certified Tubes	Triennial
Dental	2,717 facilities, 9,302 Tubes	Triennial
Veterinary	435 facilities, 559 Tubes	Triennial
Mammography (MQSA)	129 facilities, 185 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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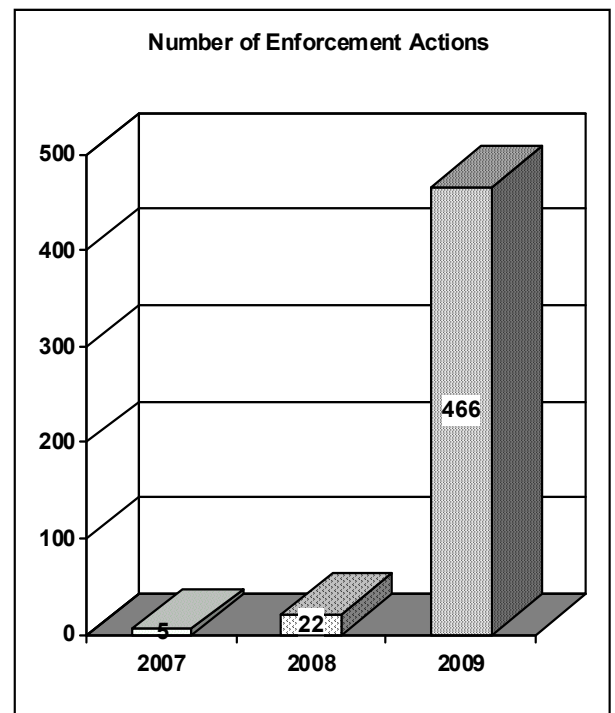
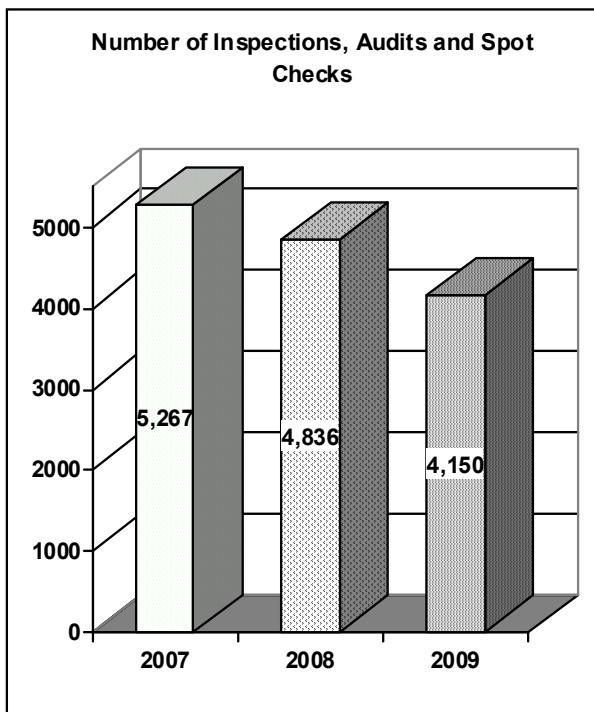
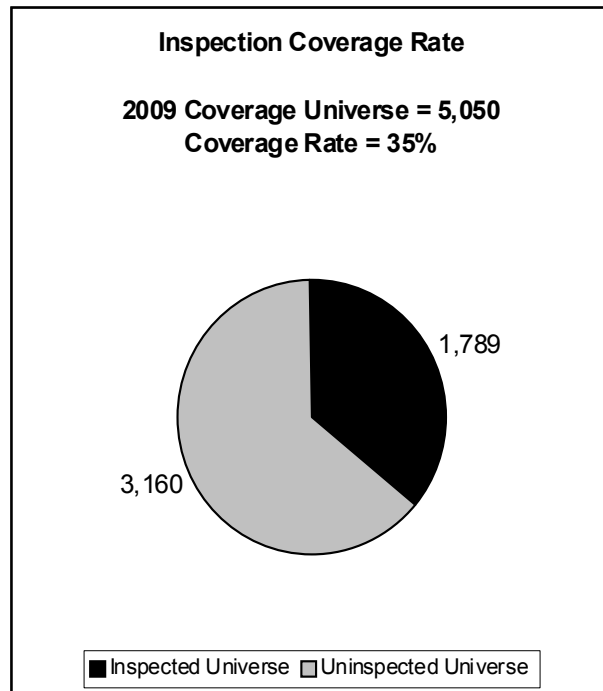
Radiation Machines

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of new facility registrations issued	235
Number of facility registrations in effect at fiscal year end	4,833
OTHER REGULATED SITES/FACILITIES	
Number of service companies registered at fiscal year end *	129
Number of licensed private inspectors at fiscal year end *	88
Number of plan review or area surveys reviewed at fiscal year end *	123
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	1,789
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)	1,789
Number of inspections, spot checks (captures number of compliance activities at sites)	4,150
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,)	4,150
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	448
% of inspected sites/facilities with significant violations	25%
Inspection coverage rate (number of sites inspected/coverage universe) **	35%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	0
Number of significant violations based on technical/preventative deficiencies	754
Number of significant violations carried over awaiting disposition from previous fiscal year	104
Total number of significant violations (sum of the three measures above)	858
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	584
Ongoing	274
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	58
	Administrative Civil/Judicial Total
Number of show cause, remedial, corrective actions issued	20 0 20
Number of stop work orders	0 0 0
Number of injunctions obtained	0 2 2
Number of penalty and other enforcement actions	444 0 444
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$310,512

* Measure added in FY 2002

** 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. Plan reviews were not considered since each of those should be at sites that would be included as permitted sites.

Radiation Machines Program



Radioactive Materials Licensing and Compliance

PURPOSE

The Radioactive Materials Licensing and Compliance Division (RAMLCD) issues and inspects specific radioactive material licenses to 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). RAMLCD 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. 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 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 and may range from annual to every five years, with possible modification for licensees with a poor compliance history. Corrective actions are required immediately and are verified by formal licensee responses and 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 Division performs inspections on at least 25% of the most hazardous radiation operations conducted in Maryland by out-of-State licensees under reciprocal recognition of their licenses.

SUCCESSSES/CHALLENGES

Successes in FY 2009 include the continued implementation, through the licensing and inspection process, of additional 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, and the device registration, of a complex sealed source medical device prior to allowing the use and sale of the device across the country;

Maryland's implementation of the National Source Tracking System; and training of state and local personnel to assure statewide preparedness for a nuclear utility accident. Challenges include the further evaluation and implementation of increased security for radioactive material in Maryland and continued outreach and education of Maryland citizens regarding the actual hazards of ionizing radiation.

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:

Inspection Frequency	Number of Licenses	Examples of License Types
Annual	12	Academic & Medical Research Nuclear Pharmacies Gamma Knife (cancer therapy) Remote Afterloader (cancer therapy) Industrial Radiography
2 Years	48	Mobile Medical Vans
3 Years	131	Hospitals Brachytherapy (cancer therapy) Medical Offices
5 Years	440	Fill/Density Gauges Nuclear Pacemakers 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

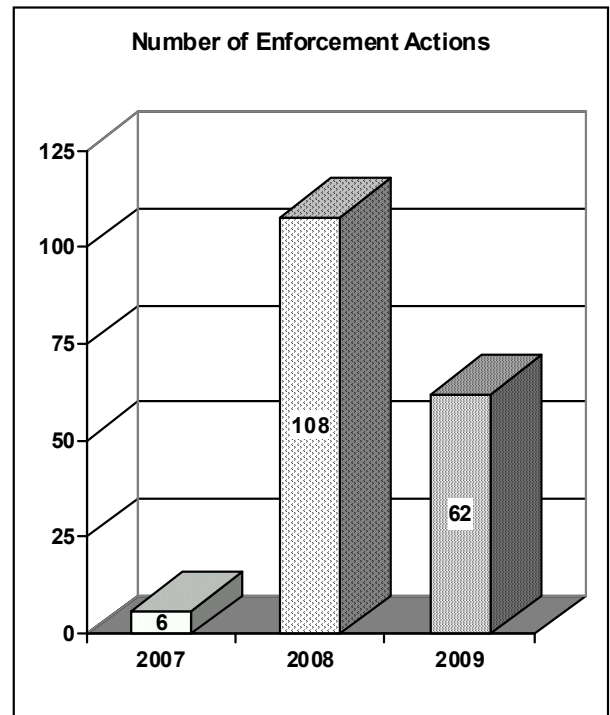
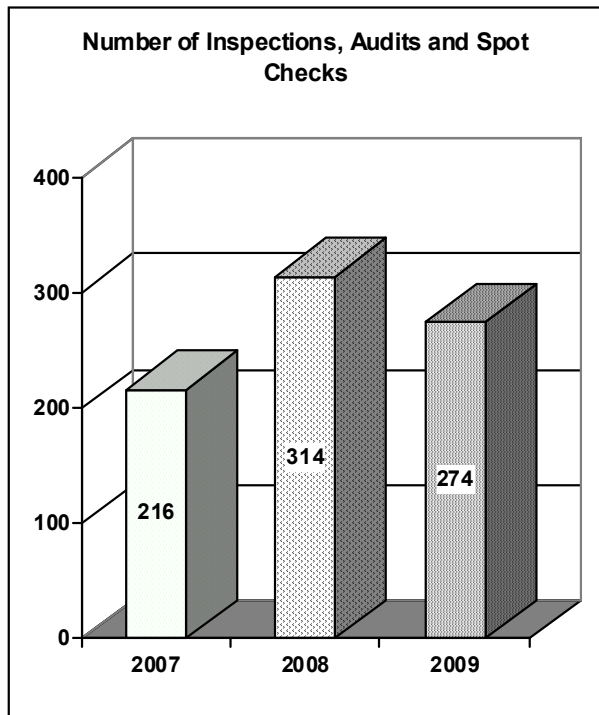
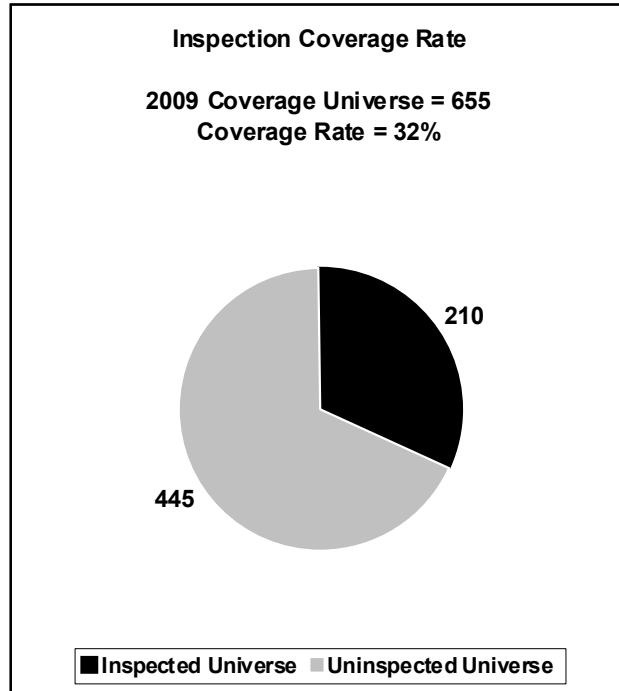
Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued			562
Number of permits/licenses in effect at fiscal year end			631
OTHER REGULATED SITES/FACILITIES			
Sources from Other Jurisdictions			24
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)*			210
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)			210
Number of inspections, spot checks (captures number of compliance activities at sites)			274
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)			274
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			16
% of inspected sites/facilities with significant violations			6%
Inspection coverage rate (number of sites inspected/coverage universe)**			32%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			2
Number of significant violations based on technical/preventative deficiencies			53
Number of significant violations carried over awaiting disposition from previous fiscal year			3
Total number of significant violations (sum of the three measures above)			58
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			58
Ongoing			0
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			700
	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			
Number of penalty and other enforcement actions	58***	4	62
Number of referrals to Attorney General for possible criminal action			2
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$244,615

* 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 number includes Notices of Violation issued for non-significant violations.

Radioactive Materials



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WASTE MANAGEMENT ADMINISTRATION

EXECUTIVE SUMMARY

The Waste Management Administration's responsibilities range from addressing underground storage tanks and lead paint to groundwater contamination and solid and hazardous waste management at municipal landfills, military bases, large industrial complexes, and farms.

In FY 2009, the number of sites inspected and the number of site inspections conducted increased as compared to FY 2008. The total number of inspections, spot checks and audits increased by 2% in FY 2009 as compared to FY 2008. Compliance assistance actions increased by 45% and enforcement actions decreased by 33% in FY 2009. The number of permits and licenses in effect decreased by 14% and the number of other regulated sites/facilities decreased by 39%.

The Hazardous Waste Program ensures protection of public health and the environment from releases of hazardous waste. In FY 2009, there were 20 permitted Treatment, Storage, and Disposal (TSD) facilities in Maryland. Waste minimization activities by generators of hazardous waste continue to result in reducing the need for treatment, storage and disposal of hazardous waste. The number of inspections, audits, and spot checks in the Hazardous Waste Program increased in FY 2009 to 448 from 366 in FY 2008. While all the TSD facilities were inspected in FY 2009, only 1.38% of the total facilities that generate hazardous waste were inspected in FY 2009, down slightly from 1.56% in FY 2008.

In the Lead Poisoning Prevention Program, the percentage of children statewide with blood lead levels equal to or greater than 10 micrograms per deciliter decreased from 1.2% in FY 2007 to 0.8% in FY 2008, a decrease for the fourteenth consecutive year. The total number of inspections, audits and spot checks increased slightly from 28,995 in FY 2008 to 30,065 in FY 2009. In FY 2008, the number of enforcement actions reduced to 732 from 870 in FY 2007. Many of the enforcement actions continue to result in multiple-property or global settlements.

During this reporting period, there was a decrease in identified oil-contaminated subsurface sites in the Oil Control Program (OCP) from 1,619 in FY 2008 to 1,424 in FY 2009, the fourth consecutive year of decrease. This may be attributable to Program's prioritization of workload and sustained effort to move cases toward closure. The number of above-ground oil storage facilities inspected increased from 331 in FY 2008 to 458 in FY 2009, although the number of inspections decreased from 969 in FY 2008 to 729 in FY 2009. Spill response activities maintained to 248 in FY 2009. The incidence of spills may increase over time as above-ground tanks statewide age and tank integrity declines. The number of underground storage tank sites inspected decreased in FY 2009 to 1,409 from 1,516 in FY 2008. However, due to OCP's private third-party inspection program and the filling of staff vacancies, the number of inspections increased rapidly in recent years from just 399 in FY 2006 to 1,516 in FY 2008. Subsequently, the enforcement activities, which had more than doubled from 80 in FY 2007 to 170 in FY 2008, decreased to 47 in FY 2009.

The Solid Waste Program is responsible for overseeing Refuse Disposal, Scrap Tires, Sewage Sludge Utilization, and Natural Wood Waste Recycling activities in the State. In the refuse disposal function, the inspection coverage rate for permitted facilities was maintained during FY 2009 at 100%. The Solid Waste Program's number of refuse disposal site

inspections decreased during FY 2009 to 889 from 1,032 in FY 2008 with visits to 273 sites. The enforcement actions decreased from 66 in FY 2008 to 47 in FY 2009. A total of 38 significant violations were resolved in FY 2009 compared to 67 in FY 2008.

The Program continued the cleanup of scrap tire stockpiles, with 80 stockpiles and approximately two million scrap tires remaining to be cleaned up. New stockpiles are still discovered every year, and during FY 2009 a total of 31 new sites were discovered. A total of 38 stockpiles were cleaned up in 2009, resulting in removal of 21,456 scrap tires. There was a decrease in the numbers of scrap tire site inspections conducted from 834 in FY 2008 to 765 in FY 2009. In addition, there were 3,316 audits performed, which resulted in the increased cumulative count of 4,081 inspections and audits. The number of scrap tire enforcement actions decreased to 249 in FY 2009 from 435 in FY 2008, and the number of significant violations resolved nearly doubled from 107 in FY 2008 to 201 in FY 2009.

There were no enforcement actions related to unpermitted land application of sewage sludge in the State during FY 2009. The Program's number of inspections increased to 555 during this reporting period compared to 501 in FY 2008. Enforcement actions in FY 2009 decreased to ten from 17 in FY 2008.

**Waste Management Administration
Performance Measures Executive Summary**

	<u>2008 Totals</u>	<u>2009 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>		
Number of Permits/licenses Issued	2,995	2,939
Number of Permits/Licenses in Effect at Fiscal Year End	10,599	9,136
<u>OTHER REGULATED SITES/FACILITIES</u>		
Other Sites	249,313	109,957
<u>SPECTIONS</u>		
Number of Sites Inspected	31,640	32,944
Number of Sites Audited but Not Inspected	6,482	9,961
Number of Inspections, Audits, Spot Checks	48,205	49,292
<u>ENFORCEMENT ACTIONS</u>		
Number of Compliance Assistance Rendered	6,353	11,493
Number of Enforcement Actions Taken	1,740	1,172
<u>PENALTIES</u>		
Amount of Administrative or Civil Penalties Obtained	\$835,921*	\$4,760,011

* The 2008 penalties for Sewage sludge were incorrectly reported as \$0 in last year's report. The correct amount was \$1,500. This total includes the \$1,500.

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. Once identified, the sites are prioritized for remedial activities. The sites are then listed on the State Master List (see Appendix) and in the Disposal Site Registry.

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 ranks those sites that are the highest priority for investigation and remedial action based on the federal Hazard Ranking System score.

SUCCESSSES/CHALLENGES

The number of sites on the State Master List at the end of FY 2009 was 266. During the year, an additional 10 sites were moved to the Formerly-Investigated Sites category (see Appendix) for a total of 172 sites given this designation. The Disposal Site Registry included 17 National Priority List (NPL) sites, which are addressed by USEPA under the federal Superfund law. The Program conducted one Preliminary Assessment (PA), three Site Investigations (SI), three combined PA/SIs, and two Expanded Site Investigations during FY 2009.

The LRP is continuing to work with EPA on five active private NPL sites and one site proposed for the NPL. Four sites remain in the process of Remedial Design: Maryland Sand, Gravel and Stone; Spectron; Ordnance Products; and Kane and Lombard. The Feasibility Study for the Central Chemical site is complete and a proposed Record of Decision was announced during FY 2009. One site proposed for the NPL, the 68th Street Dump, 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.

Hazardous Waste Program

PURPOSE

The Resource Conservation and Recovery Act (RCRA) established a system for controlling the disposition of hazardous waste from generation to disposal. The Hazardous Waste Program (HWP) regulates the management of hazardous wastes through the review and issuance of hazardous waste treatment, storage, or disposal (TSD) facility permits. HWP also partners with the U.S. Environmental Protection Agency in the review, issuance, and monitoring of Corrective Action Permits. Additionally, it enforces all permits and regulated activities involving hazardous waste generators, transporters, and TSD facilities through a program of inspections, monitoring, and enforcement actions, including the issuance of site complaints, Notices of Violation, Consent Orders and Complaint and Orders.

AUTHORITY

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

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

PROCESS

HWP's Enforcement Division is responsible for violation discovery and compliance activities. The focus of the enforcement program is on permitted hazardous waste TSD facilities and hazardous waste generators that pose the greatest threat to public health and the environment, have been previously cited for violations, or continue to be out of compliance. Enforcement and compliance is accomplished by scheduled inspections of permitted TSD facilities, unannounced inspections of large quantity generators of hazardous waste, and investigations of complaints. All federal and State permitted TSD facilities, as well as those that receive off-site waste, are inspected at least once a year. Large quantity generators that have never been inspected are the first priority along with those that have not been inspected in the last three years.

SUCCESSES/CHALLENGES

HWP's enforcement and compliance program found fewer major violations. Waste minimization initiatives resulted in better waste management and waste minimization activities, which reduced the quantity of hazardous waste generation, and, thus, the need for treatment and disposal of hazardous waste.

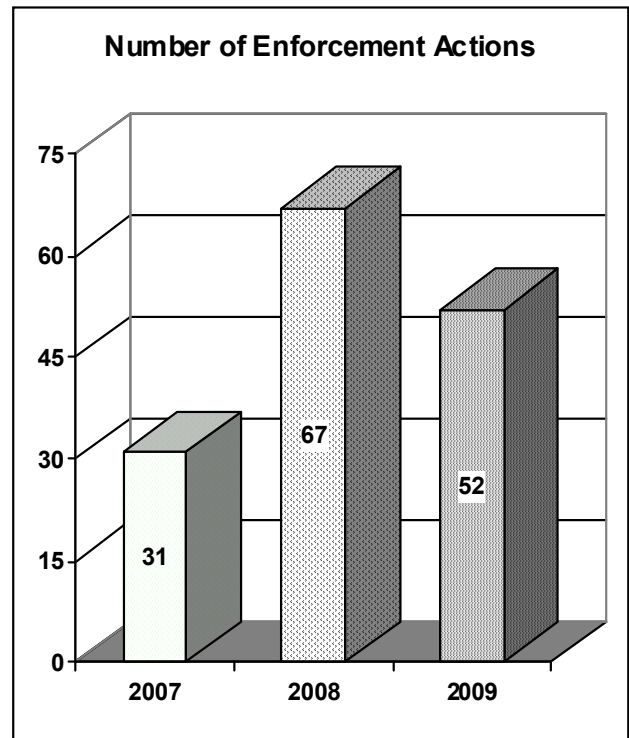
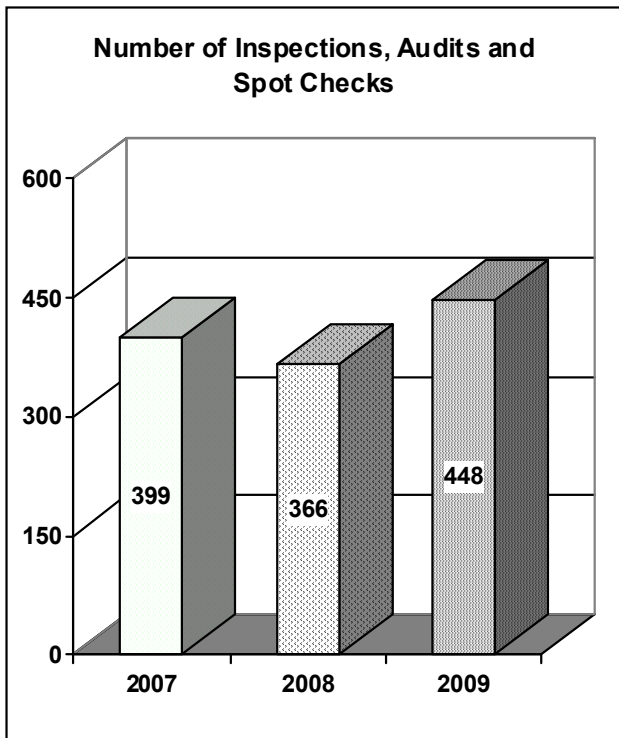
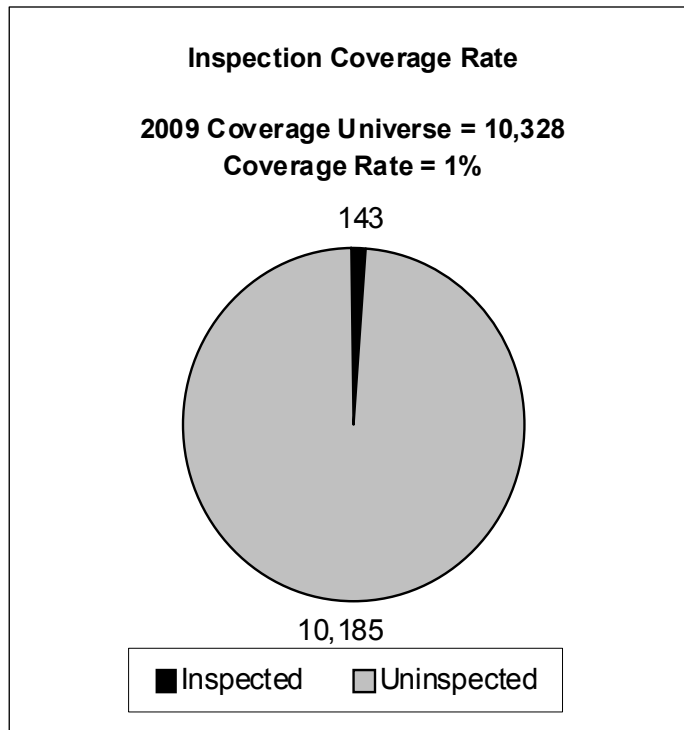
During FY 2009, the inspection coverage rate decreased from 1.56% in FY 2008 to 1.38% in FY 2009. A total of 143 sites were inspected.

HAZARDOUS WASTE

Performance Measure		TOTAL	
PERMITTED SITES/FACILITIES			
Number of permits/registrations issued		4	
Number of permits/registrations in effect at fiscal year end		20	
OTHER REGULATED SITES/FACILITIES			
Hazardous waste generators		10,328	
New EPA ID numbers Issued		152	
INSPECTIONS			
Number of sites inspected (“inspected” defined as at the site)*		143	
Number of sites receiving Off-Site Audits & Record Reviews, but not inspected		22	
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)		165	
Number of inspections, spot checks (captures number of compliance activities at sites)		317	
Number of off-site audits (captures number of reviews of file/submittals for compliance)		131	
Total number of inspections, audits and spot checks		448	
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations		41	
% of inspected sites/facilities with significant violations		29%	
Inspection coverage rate (number of sites inspected/coverage universe)		1%	
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact		58	
Number of significant violations based on technical/preventative deficiencies		104	
Number of significant violations carried over awaiting disposition from previous fiscal year		36	
Total number of significant violations (sum of the three measures above)		198	
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved		142	
Ongoing		56	
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered		25	
	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	52	0	52
Number of referrals to Attorney General for possible criminal action			3
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$60,750

*All 20 permitted TSD facilities were inspected and are included in the total of Number of Sites Inspected.

Hazardous Waste



Lead Poisoning Prevention Program

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 rental properties, 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.

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

All affected properties (pre-1950 rental dwelling properties) must meet specified standards of care: risk reduction standards, registration of the rental property, and distribution to tenants of two documents explaining tenant rights and the hazards of lead paint. Maryland law requires that all blood lead level test results be reported to MDE, which in turn reports all results for children at risk to the local Health Departments for case management.

SUCSESSES/CHALLENGES

The percentage of children with blood lead levels equal to or greater than 10 micrograms per deciliter (≥ 10 $\mu\text{g}/\text{dl}$) has decreased for the fourteenth consecutive year Statewide. This information is compiled from the blood test reports prepared by various laboratories. The number of children tested with elevated blood lead levels decreased from 892 in 2007 to 713 in 2008, and the percentage of children tested who had elevated blood lead levels also decreased from 0.8% to 0.7%.

The goal of the lead poisoning prevention effort is “no children having a blood lead level of 10 $\mu\text{g}/\text{dl}$ or greater by the year 2010.” The LPPP, in cooperation with stakeholders, has developed a plan for reaching the 2010 goal. The statistics for CY 2008 show that the trends show substantial progress toward the 2010 goal.

The Lead Compliance and Accreditation Division of the LPPP has continued to conduct a significant number of inspections. As a result, MDE has continued to sustain a high number of enforcement actions and collected penalties consistent as in the years past.

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Lead Poisoning Prevention

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/registrations issued (Accreditations)			1,694
Number of permits/registrations (Accreditations) in effect at fiscal year end			3,141
OTHER REGULATED SITES/FACILITIES			
Rental dwelling units registered this year*			8,389
Total rental dwelling units in registered properties**			67,621
Affected properties as of end FY			91,500
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)			
By accredited lead paint service providers			26,586
By MDE			2,893
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)			23
Number of sites evaluated for compliance (sum of the three measures above, same as #11 on the prior charts)			29,502
Number of inspections, spot checks (captures number of compliance activities at sites)			
By Accredited Lead Paint Service Providers			26,586
By MDE			3,387
Number of audits (captures number of reviews of file/submittals for compliance)			92
Number of inspections, audits, spot checks (sum of the three measures above)			30,065
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			439
% of inspected sites/facilities with significant violations***			15%
Inspection coverage rate (number of sites inspected/coverage universe)****			22%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			861
Number of significant violations based on technical/preventative deficiencies			65
Number of significant violations carried over awaiting disposition from previous fiscal year			636
Total number of significant violations (sum of the three measures above)			1,562
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			994
Ongoing			568
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			86
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	677	0	677
Number of stop work orders	0	0	0
Number of injunctions obtained	0	4	4
Number of penalty and other enforcement actions	51	0	51
Number of referrals to Attorney General for possible criminal action			1
Number of SEPs entered into / units affected			15 / 101
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$494,030

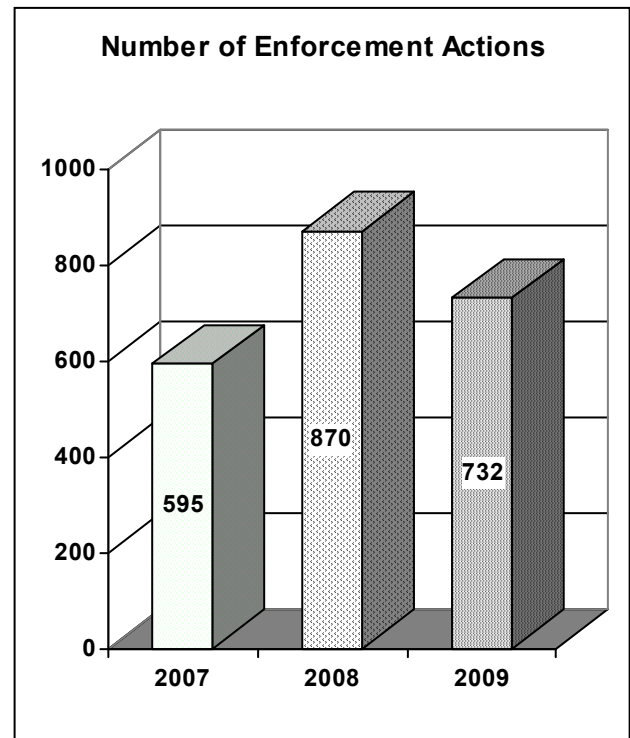
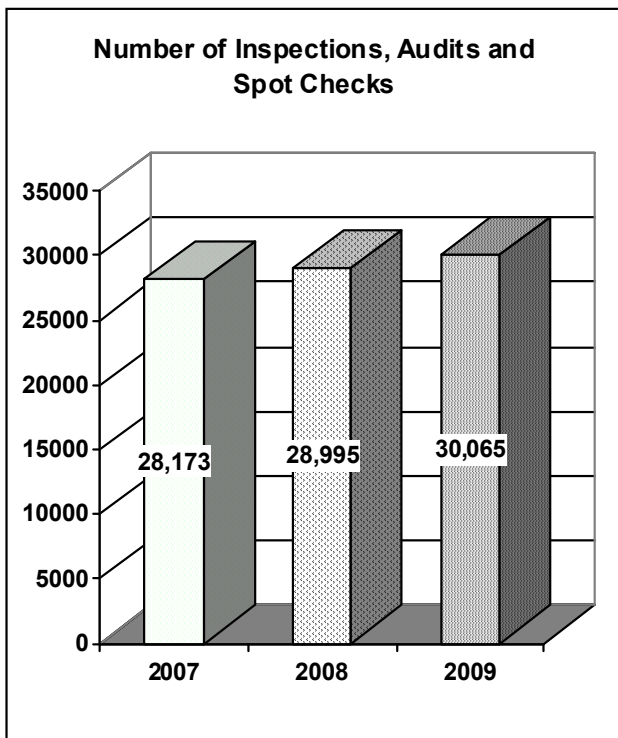
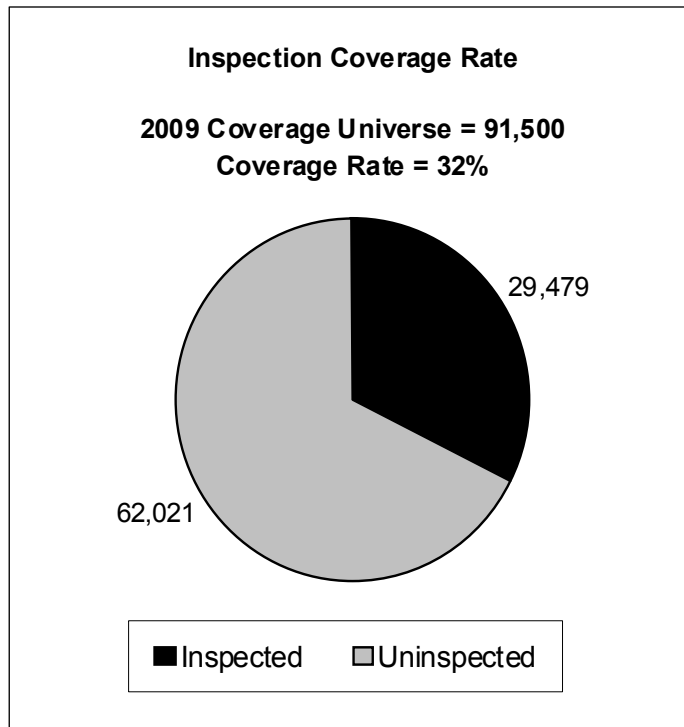
*New registrations

** Registrations through 12/31/08 (New & Renewal) – The cumulative registrations number used in previous reports was an attempt to report the total number of units registered over the years of the program. This counted units that no longer need to be registered and double counted some units. This year's number is the actual number of registrations based on fees paid.

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

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

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 for aboveground storage facilities, oil contaminated soil, and the transportation of oil products, including ethanol and biodiesel, in Maryland. OCP also issues permits related to discharge activities and awards and audits licenses for the import of petroleum products into Maryland.

AUTHORITY

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

PROCESS

Regional environmental compliance specialists (ECSs) schedule routine inspections of the facilities. During the inspection, 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's guidelines and procedures. The inspection frequency can be adjusted as conditions warrant. In addition, two staff engineers tasked with writing permits for these facilities visit facilities prior to issuing new or renewal permits. These site visits may also lead to the discovery of violations. Staff engineers also provide support to the ECS staff upon request. The ECS also responds to oil spills throughout the State at facilities that do not require a permit.

SUCSESSES/CHALLENGES

The combination of compliance assistance, regular permit application and review, and enforcement continues to result in improved management of aboveground storage tanks containing petroleum within the State. Inspection of aboveground oil storage facilities increased from 331 in FY 2008 to 458 in FY 2009. Spill response activities increased slightly this reporting period. Permit application reviews, permit renewal site visits, and random inspections continue to reveal violations that, if left unaddressed, would result in releases to the environment or catastrophic tank failure during a fire or other emergency at a facility.

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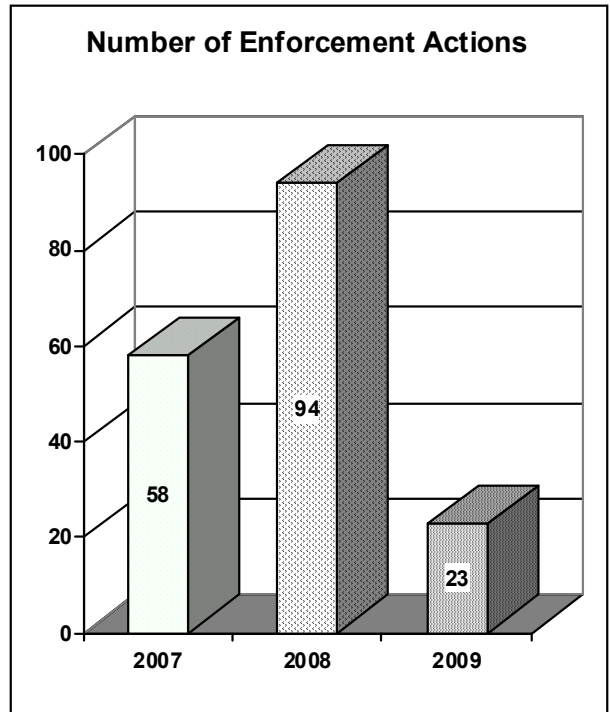
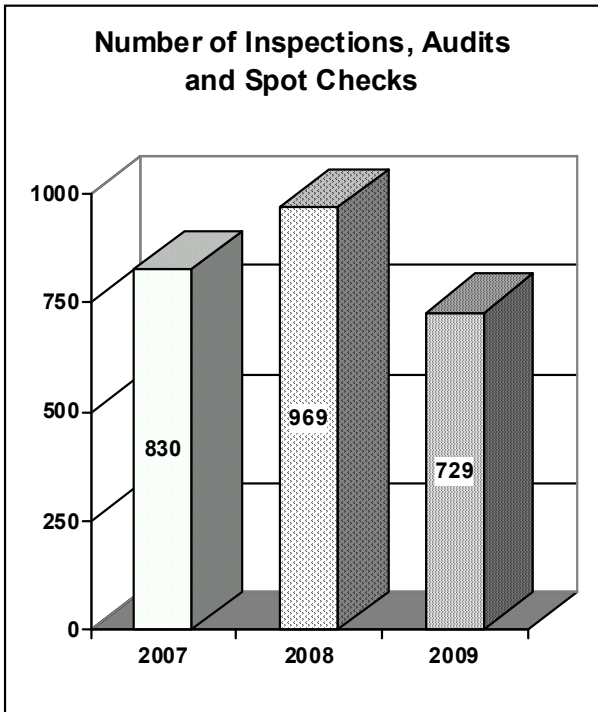
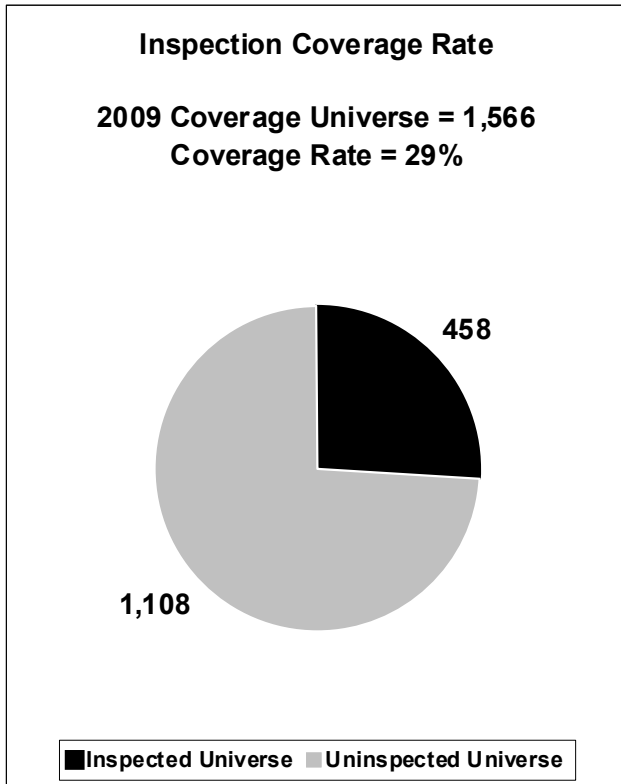
OCP - Aboveground Facilities

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued			326
Number of permits/licenses in effect at fiscal year end*			1,566
OTHER REGULATED SITES/FACILITIES			
Initial Spill Response			248
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)			458
Number of sites receiving off-site audits and record reviews, but not inspected			78
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)			536
Number of inspections, spot checks (captures number of compliance activities at sites)			651
Number of audits (captures number of reviews of file/submittals for compliance)			78
Number of inspections, audits, spot checks (sum of the two measures above)			729
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			25
% of inspected sites/facilities with significant violations			5%
Inspection coverage rate (number of sites inspected/coverage universe)**			29%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			0
Number of significant violations based on technical/preventative deficiencies			25
Number of significant violations carried over awaiting disposition from previous fiscal year			8
Total number of significant violations (sum of the three measures above)			33
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			26
Ongoing			7
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			687
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	11	11	22
Number of stop work orders	0	0	0
Number of injunctions obtained	0	0	0
Number of penalty and other enforcement actions	0	0	1
Number of referrals to Attorney General for possible criminal action			0
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$24,550

* Permits/licenses. This includes aboveground storage tanks and oil-contaminated soil operations. The Oil (Contaminated Soil) Operations Permit is issued to facilities within the State of Maryland 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 Fiscal Year 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. Spill response to AST sites less than permitted capacity is part of the Program's universe. However, this number is not included in the inspection coverage rate in order to not bias the evaluation of the Program's goal to visit each permitted site on an annual basis.

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

Groundwater and soil cleanups are highly technical in nature, usually requiring numerous site visits, meetings, and staff time. When a release of petroleum product is reported to OCP, a team of specialists is assigned to investigate. The team prioritizes the response effort to the release, based on product type, amount released, and potential impacts from the release. Each site is in violation by virtue of the fact that a release has occurred. Inspection frequency is also determined as site-specific conditions warrant. During the inspection of remedial sites, conditions are documented and the responsible party is given direction and advised of the status of compliance. There are cases where the responsible party fails to perform the necessary steps to remediate the discharge. If enforcement action is warranted, the action will be performed in accordance with MDE's guidelines and procedures.

SUCCESSSES/CHALLENGES

The field activity performed by OCP staff continues to reflect the commitment in time and resources needed to adequately oversee the cleanups performed by responsible parties in the State. Multiple site visits during the fiscal year 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 and for those that had already migrated off the site, the implementation of a remedial response that prevents further migration.

This reporting period, OCP has been able to reduce the identified sites from 1,619 in FY 2008 to 1,424 in 2009. This is the fifth year a decline has been noted. This may be attributable to OCP case managers' prioritization of workload and sustained effort to move cases toward closure.

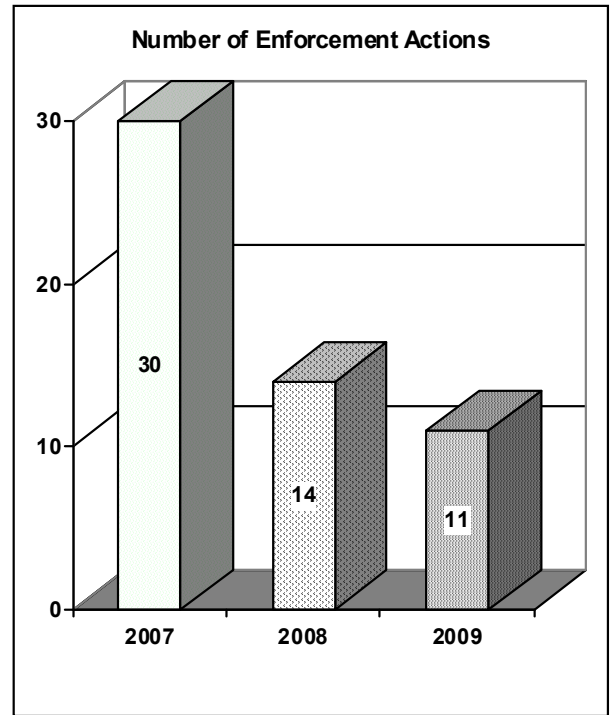
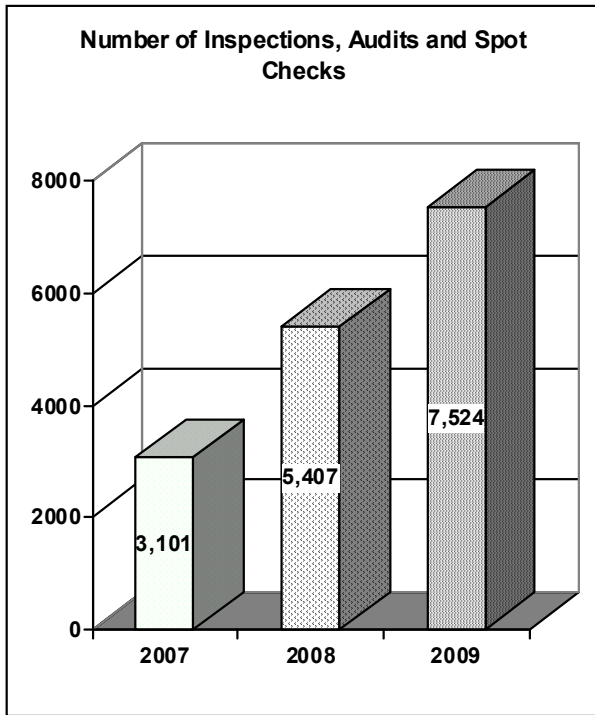
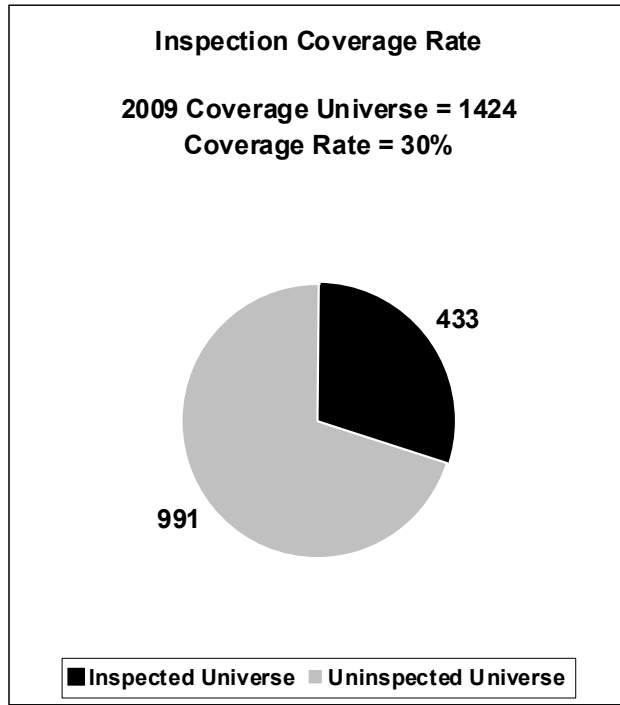
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Oil Pollution Remediation Activities

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued			0
Number of permits/licenses in effect at fiscal year end			0
OTHER REGULATED SITES/FACILITIES			
Groundwater remediation sites			1,424
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)			433
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)			5,352
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)			5,785
Number of inspections, spot checks (captures number of compliance activities at sites)			2,172
Number of audits (captures number of reviews of file/submittals for compliance)			5,352
Number of inspections, audits, spot checks (sum of the two measures above)			7,524
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			11
% of inspected sites/facilities with significant violations			3%
Inspection coverage rate (number of sites inspected/coverage universe)			30%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			11
Number of significant violations based on technical/preventative deficiencies			0
Number of significant violations carried over awaiting disposition from previous fiscal year			12
Total number of significant violations (sum of the three measures above)			23
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			12
Ongoing			11
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			6,735
	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	0	4	4
Number of penalty and other enforcement actions	1	0	1
Number of referrals to Attorney General for possible criminal action			0
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$4,067,687

* Prior to FY 1999, this number only included releases from federally regulated UST motor fuel. After FY 99 the number reflects all oil releases that have impacted the subsurface environment from any oil UST, AST or transport facility. Wording was changed in FY 2002 to reflect this definition.

Oil Pollution Remediation Activities



Oil Control Program – Underground Storage Tank Systems

PURPOSE

The underground storage tank function of the Oil Control Program (OCP) is a prevention program that seeks to reduce the incidence and severity of releases associated with the storage of regulated substances in Underground Storage Tank Systems (UST) throughout the State of Maryland. This is accomplished through ensuring compliance with operational requirements at sites that include service stations, oil terminals, hospitals, schools, military facilities, marinas and similar facilities.

AUTHORITY

FEDERAL: Resource Conservation and Recovery Act - Subtitle I

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

PROCESS

The Program assists tank owners in the prevention of the release of regulated substances by ensuring compliance with detailed State and federal regulations. These include release detection, corrosion and overflow prevention, insurance requirements, and construction standards. All regulated UST systems in Maryland must be registered with the Department. All tank technicians and inspectors must pass a MDE test and maintain a certification with the Program.

SUCCESSSES/CHALLENGES

The number of sites inspected decreased in FY 2009 to 1,409 from 1,516 reported in FY 2008. However, due to OCP's private third-party inspection program and the filling of staff vacancies, the frequency of inspections was increased rapidly from just 399 in FY 2006 to 908 in FY 2007 and to 1,516 in FY 2008. The facilities that were inspected continue to show a high compliance rate, which is above the national average.

There was a decrease in enforcement actions this year for two reasons. One reason is a procedural change: for routine compliance issues that do not involve immediate threats to public safety or the environment, the program has switched from the more formal Notice of Violation (NOV), which is counted as an "enforcement action" in this report, to a less formal warning letter, called a Notice of Non-Compliance (NNC). In cases where the NNC fails to compel compliance, the program issues NOVs, which may carry penalties depending on the violation. As in the past, failure to respond to an NOV may result in administrative complaints, product delivery bans, or other enforcement action. Forty-five NNCs were issued for UST activities in FY09, and NNCs have proven to be very effective in returning facilities to compliance. The second reason for the drop in UST enforcement is the success of the third-party inspection program. That program began its second cycle in FY09, inspecting facilities that underwent a full inspection in the recent past. With this second cycle of inspections, fewer violations are being found and those that are found are often minor in nature and easily corrected.

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Oil Underground Storage Tank Systems

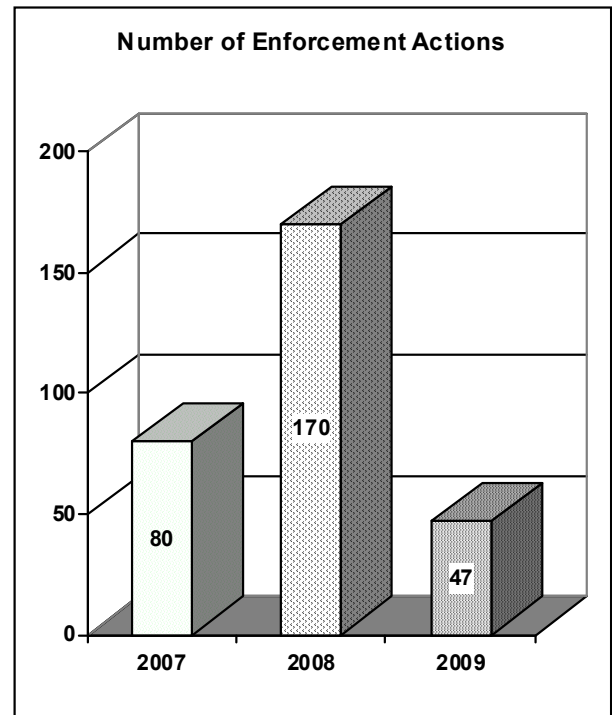
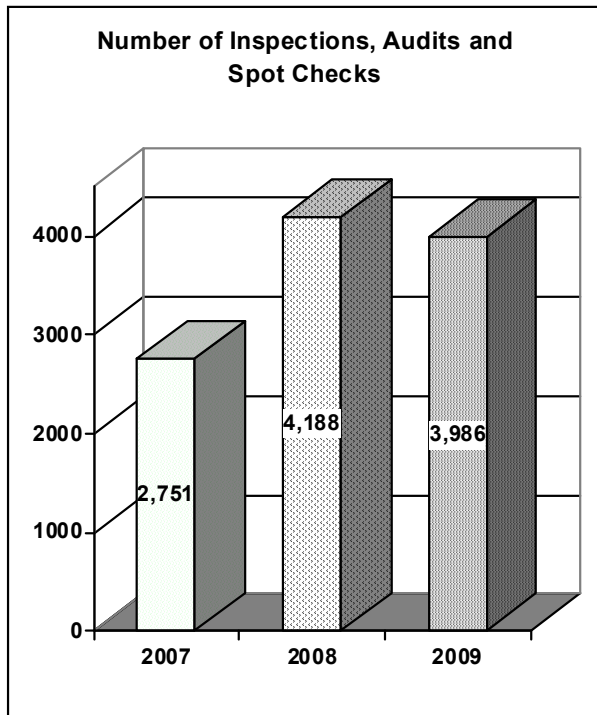
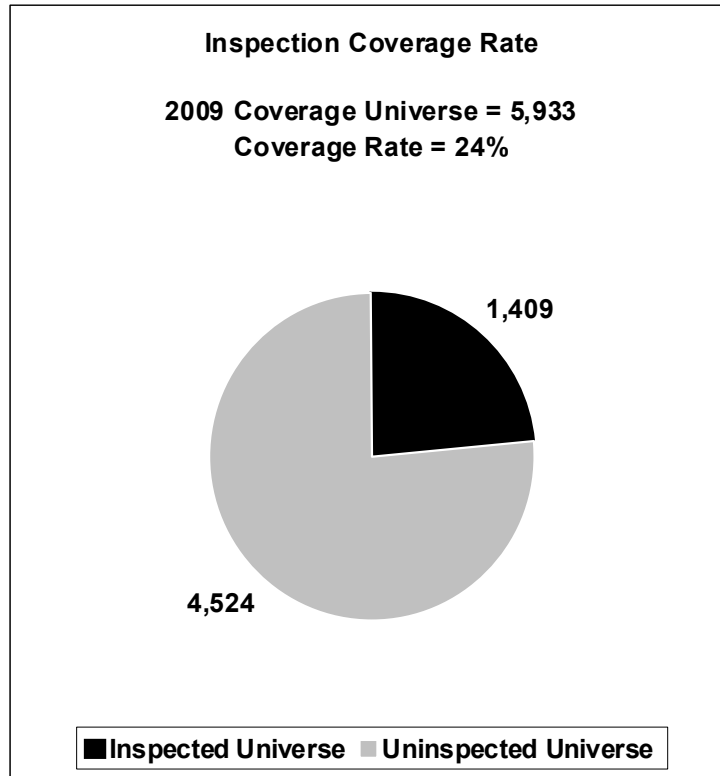
Performance Measure	TOTAL																								
PERMITTED SITES/FACILITIES																									
Number of permits/licenses issued	198																								
Number of permits/licenses in effect at fiscal year end *	417																								
OTHER REGULATED SITES/FACILITIES																									
Registered UST facilities	5,933																								
INSPECTIONS																									
Number of sites inspected ("inspected" defined as at the site)**	1,409																								
Number of sites receiving off-site audits and record reviews, but not inspected.	1,317																								
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	2,726																								
Number of inspections, spot checks (captures number of compliance activities at sites)	2,669																								
Number of audits (captures number of reviews of file/submittals for compliance)	1,317																								
Number of inspections, audits, spot checks (sum of the two measures above)	3,986																								
COMPLIANCE PROFILE																									
Number of inspected sites/facilities with significant violations	67																								
% of inspected sites/facilities with significant violations	5%																								
Inspection coverage rate (number of sites inspected/coverage universe)***	24%																								
SIGNIFICANT VIOLATIONS																									
Number of significant violations involving environmental or health impact	27																								
Number of significant violations based on technical/preventative deficiencies	40																								
Number of significant violations carried over awaiting disposition from previous fiscal year	92																								
Total number of significant violations (sum of the three measures above)	159																								
DISPOSITION OF SIGNIFICANT VIOLATIONS																									
Resolved	88																								
Ongoing	71																								
ENFORCEMENT ACTIONS																									
Number of compliance assistance rendered	3,919																								
	<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;">40</td> <td style="text-align: center;">0</td> <td style="text-align: center;">40</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;">7</td> <td style="text-align: center;">7</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	40	0	40	Number of stop work orders	0	0	0	Number of injunctions obtained	0	7	7	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	40	0	40																						
Number of stop work orders	0	0	0																						
Number of injunctions obtained	0	7	7																						
Number of penalty and other enforcement actions	0	0	0																						
Number of referrals to Attorney General for possible criminal action			0																						
PENALTIES																									
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$61,294																								

*Certified UST technicians and removers are part of the regulated community and, therefore, the inspection universe, and are included in the Report FY 2000 forward.

** On May 6, 2006 the Oil Control Program required the first MDE-certified inspections conducted in Maryland. When a tank owner receives notice for inspection from MDE, they must hire one of the highly-trained private inspectors. Because of this new Maryland and EPA authorized program, inspections for USTs will increase, thus preventing releases and protecting the environment.

*** Coverage rate above is computed as the total number of sites inspected and dividing that 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 both the public health and the quality of Maryland's water resources. The Solid Waste Program is responsible for two important elements of environmental regulation: the review of the technical information needed to support application for new solid waste disposal facilities and the inspection and enforcement of regulations at permitted and unpermitted disposal facilities. Regulated solid waste acceptance facilities include municipal landfills, rubble landfills, and land clearing debris landfills, non-hazardous industrial waste landfills, municipal incinerators, solid waste processing facilities, and transfer stations.

AUTHORITY

FEDERAL: Resource Conservation and Recovery Act - Subtitle D; 40 CFR 257 and 258D
STATE: Environment Article, Title 9, Subtitle 2; COMAR 26.04.07

PROCESS

Permits are required for the construction and operation of solid waste acceptance facilities. The permits ensure that facilities are designed and operated in a manner protective of public health and the environment. Permit review activities cover a broad range of environmental and engineering elements to ensure state-of-the-art techniques protect the State's surface water, groundwater, air, and other natural resources. Routine unannounced inspections are performed at the facilities to ensure compliance. Inspectors also spend a large percentage of their time investigating complaints regarding unpermitted facilities and open dumps. The compliance staff performs inspections and investigations to find, stop, and clean up illegal dumps and reduce the problems they cause, including odor, soil erosion, discharges of pollutants to surface water, and groundwater pollution. Corrective orders and penalties may be issued for violations in accordance with Department guidelines and procedures. Compliance activities also include environmental monitoring and remediation. Geologists and engineers review groundwater monitoring and soil gas data to detect aqueous or 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, subject to review and approval by MDE prior to implementation.

SUCCESSSES/CHALLENGES

The Solid Waste Program's refuse disposal inspection coverage rate was 100% in FY 2009 as it was in FY 2008, with every permitted site (82) inspected. In addition, nineteen inspected sites were discovered in significant violation and overall, a total of 38 of 69 significant violations were resolved. Further, there were 155 audits performed during FY 2009. There were 24 unpermitted sites with ongoing violations at the end of fiscal year.

The Solid Waste Program's number of inspections increased during FY 2009 to 889 from 870 in FY 2008 with visits to 273 sites. The number of compliance assistance actions rendered decreased from 22 in FY 2008 to 21 in FY 2009. The enforcement actions decreased from 66 in FY 2008 to 47 in FY 2009.

The Solid Waste Program continues to be challenged by staff shortages and the need to retain trained inspectors. The Program operates solely on general funds. The Department continues to work with stakeholders to reach consensus and develop an appropriate funding mechanism to provide additional resources to improve solid waste permitting and compliance services to the citizens of Maryland.

Refuse Disposal

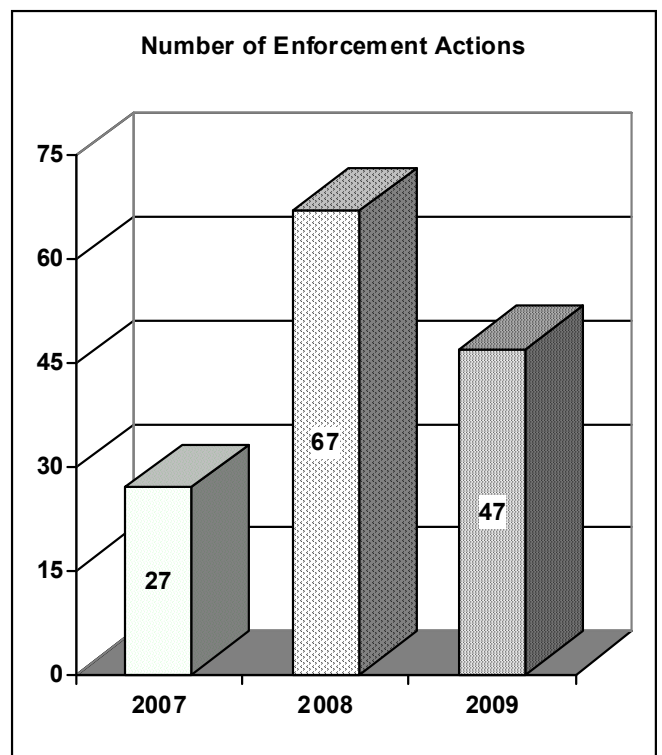
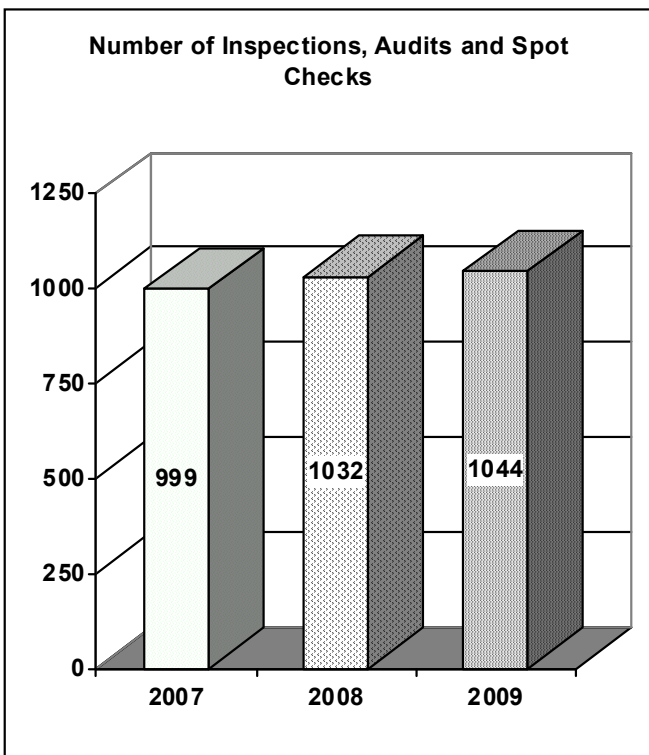
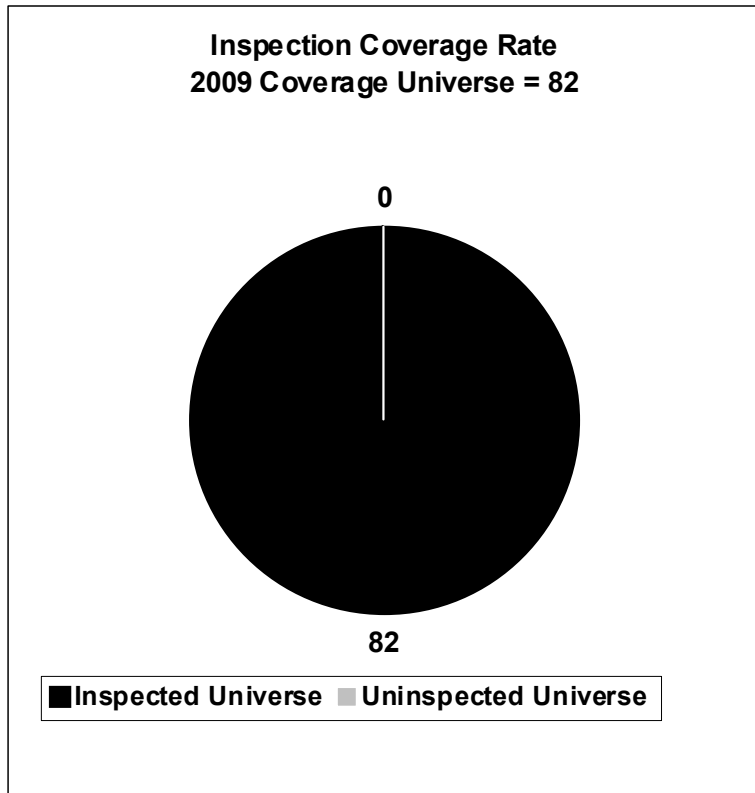
Performance Measure		TOTAL	
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued		11	
Number of permits/licenses in effect at fiscal year end *		82	
OTHER REGULATED SITES/FACILITIES			
Unpermitted Sites		192	
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)**		273	
Number of sites receiving off-site audits and record reviews, but not inspected.		0	
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)		273	
Number of inspections, spot checks (captures number of compliance activities at sites)		889	
Number of audits (captures number of reviews of file/submittals for compliance)		155	
Number of inspections, audits, spot checks (sum of the two measures above)		1,044	
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations		19	
% of inspected sites/facilities with significant violations		7%	
Inspection coverage rate (number of sites inspected/coverage universe)		100%	
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact		0	
Number of significant violations based on technical/preventative deficiencies		45	
Number of significant violations carried over awaiting disposition from previous fiscal year		24	
Total number of significant violations (sum of the three measures above)		69	
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved		38	
Ongoing		31	
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered		21	
	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	1	1
Number of penalty and other enforcement actions ***	42	0	42
Number of referrals to Attorney General for possible criminal action			0
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$2,500

*There were 19 active groundwater discharge permits during FY 2009.

** 82 of the 273 sites were permitted facilities. The remaining sites included unpermitted dumpings, citizen complaints, other similar solid waste issues and groundwater discharge permits.

*** There were five enforcement actions (site complaints) issued to the coal combustion byproducts (CCB) generators.

Refuse Disposal



Scrap Tires

PURPOSE

Licenses are required for the hauling, collection, storage, processing, recycling, and burning for tire derived fuel of scrap tires. These licenses ensure that scrap tires are managed in a manner protective of public health and the environment.

AUTHORITY

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

PROCESS

The licensing system is intended to regulate the management of scrap tires and prevent illegal dumping. A State fund is available when a landowner fails to clean up a scrap tire dump. Cost recovery from the landowner or other identifiable responsible party for all costs associated with the cleanup is required. In general, 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. Corrective orders and penalties may be issued for violations in accordance with Department guidelines and procedures.

SUCCESSSES/CHALLENGES

The scrap tire function of the Program continued the cleanup of scrap tire stockpiles, with 80 stockpiles and approximately two million scrap tires remaining to be cleaned up. New stockpiles are still discovered every year and during FY 2009 a total of 31 new sites were discovered. A total of 38 stockpiles were cleaned up in FY 2009 resulting in removal of 21,456 scrap tires. MDE partnerships with local governments are removing thousands of tires from the environment by providing drop-off sites and citizen drop off (amnesty) days.

There was a decrease in the number of scrap tire site inspections conducted in FY 2009 to 765 from 834 in FY 2008. There was a slight decrease in the inspection coverage rate in FY 2009 to 15% from the reported 16% in FY 2008. There were 3,316 audits performed during FY 2009, which resulted in the increased cumulative count of 4,081 inspections and audits. Significant violations decreased from 441 in FY 2008 to 119 in FY 2009. A total of 201 significant violations were resolved. The number of compliance assistance actions rendered decreased to one in FY 2009 from seven in FY 2008.

The Program continues to issue Notices of Violation to license holders that fail to submit required semi-annual reports. The Program issued a total of 249 enforcement actions during FY 2009 including Notices of Violation and Site Complaints. During FY 2009, the rate of compliance of scrap tire reporting increased to 90% during the first half of the fiscal year, which represents the Program's success in achieving compliance from licensees during the reporting periods and compliance assistance processes.

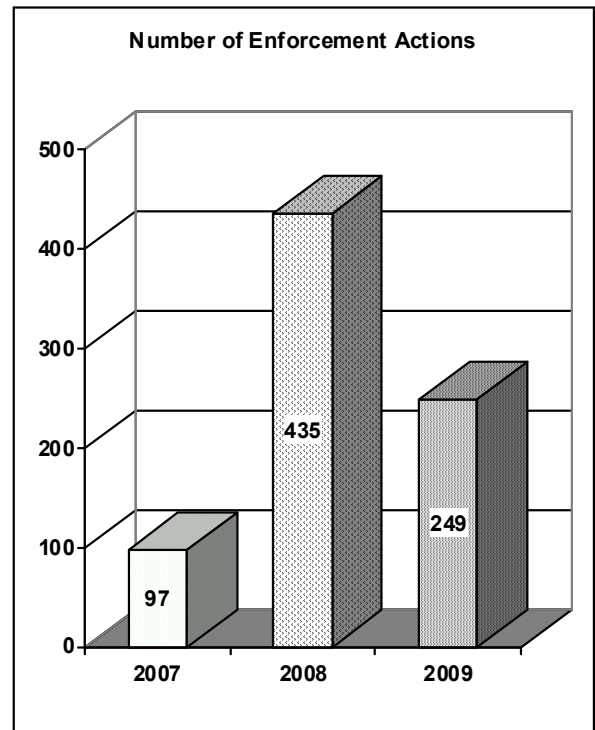
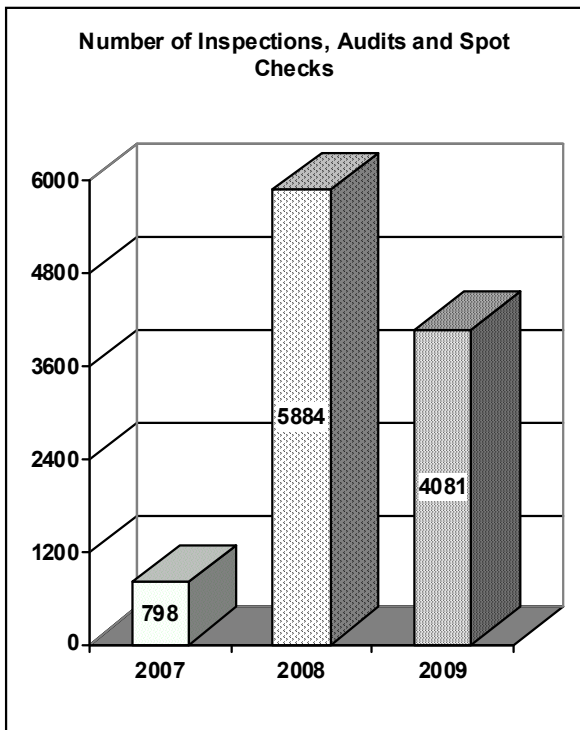
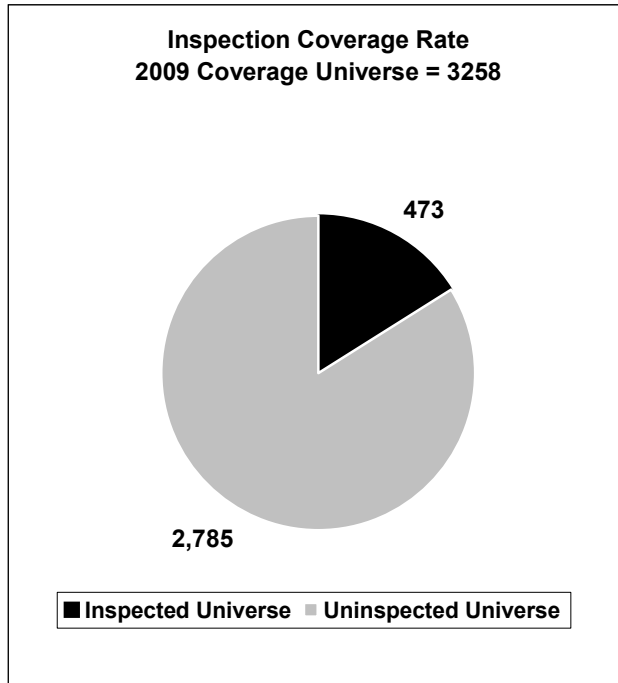
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Scrap Tires

Performance Measure	TOTAL																								
PERMITTED SITES/FACILITIES																									
Number of permits/registrations issued	540																								
Number of permits/registrations in effect at fiscal year end	3,178																								
OTHER REGULATED SITES/FACILITIES																									
Stockpiles to be cleaned up	80																								
INSPECTIONS																									
Number of sites inspected ("inspected" defined as at the site)	473																								
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	2,749																								
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	3,222																								
Number of inspections, spot checks (captures number of compliance activities at sites)	765																								
Number of audits (captures number of reviews of file/submittals for compliance)	3,316																								
Number of inspections, audits, spot checks (sum of the two measures above)	4,081																								
COMPLIANCE PROFILE																									
Number of inspected sites/facilities with significant violations	8																								
% of inspected sites/facilities with significant violations	2%																								
Inspection coverage rate (number of sites inspected/coverage universe)*	15%																								
SIGNIFICANT VIOLATIONS																									
Number of significant violations involving environmental or health impact	0																								
Number of significant violations based on technical/preventative deficiencies	119																								
Number of significant violations carried over awaiting disposition from previous fiscal year	480																								
Total number of significant violations (sum of the three measures above)	599																								
DISPOSITION OF SIGNIFICANT VIOLATIONS																									
Resolved	201																								
Ongoing	398																								
ENFORCEMENT ACTIONS																									
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;">0</td> <td style="text-align: center;">1</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;">248</td> <td style="text-align: center;">0</td> <td style="text-align: center;">248</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	1	1	Number of stop work orders	0	0	0	Number of injunctions obtained	0	0	0	Number of penalty and other enforcement actions	248	0	248	Number of referrals to Attorney General for possible criminal action			1
	Administrative	Civil/Judicial	Total																						
Number of show cause, remedial, corrective actions issued	0	1	1																						
Number of stop work orders	0	0	0																						
Number of injunctions obtained	0	0	0																						
Number of penalty and other enforcement actions	248	0	248																						
Number of referrals to Attorney General for possible criminal action			1																						
Number of show cause, remedial, corrective actions issued	0	1	1																						
Number of stop work orders	0	0	0																						
Number of injunctions obtained	0	0	0																						
Number of penalty and other enforcement actions	248	0	248																						
Number of referrals to Attorney General for possible criminal action			1																						
PENALTIES																									
Amount of administrative or civil penalties obtained (\$ collected in FY)			46,700																						

* Coverage rate above 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 stockpiles to be cleaned up.

Scrap Tires



Sewage Sludge Utilization

PURPOSE

Permits are required for the transportation, collection, handling, storage, treatment, land application, and disposal of sewage sludge in the State. 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 mostly for agricultural uses, composted, pelletized, landfilled, or incinerated. Permit requirements include preparation of applicable nutrient management plans and other necessary documents.

AUTHORITY

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

PROCESS

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. The inspector may recommend corrective actions to take, 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 Department guidelines and procedures. Inspectors also investigate citizens' complaints about sewage sludge utilization.

SUCCESSSES/CHALLENGES

The Program's number of inspections increased during this reporting period to 555 from 501 in FY 2008. There have been no instances of unpermitted land application of sewage sludge in the State or instances of environmental or health impact. This is attributed to the Program's efforts to work with the regulated community over the last several years.

The inspection staff has improved the coverage rate to 33% during FY 2009 and inspected 234 unique sites. Further, there were 690 audits performed during FY 2009, which resulted in raising the cumulative count for inspections and audits to 1,245. In addition, ten enforcement actions were taken and a total of 12 compliance assistance actions were rendered. This is due to the small and highly experienced nature of the regulated community – there are a relatively small number of governments and companies engaged in this work and the operators are familiar with the regulations and permit conditions. Therefore, most violations are not significant violations and are the result of accidental occurrences or misunderstandings, which are quickly resolved through compliance assistance efforts.

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.

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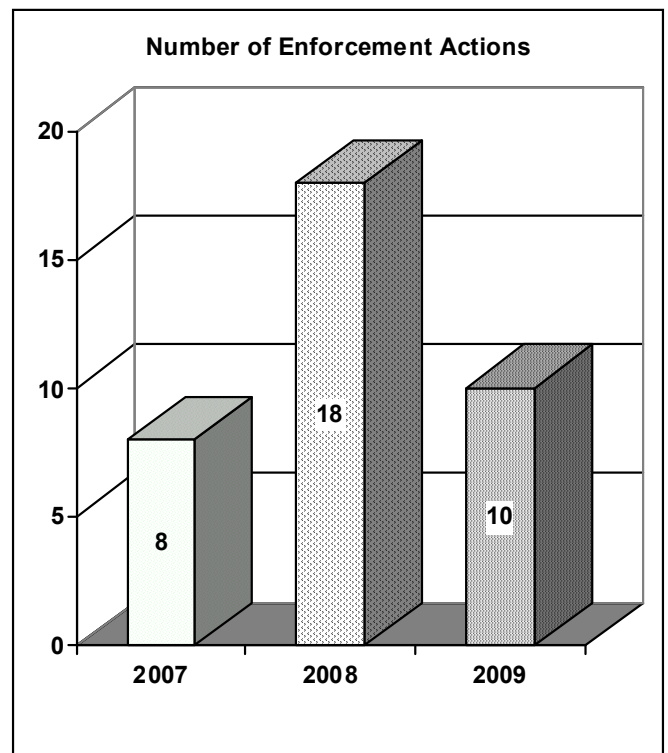
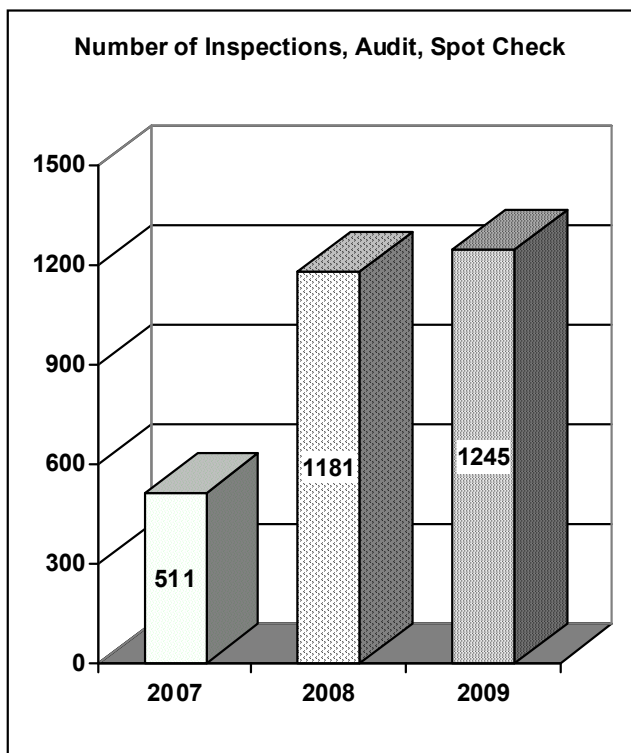
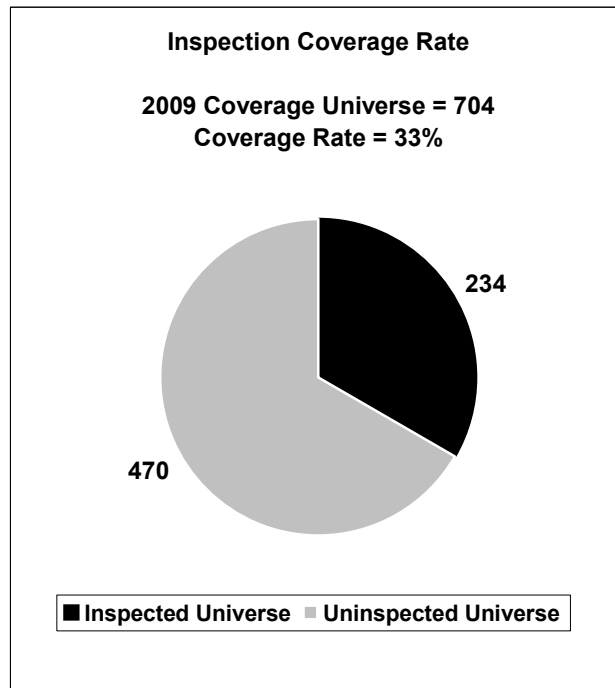
Sewage Sludge Utilization

Performance Measure	TOTAL		
PERMITTED SITES/FACILITIES			
Number of permits/registrations issued	162		
Number of permits/registrations in effect at fiscal year end	704		
OTHER REGULATED SITES/FACILITIES			
Unpermitted sites	56		
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)	234		
Number of sites receiving off-site audits and record reviews, but not inspected.	443		
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	677		
Number of inspections, spot checks (captures number of compliance activities at sites)	555		
Number of audits (captures number of reviews of file/submittals for compliance)	690		
Number of inspections, audits, spot checks (sum of the two measures above)	1,245		
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations	4		
% of inspected sites/facilities with significant violations	2%		
Inspection coverage rate (number of sites inspected/coverage universe)*	33%		
SIGNIFICANT VIOLATIONS			
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		
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved	0		
Ongoing	0		
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered	12		
	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	9	0	9
Number of referrals to Attorney General for possible criminal action	0		
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$2,500		

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

** The number of significant violations carried over is changed from last year's report due to a change in the definition.

Sewage Sludge Utilization



Natural Wood Waste Recycling

PURPOSE

The purpose of the permits is to ensure that natural wood wastes are managed in a manner protective of public health and the environment. In particular, the permitting system is intended to prevent large-scale fires at these facilities. A General Permit is authorized and in use for facilities following common industry practices as described in the regulation.

AUTHORITY

STATE: Environment Article, Title 9, Subtitle 17; COMAR 26.04

PROCESS

Permits are required for the operation of facilities that recycle natural wood waste (stumps, root mat, branches, logs, and brush). Recycling is conducted by chipping the wastes and converting them into mulch. This process is regulated by the conditions in the permit. Routine unannounced inspections may be performed at these facilities several times per year to ensure compliance with the permit conditions. MDE inspectors also investigate citizen complaints about wood waste recycling operations. Corrective orders and penalties may be issued for violations in accordance with Department guidelines and procedures.

SUCSESSES/CHALLENGES

The Solid Waste Program's natural wood waste facility inspection coverage rate was 100%; 42 unique sites were inspected and no significant violations were observed during FY 2009. Further, a total of eight significant violations carried over from FY 2008 were resolved. Unpermitted sites maintained at 14 as reported in FY 2008.

The Solid Waste Program's number of natural wood waste facility inspections slightly decreased during FY 2009 to 146 from 158 reported in FY 2008. The number of compliance assistance actions rendered decreased in FY 2009 to seven from nine reported in FY 2008. There were 24 audits performed during FY 2008.

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.

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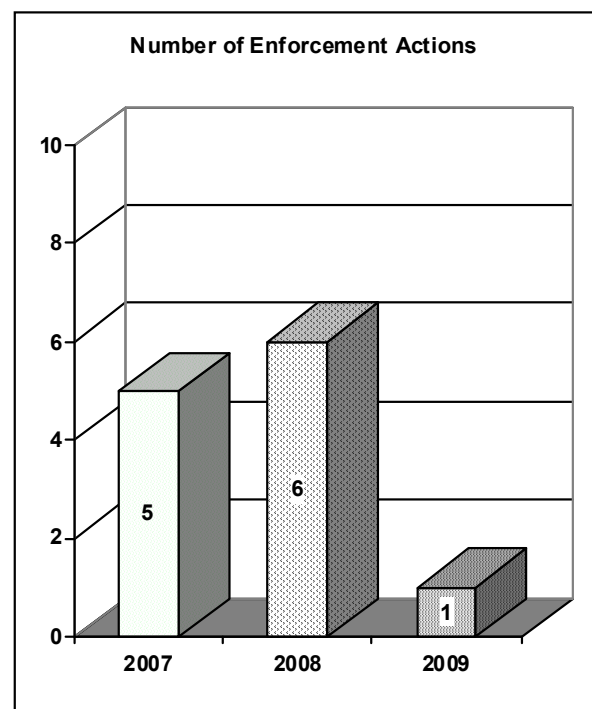
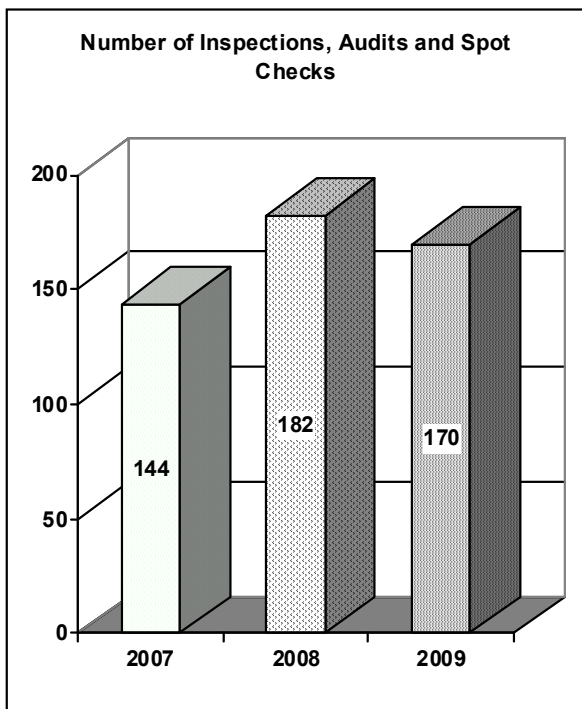
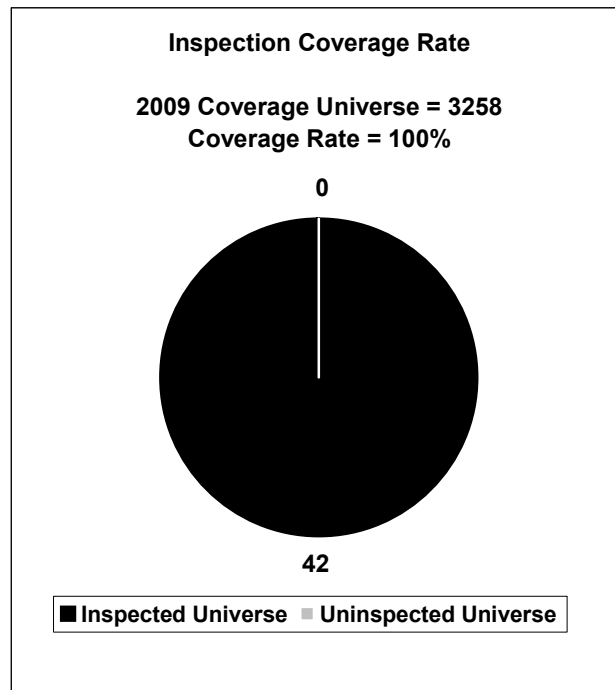
Natural Wood Waste Recycling

Performance Measure	TOTAL		
PERMITTED SITES/FACILITIES			
Number of permits/registrations issued	4		
Number of permits/registrations in effect at fiscal year end	28		
OTHER REGULATED SITES/FACILITIES			
Unpermitted sites at fiscal year end	14		
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)*	42		
Number of sites receiving off-site audits and record reviews, but not inspected	0		
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	42		
Number of inspections, spot checks (captures number of compliance activities at sites)	146		
Number of audits (captures number of reviews of file/submittals for compliance)	24		
Number of inspections, audits, spot checks (sum of the two measures above)	170		
COMPLIANCE PROFILE			
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)**	100%		
SIGNIFICANT VIOLATIONS			
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	8		
Total number of significant violations (sum of the three measures above)	8		
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved	8		
Ongoing	0		
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered	7		
	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	0	1
Number of referrals to Attorney General for possible criminal action	0		
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0		

*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



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WATER MANAGEMENT ADMINISTRATION

Water Management Administration Executive Summary

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

The Compliance Program assigns each inspection a priority. 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. The Compliance Program also responds to complaints from citizens across all of the facility types for which it has responsibility. During FY 2009, the Compliance Program received over 1,200 complaints.

The Compliance Program uses a variety of approaches to bring facilities into compliance, some of which are: compliance assistance, administrative orders, civil cases, stop work orders, and penalties.

This year, the Compliance Program was able to fill several vacant compliance inspector positions, but lost other inspectors to retirements and departures for other job opportunities. Some vacant inspector positions were eliminated to meet requirements for budget cuts. There was an increase in inspector vacancies for WMA from 6 to 9.5 FTEs. During FY 2009, the Compliance Program also experienced vacancies in its Enforcement Division, which prepares enforcement actions to resolve violations found during inspections and audits. Entering FY 2010, most inspector vacancies are filled, and the Compliance Program is expecting to fill the remaining vacancies in the near future.

During FY 2009, the Compliance Program implemented a new electronic tool for its inspectors, called TRIP (TEMPO Remote Inspection Process). TRIP feeds into MDE's Department-wide system to consolidate separate databases and create a single tracking system, providing many benefits for managing and reporting on inspections and enforcement cases. The effort required to learn and implement TRIP during FY 2009 affected the number of inspections the Compliance Program conducted during the year. This decrease was anticipated.

During FY 2009, the Water Supply Program continued efforts to manage the drinking water resources throughout Maryland. Capacity management plans were evaluated

for the largest water systems in preparation for Base Realignment and Closure (BRAC) and implementation of a law enacted in 2006 requiring a water resources element in County Comprehensive Plans. Water systems continued to document their current and future water system demands, and to evaluate resource reliability during drought conditions. Implementation of the new regulations including the Arsenic Rule, Stage 2 Disinfection Byproduct Rule and the Long Term 2 Surface Water Treatment Rule continue to impact the overall compliance rate for water systems. Two out of 66 impacted water systems are still in the process of addressing Arsenic Rule treatment requirements; it is expected that the remaining systems will complete their improvements during FY 2010. New federal and State regulations will also continue to increase future enforcement activities in FY 2010.

**Water Management Administration
Performance Measures Executive Summary**

	<u>2008 Totals</u>	<u>2009 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>		
Number of Permits/Licenses Issued	7,098	5,170
Number of Permits/Licenses in Effect at Fiscal Year End	61,294	54,942
<u>OTHER REGULATED SITES/FACILITIES</u>		
Other Sites	4,275	4,026
<u>INSPECTIONS</u>		
Number of Sites Inspected	8,630	7,536
Number of Sites Audited but not inspected	5,440	6,611
Number of Inspections, Audits, Spot Checks	63,426	62,620
<u>ENFORCEMENT ACTIONS</u>		
Number of Compliance Assistance Rendered	3,249	1,965
Number of Enforcement Actions Taken **	752	1,107
<u>PENALTIES</u>		
Amount of Administrative or Civil Penalties Obtained	\$1,899,396	\$679,013

* Derived by adding up all of the coverage universes for each program as listed in the pie chart for each.

** Derived by adding up the number of enforcement actions for each program as listed in the chart for each.

Discharges – Groundwater (Municipal & Industrial)

PURPOSE

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 perform self-monitoring, record keeping and reporting requirements deemed necessary 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 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 criterion for "Significant Noncompliance" has been met. DMR reviews performed by the Compliance Program's Resource Planning and Utilization Division are included 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.

SUCCESSSES/CHALLENGES

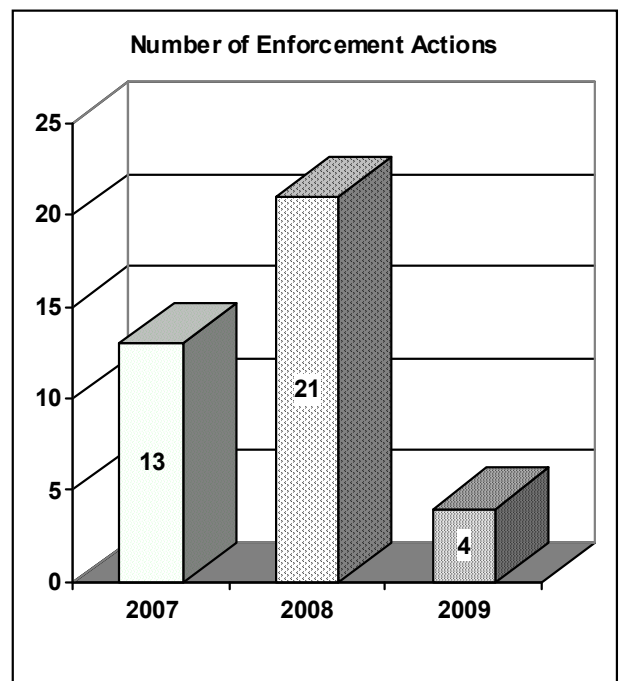
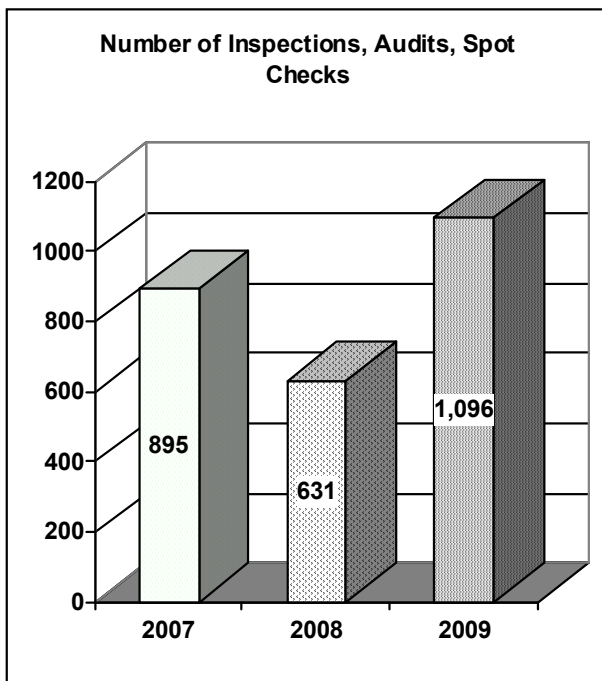
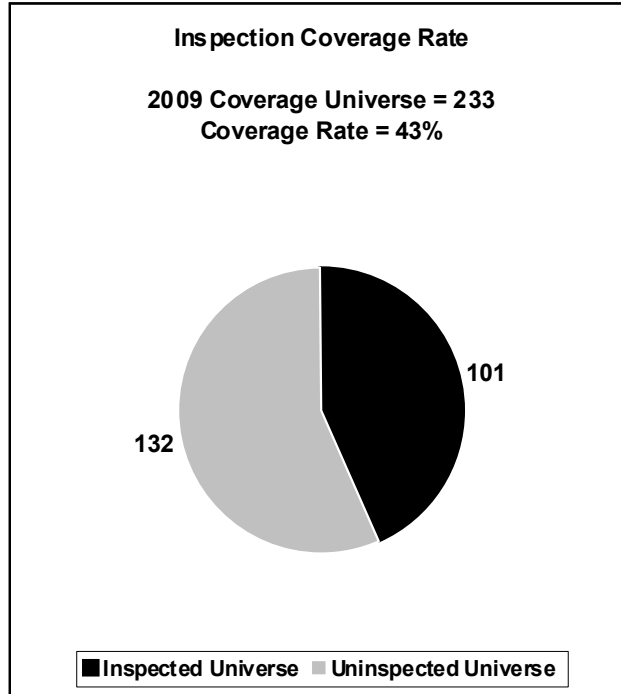
Excessive nutrients, bacteria, and industrial pollutants in wastewater have the potential to impact the quality of groundwater. The groundwater discharge permitting process provides a means of managing these impacts through monitoring, inspection and enforcement. All DMRs submitted were reviewed by the Compliance Program Resource Planning and Utilization Division.

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Discharges – Groundwater (Municipal and Industrial)

Performance Measure	TOTAL		
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued	70		
Number of permits/licenses in effect at fiscal year end	233		
INSPECTIONS			
Number of sites inspected (“inspected” defined as at the site)	101		
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	107		
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	208		
Number of inspections, spot checks (captures number of compliance activities at sites)	104		
Number of audits (captures number of reviews of file/submittals for compliance)	992		
Number of inspections, audits, spot checks (sum of the two measures above)	1,096		
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations	12		
% of inspected sites/facilities with significant violations	11%		
Inspection coverage rate (number of sites inspected/coverage universe)	43%		
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact	15		
Number of significant violations based on technical/preventative deficiencies	1		
Number of significant violations carried over awaiting disposition from previous fiscal year	6		
Total number of significant violations (sum of the three measures above)	22		
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved	4		
Ongoing	18		
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered	6		
60 day citizen suit notices received	0		
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	1	1	2
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
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$130,500

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. Permittees include local, state, and federal government agencies, as well as privately owned treatment systems and private residences. Some industrial discharges to municipal wastewater collection systems may require a pretreatment permit. Certain agricultural activities, specifically, concentrated animal feeding operations, are also required to obtain a NPDES discharge permit.

The NPDES permit system includes a stormwater component to control pollution generated from runoff associated with industrial sites, municipal storm sewer systems, construction activities, and concentrated animal feeding operations. Eleven categories of industry and storm sewer systems operated by certain local 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 combine applicable State and NPDES requirements into one permit for facilities that discharge to State surface waters. The permit is designed to protect water quality standards in the water receiving the discharge.

Note that the inspections performed related to the permits for the discharge of stormwater associated with construction activities are included in this table for surface water discharges instead of in the table for Stormwater Management and Erosion & Sediment Control.

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 Resource Planning and Utilization 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.

SUCCESSSES/CHALLENGES

Excessive nutrients from municipal and industrial wastewater, industrial chemicals in wastewater, and the pollutants carried by stormwater runoff all have the potential to impact the quality of surface waters. Through the surface water discharge permitting process, dischargers are inventoried, inspected, and enforced. Permit writers and inspectors must be familiar with a wide range of discharge permit conditions and prioritize their activities to effectively address pollution control for major dischargers, as well as an increasing number of minor dischargers, to the greatest extent possible with the available staff.

Supplemental Environmental Projects (SEPs)

No SEPs were authorized in FY 2009.

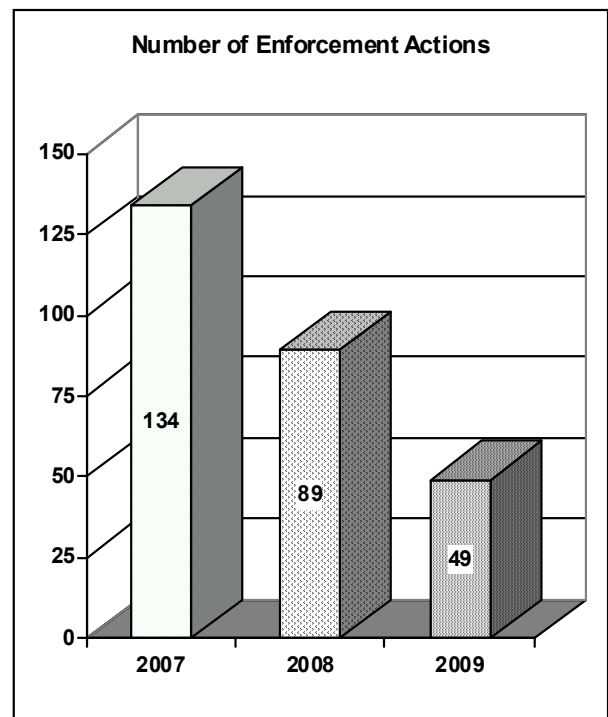
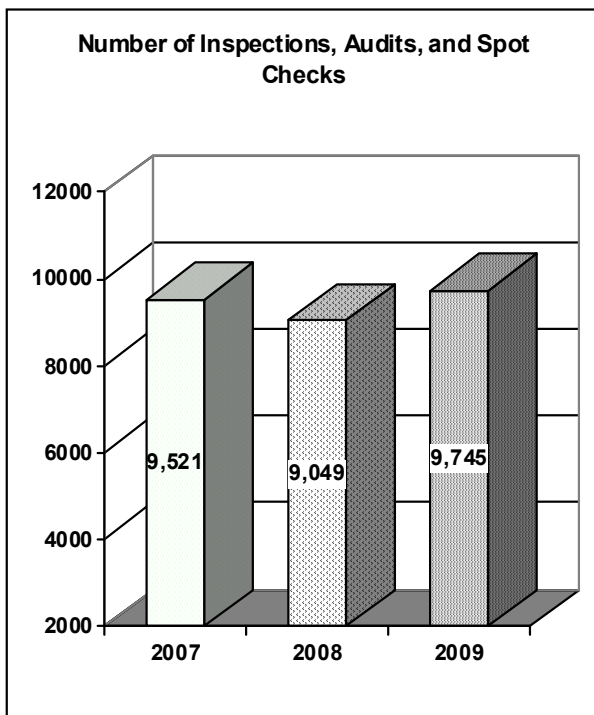
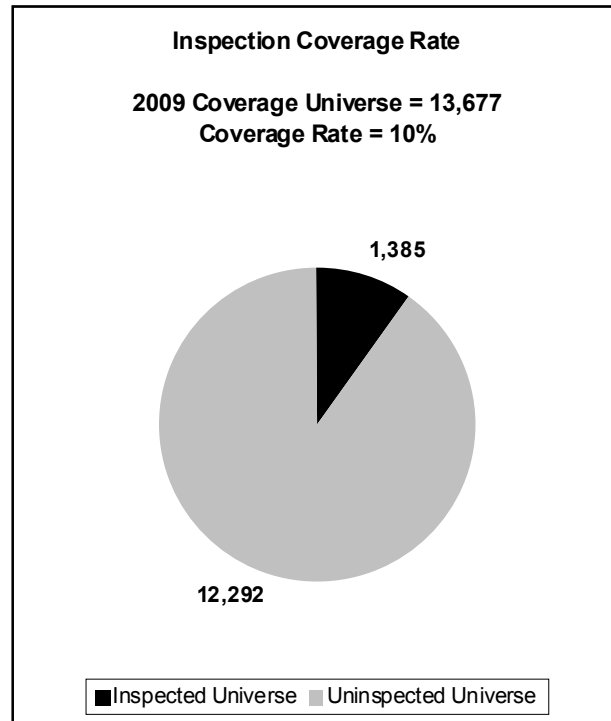
Discharges – Surface Water (Municipal and Industrial) State and NPDES Permits

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued*			1,259
Number of permits/licenses in effect at fiscal year end			13,677
INSPECTIONS			
Number of sites inspected (“inspected” defined as at the site)			1,385
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site) **			326
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)			1,711
Number of inspections, spot checks (captures number of compliance activities at sites)			2,142
Number of audits (captures number of reviews of file/submittals for compliance)			7,603
Number of inspections, audits, spot checks (sum of the two measures above)			9,745
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			79
% of inspected sites/facilities with significant violations			5%
Inspection coverage rate (number of sites inspected/coverage universe)			10%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			79
Number of significant violations based on technical/preventative deficiencies			5
Number of significant violations carried over awaiting disposition from previous fiscal year			35
Total number of significant violations (sum of the three measures above)			119
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			49
Ongoing			70
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered			140
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	3	4	7
Number of stop work orders	0	0	0
Number of injunctions obtained	0	0	0
Number of penalty and other enforcement actions	41	1	42
Number of referrals to Attorney General for possible criminal action			1
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$280,308

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

** See text for more information on changes to the method of counting audited sites.

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 has delegated responsibility for implementation of a pretreatment program to 20 local pretreatment programs that are responsible for 198 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 POTW's; 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.

SUCCESSSES/CHALLENGES

Industrial discharges to wastewater collection and treatment systems have a potential to disrupt and damage sewerage infrastructure due to the contribution of toxic or corrosive discharges. Damaged sewerage infrastructure can result in sanitary sewage overflows and discharges of inadequately treated wastewater. 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. Inspections were also performed 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.

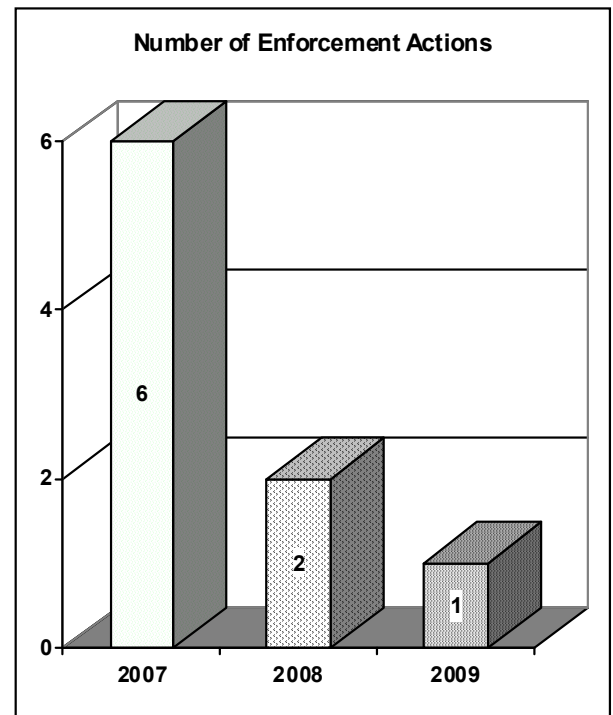
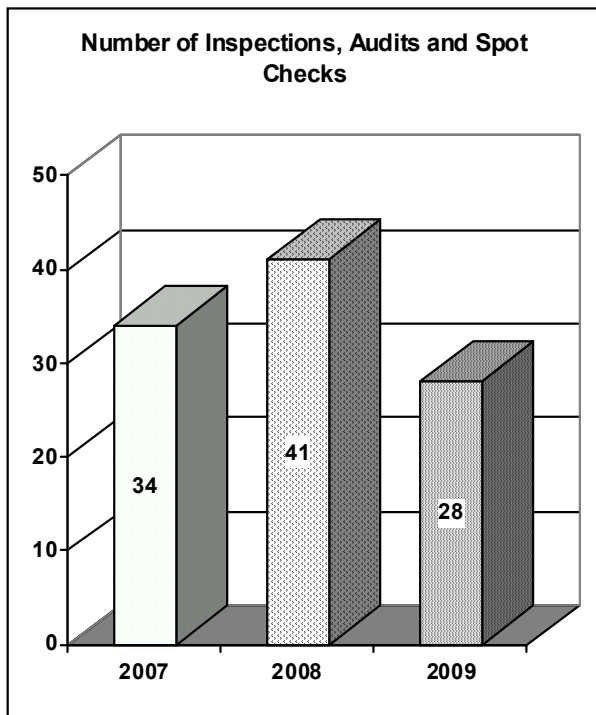
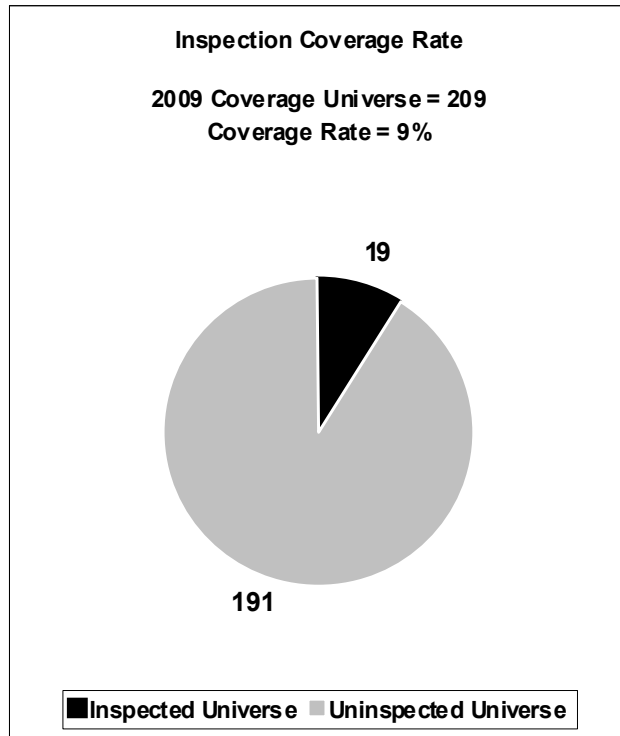
Discharges – Pretreatment (Industrial)

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued			0
Number of permits/licenses in effect at fiscal year end *			4
OTHER REGULATED SITES/FACILITIES			
POTWs			20
POTW issued permits (delegated programs)**			189
INSPECTIONS			
Number of sites inspected (“inspected” defined as at the site)			19
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)			19
Number of inspections, spot checks (captures number of compliance activities at sites)			28
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)			28
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations			1
% of inspected sites/facilities with significant violations			5%
Inspection coverage rate (number of sites inspected/coverage universe)			9%
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact			1
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)			1
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			1
Ongoing			0
ENFORCEMENT ACTIONS			
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	1	0	1
Number of referrals to Attorney General for possible criminal action			0
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$1,000

* These are State-permitted categorical industries.

** 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. However, the Program is responsible for inspecting only the permittees, the POTWs and only some of the industrial users. The Program is required by statute to provide a 100% coverage rate of those facilities. In FY 2009, the program met that requirement.

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 through the use of various stormwater management measures. 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 14 counties and ten municipalities by the state. Inspections cover construction projects in non-delegated counties and inspections at 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 nonfederal projects is, by law, the responsibility of each local jurisdiction. Inspections of stormwater management facilities are performed for state and federal projects only. Upon issuance of a permit or authorization (whether by the Sediment and Stormwater Plan Review Division or by the local sediment control approval authority), the file is transferred to the Compliance Program where an inspection priority is assigned. Routine 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 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.

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

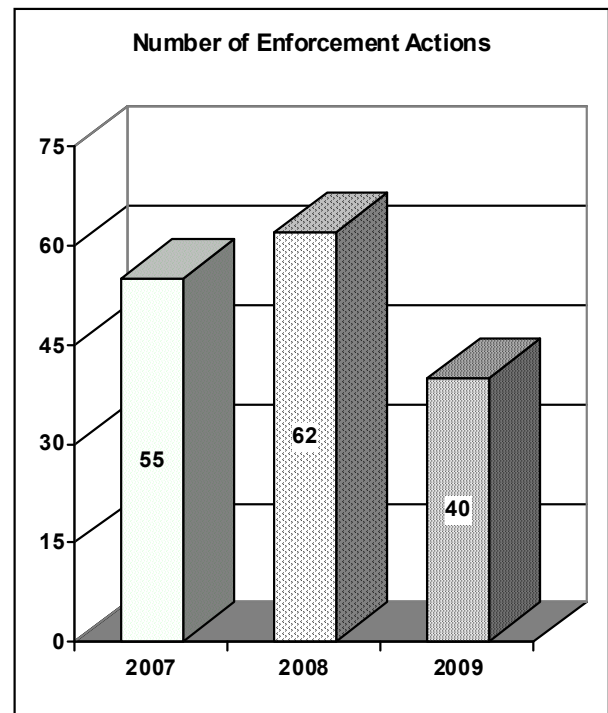
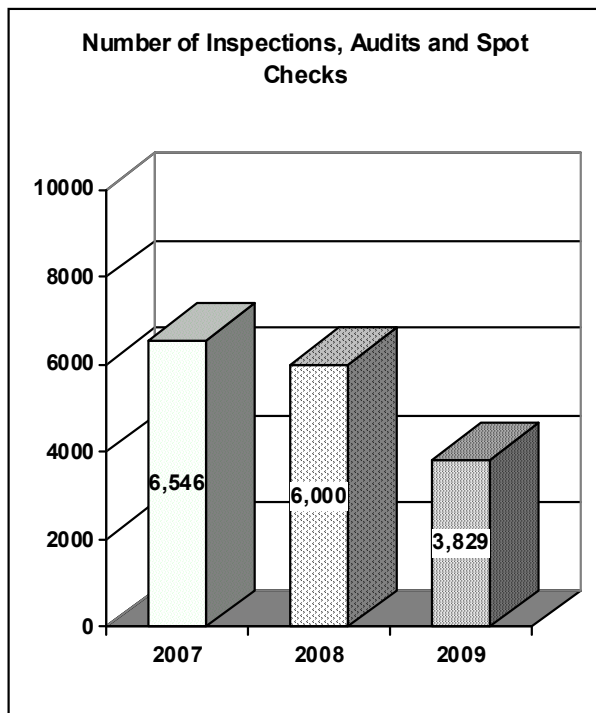
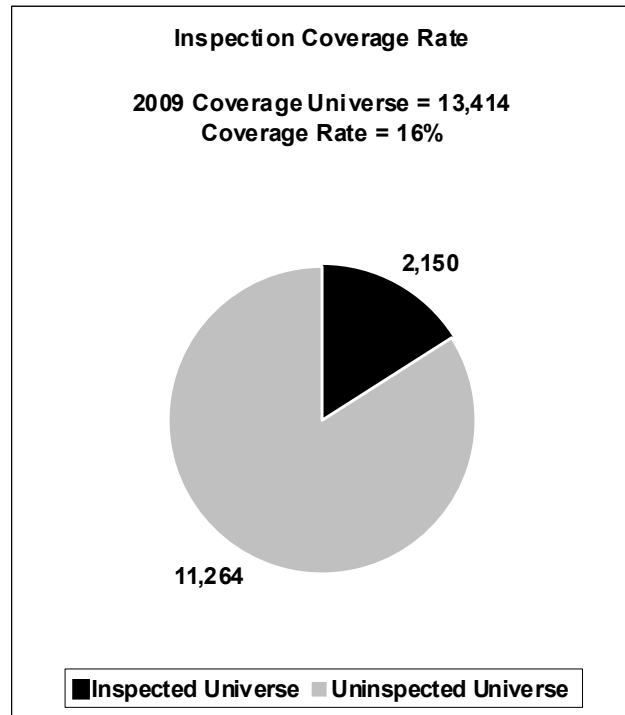
Inspections remain a priority. *COMAR 26.17.01.09.D.(2)*, states: “Ensure that every active site having a designed erosion and sediment control plan is inspected for compliance with the approved plan on the average of once every two weeks.” This requirement is not being met due to workload.

As in previous years, the Allegany and Frederick 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.

Stormwater Management and Erosion & Sediment Control For Construction Activity

Performance Measure	TOTAL		
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued	308		
Number of permits/licenses in effect at fiscal year end	13,414		
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)	2,150		
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)	2,150		
Number of inspections, spot checks (captures number of compliance activities at sites)	3,829		
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)	3,829		
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations	74		
% of inspected sites/facilities with significant violations	3%		
Inspection coverage rate (number of sites inspected/coverage universe)	16%		
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact	70		
Number of significant violations based on technical/preventative deficiencies	4		
Number of significant violations carried over awaiting disposition from previous fiscal year	31		
Total number of significant violations (sum of the three measures above)	105		
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved	26		
Ongoing	79		
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered	215		
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	11	5	16
Number of stop work orders	14	0	14
Number of injunctions obtained	0	0	0
Number of penalty and other enforcement actions	9	1	10
Number of referrals to Attorney General for possible criminal action			0
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$148,811

Stormwater Management and Erosion & Sediment Control For Construction Activity



Mining – Coal

PURPOSE

The purpose of a coal-mining permit is to minimize the effects of coal mining on the environment. In addition to environmental controls, the permit provides for proper land reclamation and ensures public safety. Performance bonds must also be posted and are released after satisfactory reclamation. Permits issued by the Bureau of Mines are required for surface coal mining, deep coal mining, prospecting, preparation plants, loading facilities, and refuse reclamation operations. All coal mining activity occurs in Allegany and Garrett Counties. For the upcoming Fiscal Year 2010, the Land Management Administration will be handling coal mining permitting, compliance, and enforcement activity.

AUTHORITY

FEDERAL: Surface Mining Control and Reclamation Act of 1977

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

PROCESS

Upon issuance of a permit, license, or authorization, the file is transferred to WMA's Compliance Program where an inspection priority is assigned. By agreement with the federal Office of Surface Mining (OSM), the program has committed to inspect each permitted facility on a monthly basis. The inspectors schedule routine inspections of the facilities adhering to the assigned priority as much 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.

SUCCESSSES/CHALLENGES

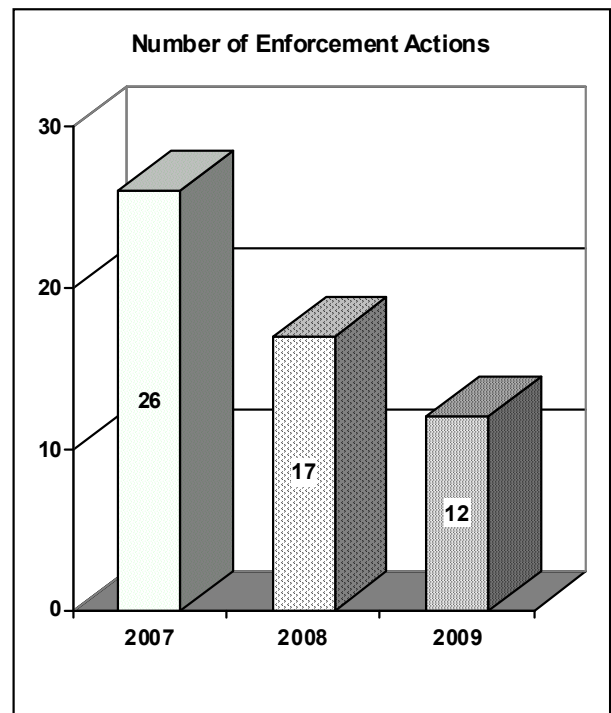
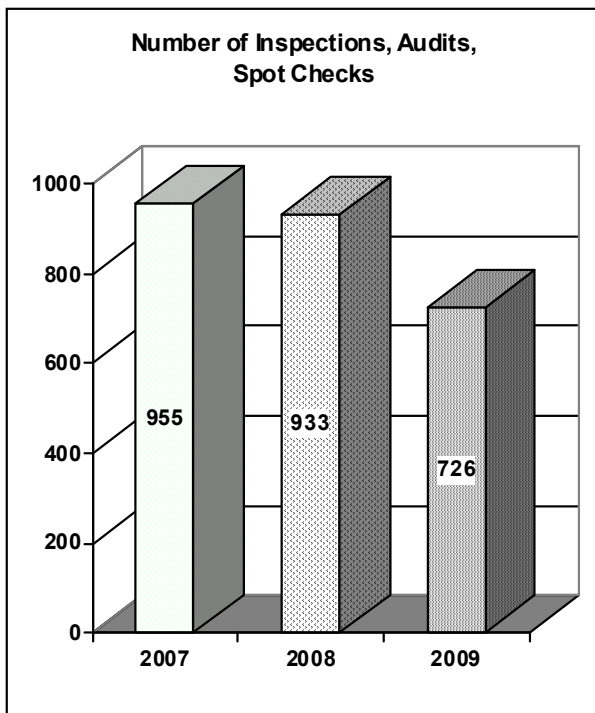
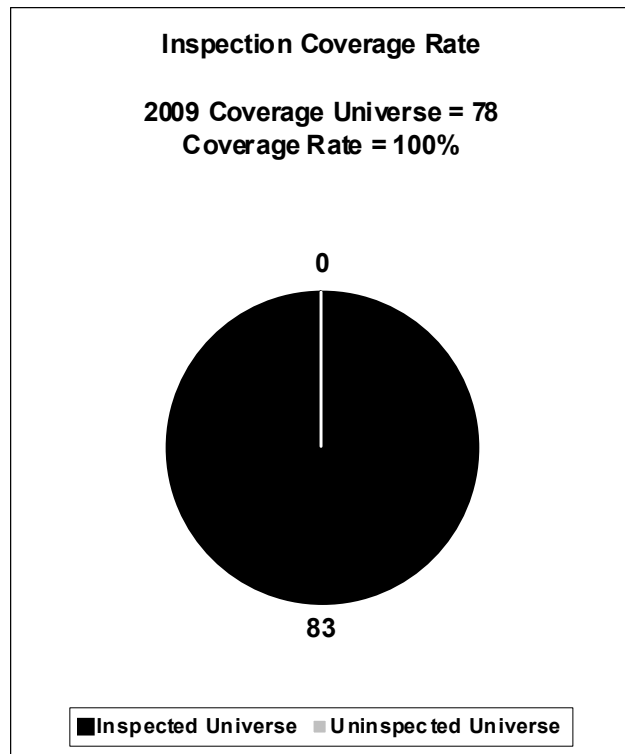
Coal mining has a potential to degrade water quality through the transport of sediment-laden water and acidic water that can adversely impact the aquatic habitat. Proper land reclamation after the completion of the mining activity provides a benefit to the water quality as well as productive use of the land. Proper planning and land reclamation is important to ensure that these negative impacts do not occur. The Compliance Program strives to perform monthly inspections of each active surface mining and reclamation operation.

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Mining - Coal

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of permits/licenses issued	80
Number of permits/licenses in effect at fiscal year end	78
OTHER REGULATED SITES/FACILITIES	
Prospect and forfeiture sites	0
Coal mining operator licenses issued	32
Coal mining operator licenses in effect at fiscal year end	32
Surface coal mining blaster certifications issued	11
Surface coal mining blaster certifications at fiscal year end	40
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	83
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)	83
Number of inspections, spot checks (captures number of compliance activities at sites)	726
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)	726
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	5
% of inspected sites/facilities with significant violations	6%
Inspection coverage rate (number of sites inspected/coverage universe)	100%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	5
Number of significant violations based on technical/preventative deficiencies	0
Number of significant violations carried over awaiting disposition from previous fiscal year	4
Total number of significant violations (sum of the three measures above)	9
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	7
Ongoing	2
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	26
	Administrative Civil/Judicial Total
Number of show cause, remedial, corrective actions issued	1 0 1
Number of stop work orders	6 0 6
Number of injunctions obtained	0 0 0
Number of penalty and other enforcement actions	4 1 5
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$30,900

Mining – Coal



Mining – Non-Coal

PURPOSE

The purpose of mining permits is to minimize the effects of surface mining on the environment. In addition to environmental controls, the permit provides for proper land reclamation and ensures public safety. A performance bond of \$1,250 per acre is required to ensure that proper reclamation occurs.

AUTHORITY

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

PROCESS

Upon issuance of a permit, license, or authorization, the file is transferred to WMA's Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities adhering to the assigned priority as much 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.

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

SUCSESSES/CHALLENGES

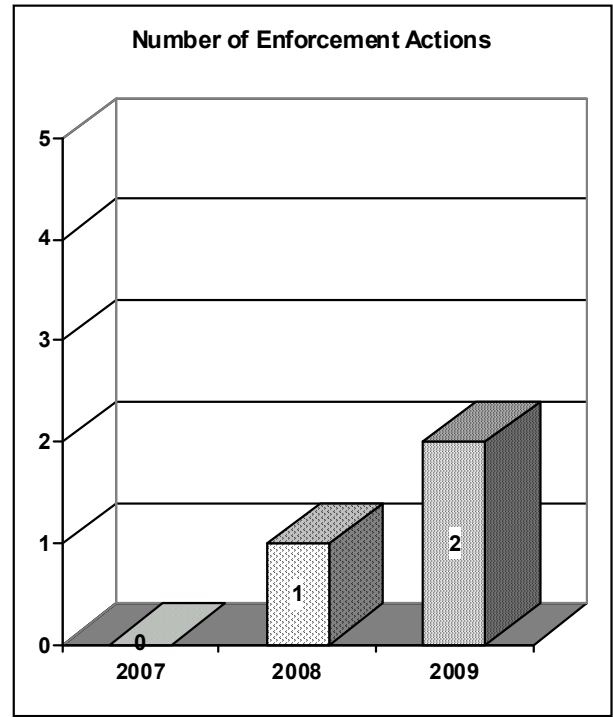
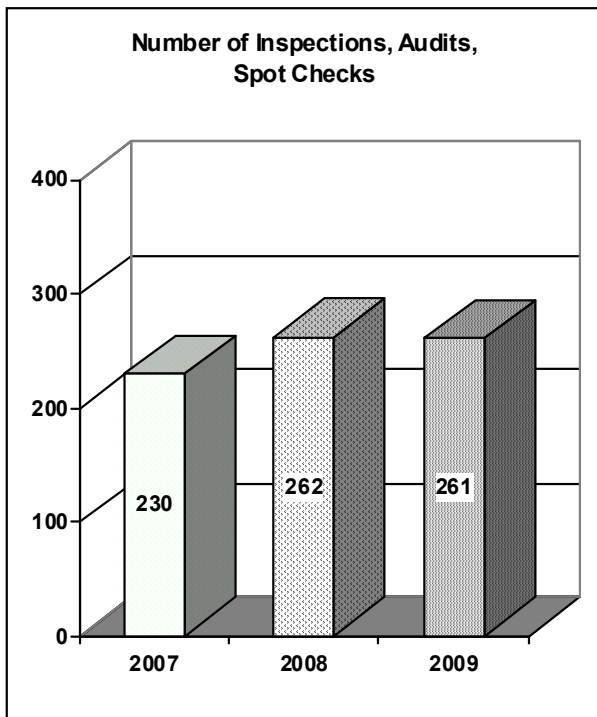
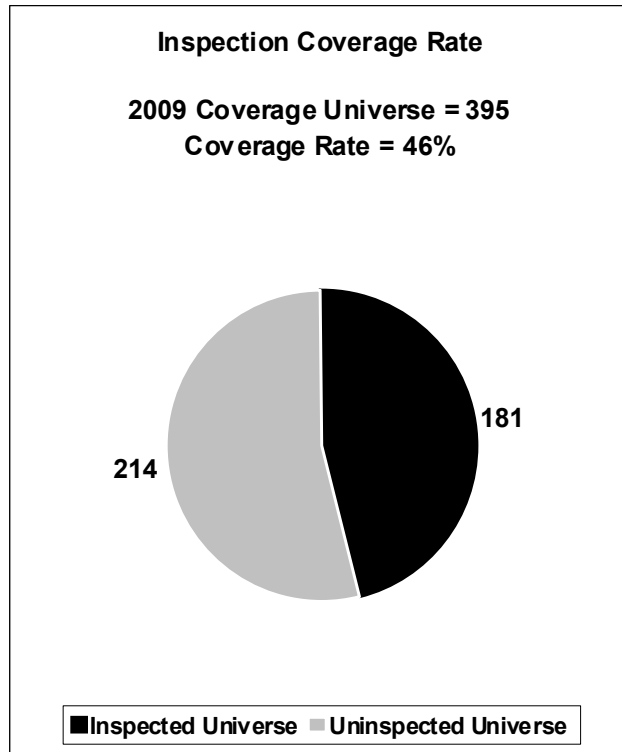
Mining has the potential to degrade water quality through the transport of sediment-laden water from drainage and stormwater runoff. These factors can adversely impact the aquatic habitat. Proper mining practices and land reclamation after the completion of the mining activity provides a benefit to the water quality. The inspection program evaluates mining practices, reclamation and stormwater management for compliance to ensure that adverse impacts to surface and groundwater are minimized. §15-828(a) of the Environment Article states, "At any reasonable time which the Department elects, but at least once a year, the Department shall cause each permit area to be inspected to determine if the permittee has complied with the mining and reclamation plan, the requirements of this subtitle, any rules and regulations adopted under it..." The Compliance Program strives to perform annual inspections as resources allow.

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Mining – Non-Coal

Performance Measure	TOTAL																								
PERMITTED SITES/FACILITIES																									
Number of permits/licenses issued	348																								
Number of permits/licenses in effect at fiscal year end	395																								
INSPECTIONS																									
Number of sites inspected (“inspected” defined as at the site)	181																								
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)	181																								
Number of inspections, spot checks (captures number of compliance activities at sites)	261																								
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)	261																								
COMPLIANCE PROFILE																									
Number of inspected sites/facilities with significant violations	2																								
% of inspected sites/facilities with significant violations	1%																								
Inspection coverage rate (number of sites inspected/coverage universe)	46%																								
SIGNIFICANT VIOLATIONS																									
Number of significant violations involving environmental or health impact	1																								
Number of significant violations based on technical/preventative deficiencies	1																								
Number of significant violations carried over awaiting disposition from previous fiscal year	2																								
Total number of significant violations (sum of the three measures above)	4																								
DISPOSITION OF SIGNIFICANT VIOLATIONS																									
Resolved	3																								
Ongoing	1																								
ENFORCEMENT ACTIONS																									
Number of compliance assistance rendered	25																								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></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;">1</td> <td style="text-align: center;">1</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;">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	1	1	2	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	1	1	2																						
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																						
Number of show cause, remedial, corrective actions issued	2																								
Number of stop work orders	0																								
Number of injunctions obtained	0																								
Number of penalty and other enforcement actions	0																								
Number of referrals to Attorney General for possible criminal action	0																								
PENALTIES																									
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$39,500																								

Mining – Non-Coal



Oil and Gas Exploration and Production

PURPOSE

Permits are required for the drilling and operation of a gas or oil well, the operation of a natural gas storage facility, and for oil and natural gas exploration using seismic operations. Permits include environmental controls to ensure public safety, to provide for the protection of public and private property, and to minimize impacts resulting from the operation.

AUTHORITY

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

PROCESS

Upon issuance of a permit, license, or authorization, the file is transferred to WMA's Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities in accordance with the assigned priority. Facilities are not given advance notification of routine inspections. Site inspections may be adjusted to reflect changing workloads or inspection priorities. The inspections verify that the operator is in compliance with any special conditions specific to the permit.

SUCCESSSES/CHALLENGES

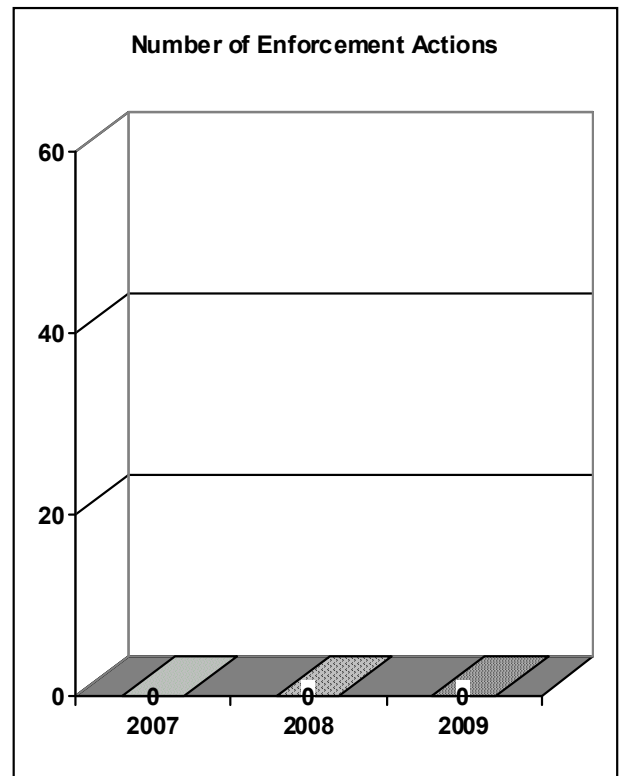
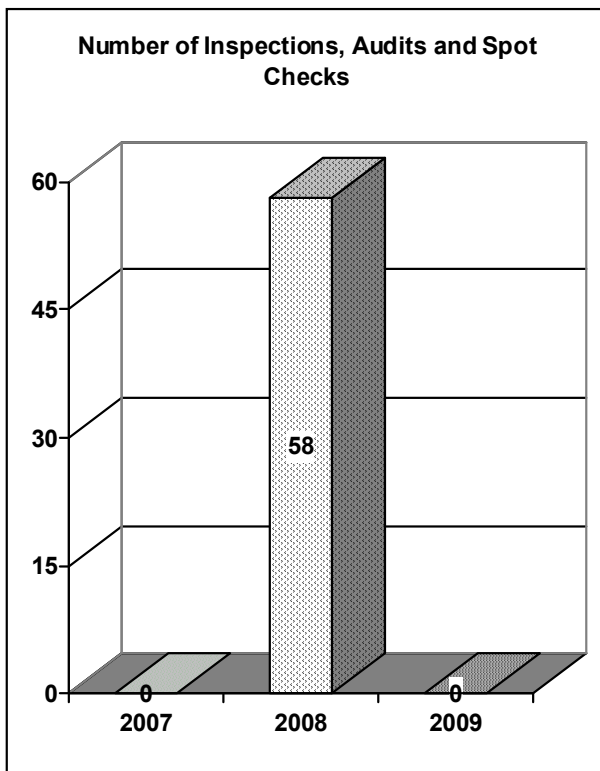
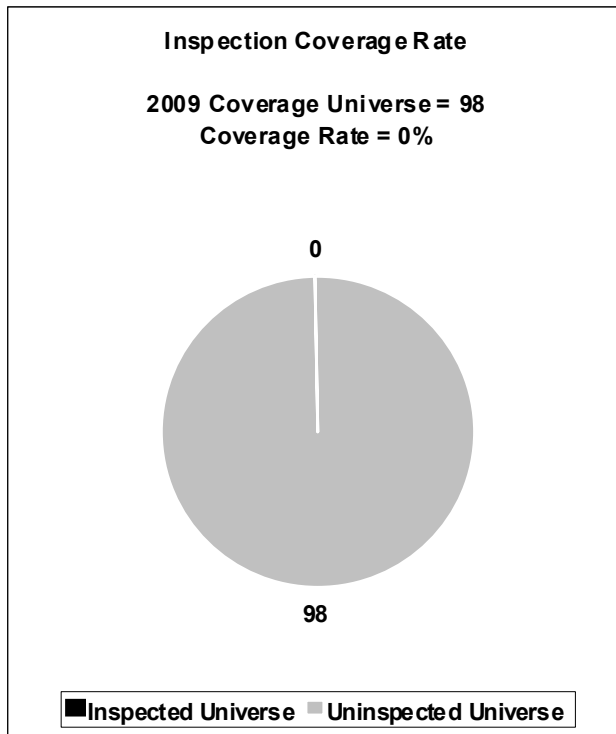
The Compliance Program strives to perform annual inspections of these facilities as resources allow, but they are given a lower priority than other sites that may have more significant impacts to public health and the environment. Many of the sites are inactive. No inspections of these facilities were performed in FY 2009.

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Oil and Gas Exploration and Production

Performance Measure			TOTAL
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued			9
Number of permits/licenses in effect at fiscal year end			98
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)			0
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)			0
Number of inspections, spot checks (captures number of compliance activities at sites)			0
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)			0
COMPLIANCE PROFILE			
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)			0%
SIGNIFICANT VIOLATIONS			
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
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved			0
Ongoing			0
ENFORCEMENT ACTIONS			
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
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)			\$0

Oil and Gas Exploration and Production



Water Supply Program

PURPOSE

The Water Supply Program (WSP) ensures that public drinking water systems provide safe and adequate water to all present and future users in Maryland, and that appropriate usage, planning and conservation policies are implemented for Maryland water resources. This is accomplished through permitting and proper planning for water withdrawal, protection of water resources that are used for public water supplies, oversight and enforcement of routine water quality monitoring at public water systems and of water appropriation permits, regular on-site inspections of water systems and prompt response to water supply emergencies.

Community and Non-Transient Non-Community Water Systems

The WSP regulates approximately 1,045 community water systems (such as municipalities, small and large 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 2,479 transient non-community water systems (such as convenience stores, campgrounds, and restaurants) throughout the State, which are regularly inspected and tested for acute contaminants. Since 1998, MDE has negotiated delegation agreements with county health departments for enforcement of Safe Drinking Water Act regulations for the transient non-community water systems. Twenty of the 23 counties have accepted delegated authority for these systems, and MDE has direct enforcement of the requirements for the three remaining counties.

Drinking Water Laboratory Certification

In FY 2006, the Drinking Water Laboratory Certification Program moved from the Department of Health and Mental Hygiene to MDE. 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. FY 2008 was the first year for reporting these activities.

Water Appropriation Permits

The WSP also regulates water withdrawals and diversions through a permitting program to conserve and protect the State's water resources for the best interest of the people. Water uses for most purposes (public supply, business, institutional, subdivision of land or agricultural use over 10,000 gallons per day, or gpd) require a permit. Since FY 2007, groundwater uses of 5,000 gpd or less are exempted from obtaining a permit unless the use was within a designated water management

strategy area. Uses for fire fighting and domestic purposes are also exempt. 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. There are approximately 12,300 active water appropriation permits.

AUTHORITY

Public Drinking Water

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 maintenance of licensed operators at 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 35,000 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

Twenty 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. WSP provides guidance and training to the counties, and reports only health-based violations to EPA for these systems. WSP is also conducting statewide evaluations 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.

WSP directly oversees implementation of federal and State regulations for transient non-community water systems in Prince George's, Montgomery and Wicomico counties since these three counties declined the delegated program and funding assistance. Currently, 118 transient water systems are directly overseen by WSP. 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

WSP regulates approximately 117 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. An inspection is required before a laboratory receives certification, or approval for a new test method.

Water Appropriation Permits

Maryland regulates water use under the reasonable use doctrine, which holds that every property owner has a right to make a reasonable use of the water associated with his or her property, as long as the use does not have unreasonable impacts on the water resource, or on other users of the resource. Most uses of water require a permit if the usage exceeds 5,000 gallons per day (gpd). Domestic uses are exempted, as well as certain other uses such as extinguishing a fire, temporary dewatering, and agricultural use under 10,000 gpd.

SUCSESSES/CHALLENGES

Drinking Water Regulations

WSP provided guidance material and training on security, and new federal regulations to public water systems throughout the State in 2009. As of August 2009, all but two of 66 water systems have achieved compliance with the new arsenic drinking water standard. The enforcement of new regulations resulted in an increase in the number of technical violations that were incurred by community and non-transient non-community water systems during the fiscal year. Compliance with the new regulations is expected to improve as water systems become familiar with the new requirements. In FY 2010, several major regulations will be adopted and implemented including the Long Term 2 Surface Water Treatment Rule, the Stage 2 Disinfection Byproduct Rule and the Ground Water Rule.

Water Appropriation Permits

During FY 2009, the WSP began issuing Notices of Violation for several different violations of permit requirements, including failure to obtain or renew a permit, failure to report water usage as required by the permit, failure to maintain adequate flow-bys or meet other special conditions, and for withdrawing more water than is allowed under the permit. Managing the data in order to properly identify violations and enforcement follow-up presents a challenge due to the limited capabilities of the existing database. The percentage of permittees who report pumpage as required has improved over the past two years since MDE obtained authority to enforce reporting provisions.

Water Supply Program

Community and Non-Transient Non-Community Water Systems

Performance Measure	TOTAL																												
PERMITTED SITES/FACILITIES																													
Number of permits/licenses issued *	0																												
Number of permits/licenses in effect at fiscal year end	0																												
OTHER REGULATED SITES/FACILITIES																													
Number of community and non-transient non-community water systems **	1,045																												
INSPECTIONS																													
Number of sites inspected ("inspected" defined as at the site)	937																												
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	108																												
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	1,045																												
Number of inspections, spot checks (captures number of compliance activities at sites)	937																												
Number of audits (captures number of reviews of file/submittals for compliance)	29,336																												
Number of inspections, audits, spot checks (sum of the two measures above)	30,273																												
COMPLIANCE PROFILE																													
Number of inspected sites/facilities with significant violations ***	27																												
% of inspected sites/facilities with significant violations	3%																												
Inspection coverage rate (number of sites inspected/coverage universe) ****	97%																												
SIGNIFICANT VIOLATIONS																													
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	17																												
Total number of significant violations (sum of the three measures above)	26																												
DISPOSITION OF SIGNIFICANT VIOLATIONS																													
Resolved	9																												
Ongoing	17																												
ENFORCEMENT ACTIONS																													
Number of compliance assistance rendered *****	1,045																												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 20%; text-align: center;">Administrative</th> <th style="width: 20%; 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;">705</td> <td style="text-align: center;">0</td> <td style="text-align: center;">705</td> </tr> <tr> <td>Notices given to public by water systems under Section 9-410</td> <td colspan="2"></td> <td style="text-align: center;">73</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	705	0	705	Notices given to public by water systems under Section 9-410			73	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	705	0	705																										
Notices given to public by water systems under Section 9-410			73																										
Number of referrals to Attorney General for possible criminal action			0																										
PENALTIES																													
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0																												

* Sampler certification training was outsourced to a third-party effective FY 2009. No permits were issued for this time period.

** This number includes 484 community water systems and 561 Non-transient Non-community water systems.

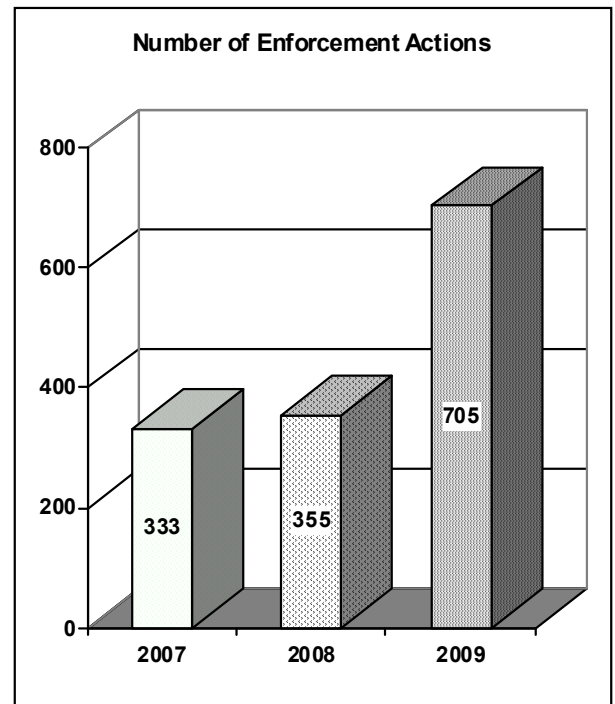
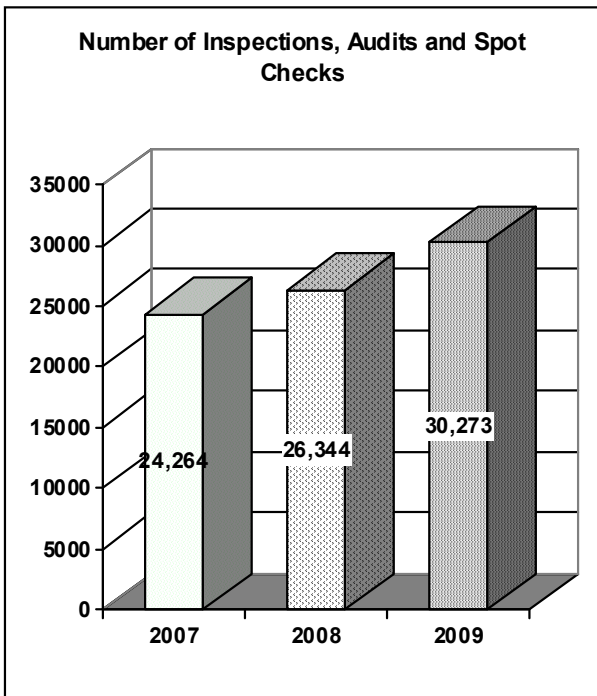
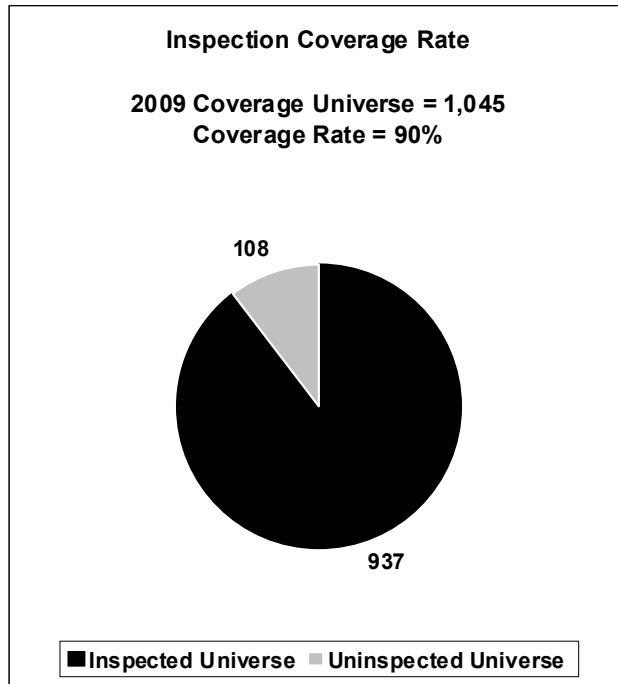
*** Number of sites in significant violation includes sites with violations carried over. MDE adopted a new policy for significant violations that was implemented in FY 2009. This also affected violations carried over, reducing it from 107 to 17.

**** Coverage rate above 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
PERMITTED SITES/FACILITIES	
Number of permits/licenses issued	N/A
Number of permits/licenses in effect at fiscal year end	N/A
OTHER REGULATED SITES/FACILITIES	
Number of transient non-community water systems	2,479
INSPECTIONS	
Number of sites inspected ("inspected" defined as at the site)	399
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	1,968
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	2,367
Number of inspections, spot checks (captures number of compliance activities at sites)	399
Number of audits (captures number of reviews of file/submittals for compliance)	12,098
Number of inspections, audits, spot checks (sum of the two measures above)	12,497
COMPLIANCE PROFILE	
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) *	16%
SIGNIFICANT VIOLATIONS	
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	5
Total number of significant violations (sum of the three measures above)	5
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	0
Ongoing	5
ENFORCEMENT ACTIONS	
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	238 0 238
Notices given to public by water systems under Section 9-410 **	88
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0

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

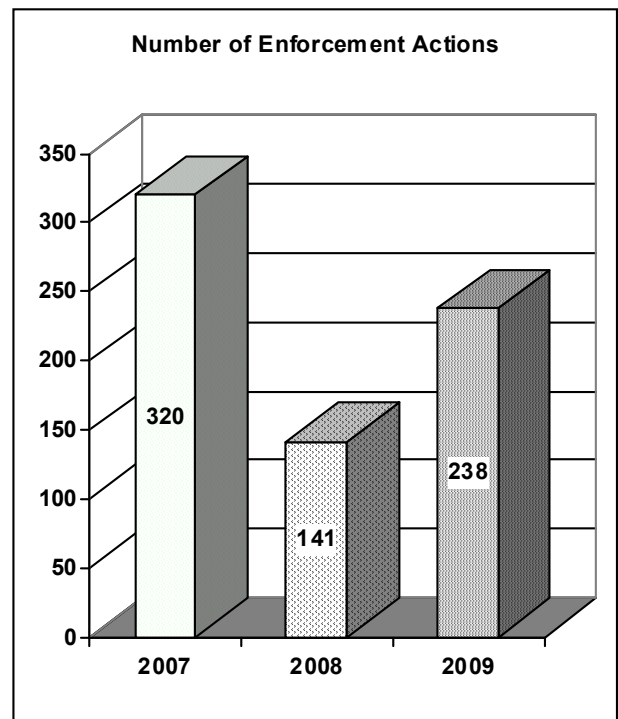
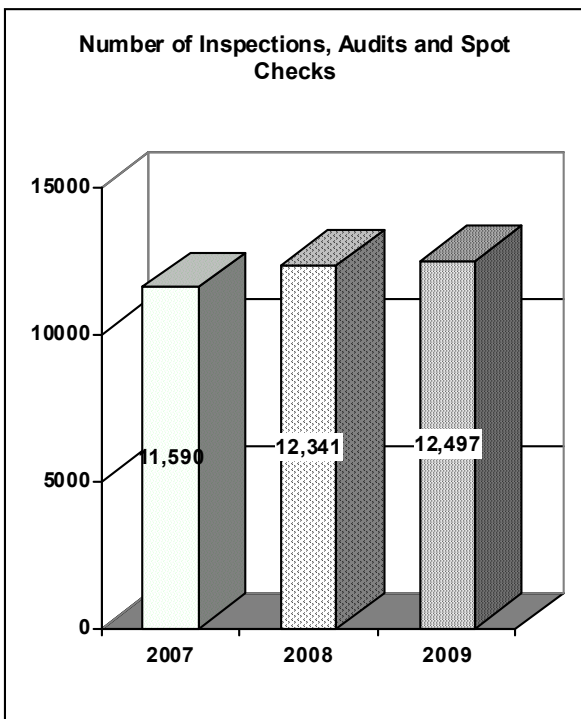
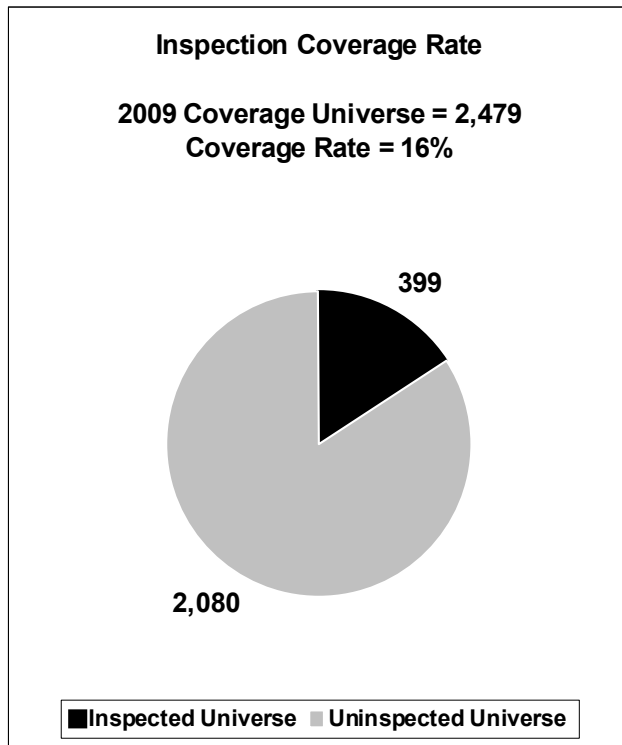
** This number includes actions to inform public water systems of monitoring requirements under the Safe Drinking Water Act.

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

Water Supply Program

Transient Non-Community Water Systems

These systems were reported separately for the first time in FY 2003.



Water Supply Program

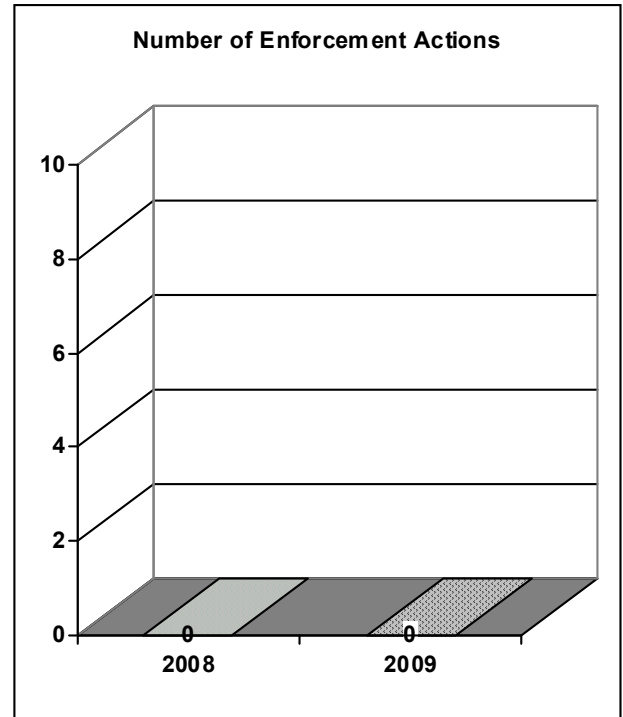
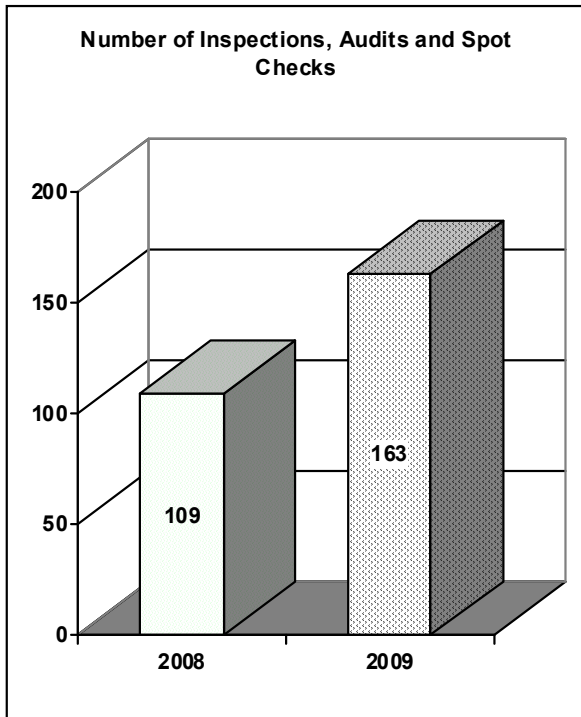
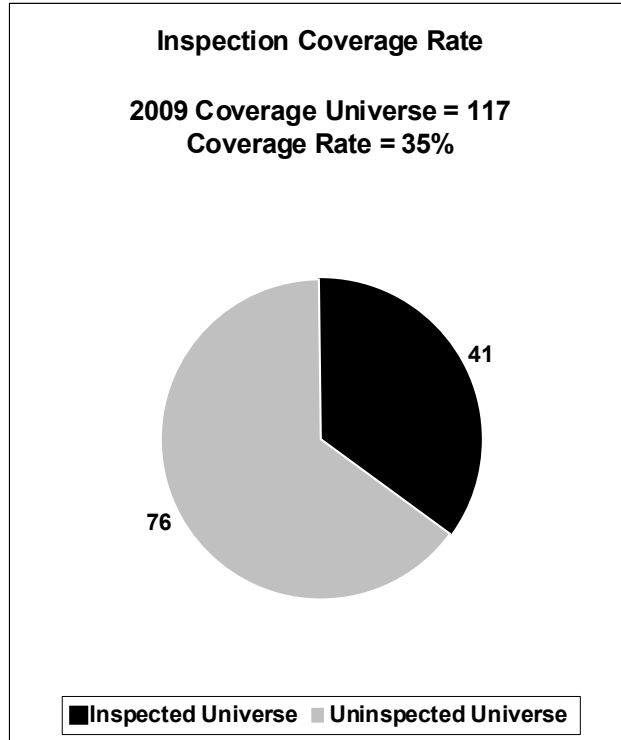
Drinking Water Laboratory Certification (New FY 2008)

Performance Measure	TOTAL																				
PERMITTED SITES/FACILITIES																					
Number of permits/licenses issued	148																				
Number of permits/licenses in effect at fiscal year end	117																				
OTHER REGULATED SITES/FACILITIES																					
Number of state-certified drinking water laboratories	117																				
INSPECTIONS																					
Number of sites inspected ("inspected" defined as at the site)	41																				
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	78																				
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	119																				
Number of inspections, spot checks (captures number of compliance activities at sites)	51																				
Number of audits (captures number of reviews of file/submittals for compliance)	112																				
Number of inspections, audits, spot checks (sum of the two measures above)	163																				
COMPLIANCE PROFILE																					
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)*	35%																				
SIGNIFICANT VIOLATIONS																					
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																				
DISPOSITION OF SIGNIFICANT VIOLATIONS																					
Resolved	0																				
Ongoing	0																				
ENFORCEMENT ACTIONS																					
Number of compliance assistance rendered	0																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></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> </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																				
PENALTIES																					
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0																				

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

Water Supply Program

Drinking Water Laboratory Certification (New FY 2008)



Water Supply Program

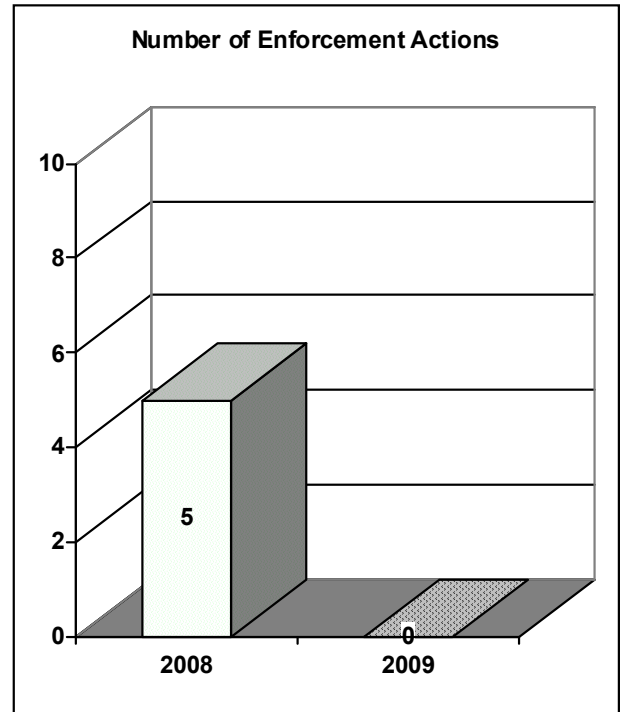
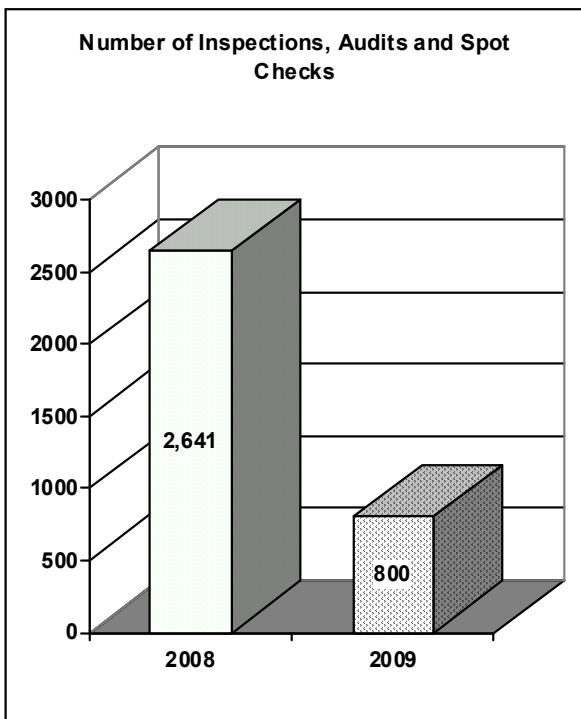
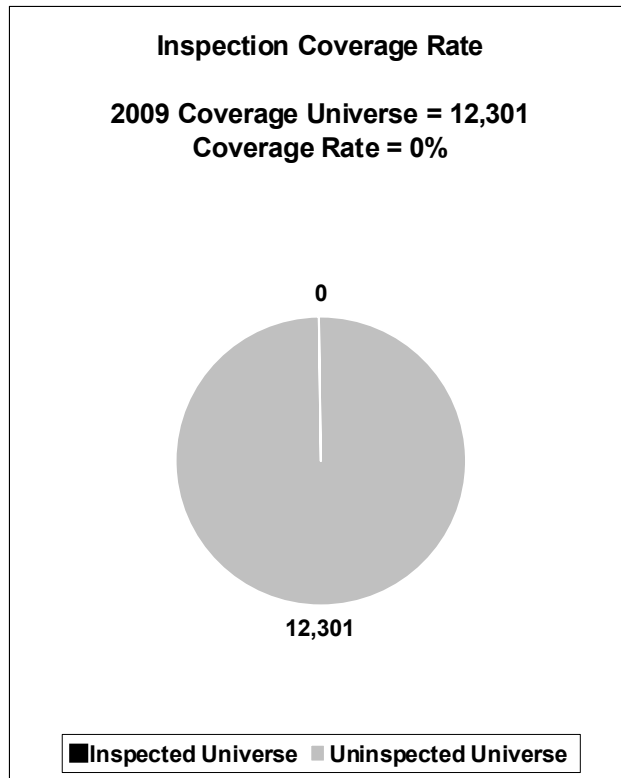
Water Appropriation Permits (New FY 2008)

Performance Measure	TOTAL																												
PERMITTED SITES/FACILITIES																													
Number of permits/licenses issued	657																												
Number of permits/licenses in effect at fiscal year end	12,301																												
OTHER REGULATED SITES/FACILITIES																													
	N/A																												
INSPECTIONS																													
Number of sites inspected ("inspected" defined as at the site)	0																												
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	800																												
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	800																												
Number of inspections, spot checks (captures number of compliance activities at sites)	0																												
Number of audits (captures number of reviews of file/submittals for compliance)	800																												
Number of inspections, audits, spot checks (sum of the two measures above)	800																												
COMPLIANCE PROFILE																													
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)*	0%																												
SIGNIFICANT VIOLATIONS																													
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	1																												
Total number of significant violations (sum of the three measures above)	0																												
DISPOSITION OF SIGNIFICANT VIOLATIONS																													
Resolved	1																												
Ongoing	0																												
ENFORCEMENT ACTIONS																													
Number of compliance assistance rendered	211																												
	<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>Notices given to public by water systems under Section 9-410</td> <td colspan="3" style="text-align: center;">N/A</td> </tr> <tr> <td>Number of referrals to Attorney General for possible criminal action</td> <td colspan="3" 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	Notices given to public by water systems under Section 9-410	N/A			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																										
Notices given to public by water systems under Section 9-410	N/A																												
Number of referrals to Attorney General for possible criminal action	0																												
PENALTIES																													
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0																												

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

Water Supply Program

Water Appropriation Permits (New FY 2008)



Water Supply and Sewerage Construction

PURPOSE

The purpose of water and sewerage construction permits is to ensure that infrastructure projects throughout the State are designed using sound engineering principles and that they comply with State design guidelines to protect water quality and public health. Water and sewerage construction 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: Applicants must show that the proposed water and/or sewerage facilities are included in the current county water and sewerage plans, have a valid NPDES discharge permit (if applicable), and certify that the proposed water and/or sewerage facilities 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 in this media 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 and or other operating standards. 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 and 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 projects are inspected on a routine basis through completion.

SUCSESSES/CHALLENGES

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 principle and comply with the State design guidelines to protect water quality and public health.

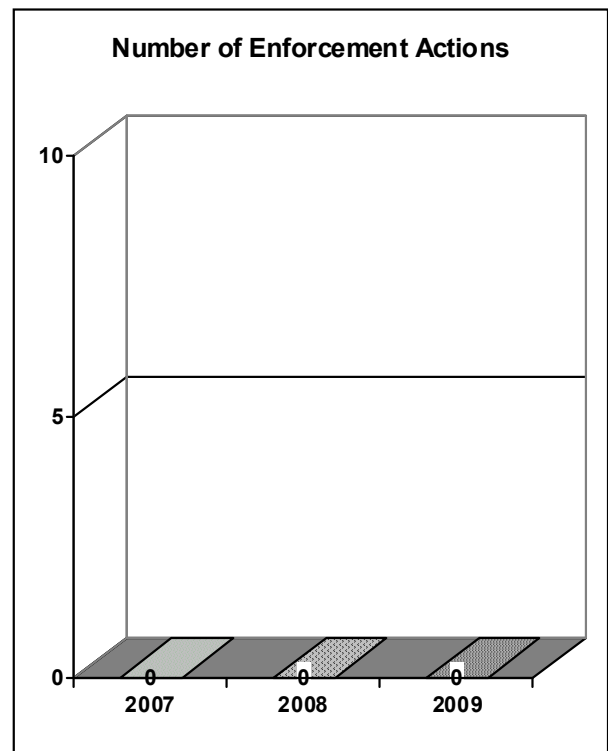
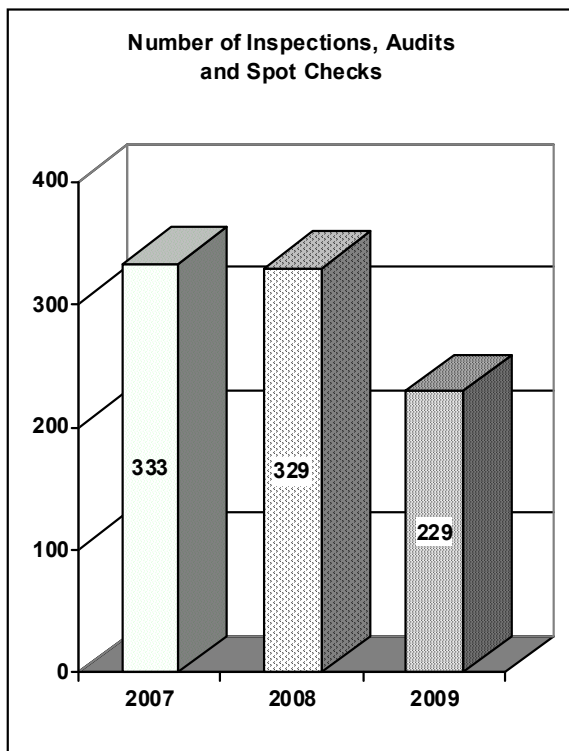
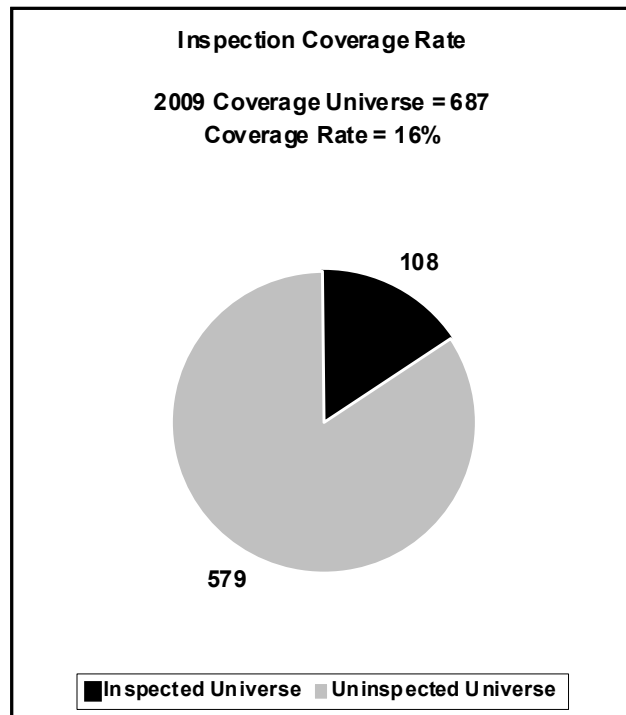
Over the past year the activity numbers have remained fairly consistent with the previous years' activities; the program is on target with its goals. The number of inspections performed is a function of the number of active construction projects being financed by MDE. MDE monitors all projects for which State financial assistance is being provided. Accordingly, the annual number of inspections will vary as the number of financed projects initiate and complete construction.

Water Supply and Sewerage Construction

Performance Measure	TOTAL																								
PERMITTED SITES/FACILITIES																									
Number of permits/licenses issued	130																								
Number of permits/licenses in effect at fiscal year end	687																								
INSPECTIONS																									
Number of sites inspected ("inspected" defined as at the site)	108																								
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)	108																								
Number of inspections, spot checks (captures number of compliance activities at sites)	229																								
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)	229																								
COMPLIANCE PROFILE																									
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)	16%																								
SIGNIFICANT VIOLATIONS																									
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																								
DISPOSITION OF SIGNIFICANT VIOLATIONS																									
Resolved	0																								
Ongoing	0																								
ENFORCEMENT ACTIONS*																									
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	0	0	0																						
Number of referrals to Attorney General for possible criminal action			0																						
PENALTIES																									
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 requires the return of grant proceeds. MDE may indirectly use its general water pollution authority if a constructed facility violates the law.

Water Supply and Sewerage Construction



Waterway Construction – Dam Safety

PURPOSE

The purpose of the Maryland Dam Safety Division is to assure 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).

The Dam Safety Division, through its dam inspection, dam owner assistance, permitting and enforcement initiatives, seeks to prevent dam failures and the resultant loss of life, property damage and environmental impacts. Dam failures cause significant erosion of stream channels and sediment deposition in the channel and in the storage area behind the impoundment. 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 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 or to perform sediment control inspections at the request of the permitting division or in response to citizens' complaints.

The Dam Safety Division performs safety inspections of all high hazard (failure will likely cause loss of life) dams once a year, and inspects significant hazard (failure will likely cause significant property damage and damage to important infrastructure) dams every three years. Low hazard dams are inspected once every five to seven years. 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 from a letter advising the owner to correct noted deficiencies up to declaring the dam unsafe and in need of repair with an Order requiring repairs or other action be taken to assure the safety of the dam.

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

SUCSESSES/CHALLENGES

When the Dam Safety Division set its inspection targets at the start of FY 2009, the Division was responsible for 508 dams. Some of these dams are currently breached and therefore not in operation. The remaining 410 dams are in operation and are classified into three categories according to the consequences of a potential failure. The classifications are:

- 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:

Hazard Class	Number in Category	Frequency	Sites Targeted/Year
High	71	Annually	71
Significant	100	Every 3 years	33
Low	239	Every 6 years	40
Total	410	--	144

The Dam Safety Division inspects all high-hazard dams every year, and inspected 158 dams total in FY 2009. The Division performed a total of 392 inspections of dams and ponds during the FY 2009.

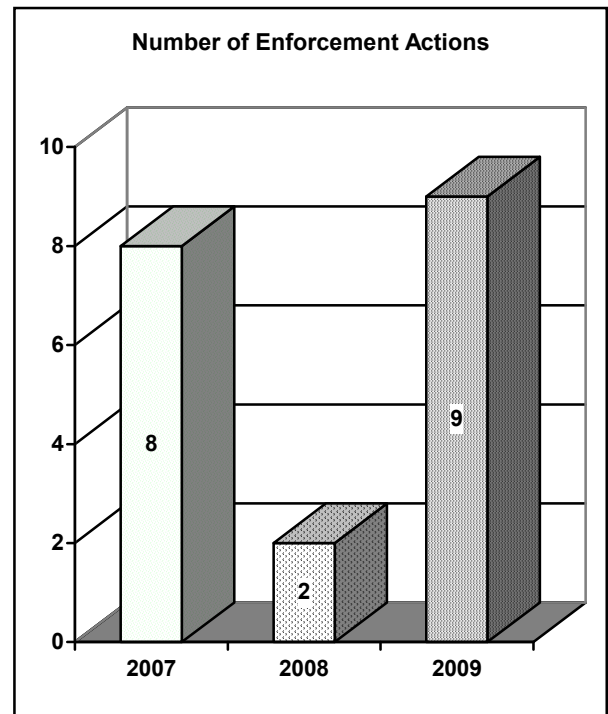
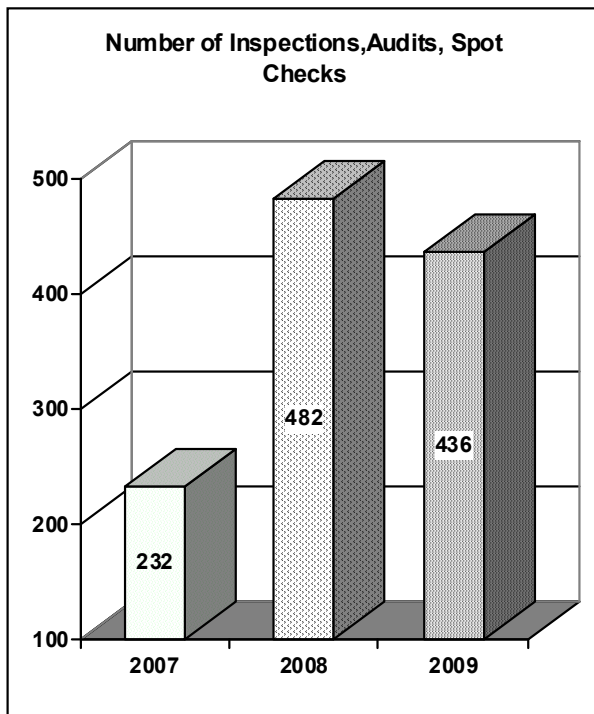
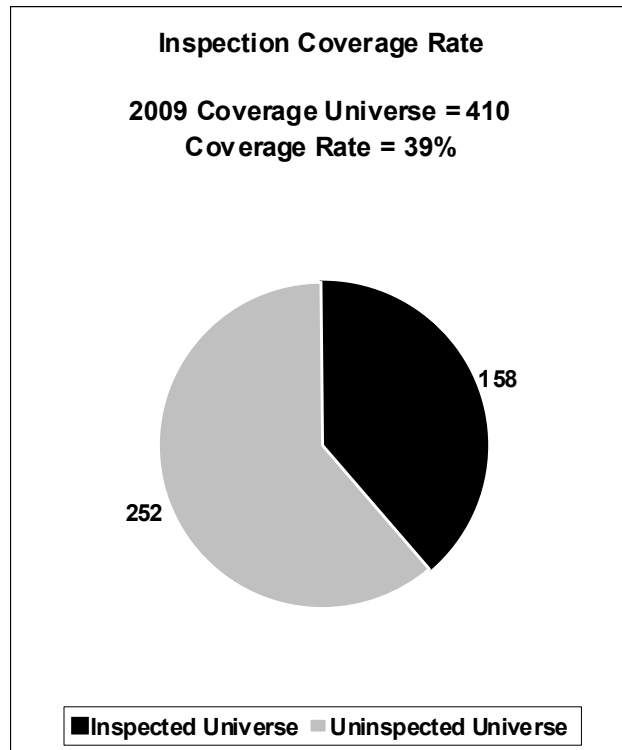
Waterway Construction – Dam Safety

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of permits/licenses issued	27
Number of permits/licenses in effect at fiscal year end	534
OTHER REGULATED SITES/FACILITIES	
Dams in operation	410
INSPECTIONS	
Number of sites inspected (“inspected” defined as at the site)	158*
Number of sites audited but not inspected (places where MDE reviewed submittals but did not go to the site)	44
Number of sites evaluated for compliance (sum of the two measures above, same as #11 on the prior charts)	202*
Number of inspections, spot checks (captures number of compliance activities at sites)	392
Number of audits (captures number of reviews of file/submittals for compliance)	44
Number of inspections, audits, spot checks (sum of the two measures above)	436
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	11
% of inspected sites/facilities with significant violations	3%
Inspection coverage rate (number of sites inspected/coverage universe)**	82%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	0
Number of significant violations based on technical/preventative deficiencies	11
Number of significant violations carried over awaiting disposition from previous fiscal year	24
Total number of significant violations (sum of the three measures above)	35
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	24
Ongoing	10
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	171
	Administrative Civil/Judicial Total
Number of show cause, remedial, corrective actions issued	9 0 9
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
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$0

* An additional 180 sites were inspected that are not dams in operation. These inspected sites include dams under construction and small dams inspected at the request of Soil Conservation Districts.

** 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:

- 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.

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

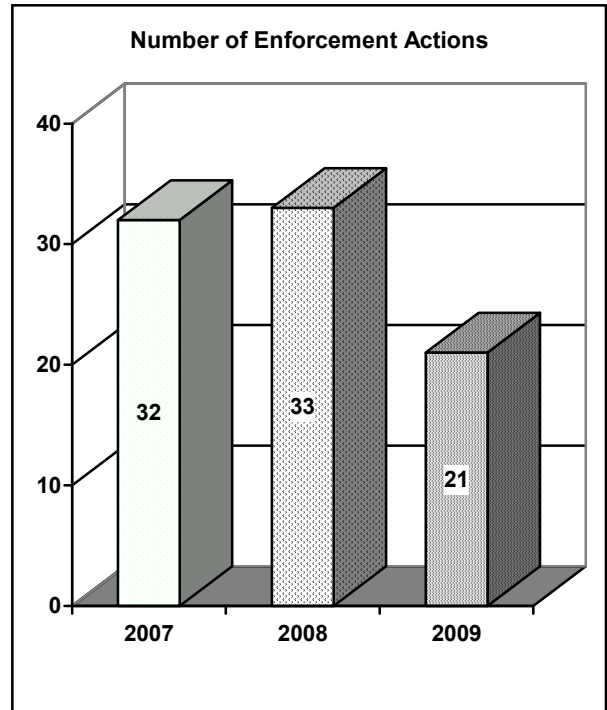
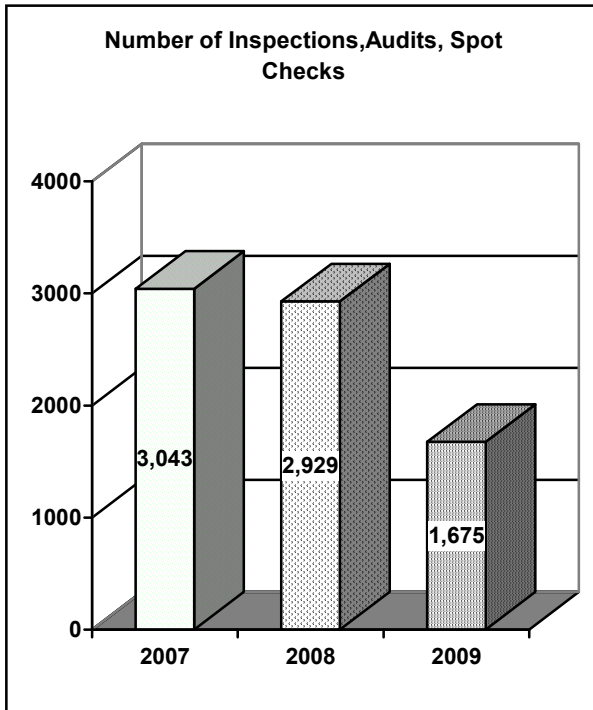
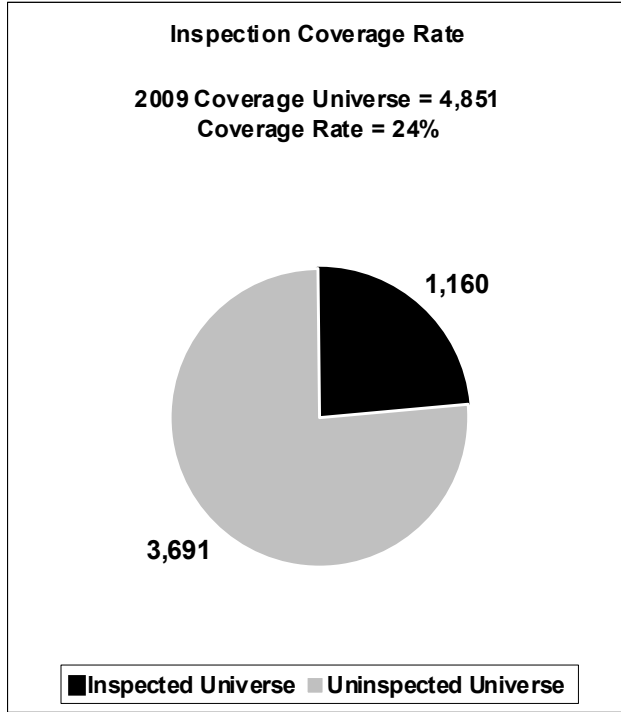
SUCCESSSES/CHALLENGES

Application fees authorized for FY 2009 enabled MDE to hire additional staff to implement the program. The program is implementing a plan to eliminate a major permit backlog by the end of calendar year 2010. Progress with this plan is on track.

Wetlands and Waterways – Non-Tidal and Floodplains

Performance Measure	TOTAL
PERMITTED SITES/FACILITIES	
Number of permits/licenses issued	812
Number of permits/licenses in effect at fiscal year end	4,851
INSPECTIONS	
Number of sites inspected (“inspected” defined as at the site)	1,160
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)	1,160
Number of inspections, spot checks (captures number of compliance activities at sites)	1,675
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)	1,675
COMPLIANCE PROFILE	
Number of inspected sites/facilities with significant violations	46
% of inspected sites/facilities with significant violations	4%
Inspection coverage rate (number of sites inspected/coverage universe)	24%
SIGNIFICANT VIOLATIONS	
Number of significant violations involving environmental or health impact	46
Number of significant violations based on technical/preventative deficiencies	0
Number of significant violations carried over awaiting disposition from previous fiscal year	20
Total number of significant violations (sum of the three measures above)	66
DISPOSITION OF SIGNIFICANT VIOLATIONS	
Resolved	17
Ongoing	49
ENFORCEMENT ACTIONS	
Number of compliance assistance rendered	79
	Administrative Civil/Judicial Total
Number of show cause, remedial, corrective actions issued	9 3 12
Number of stop work orders	4 0 4
Number of injunctions obtained	0 0 0
Number of penalty and other enforcement actions	5 0 5
Number of referrals to Attorney General for possible criminal action	0
PENALTIES	
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$6,200

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.

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

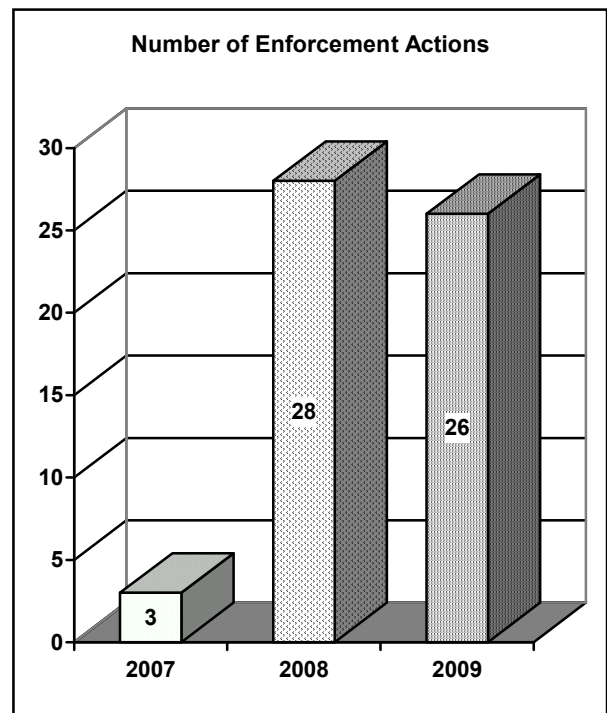
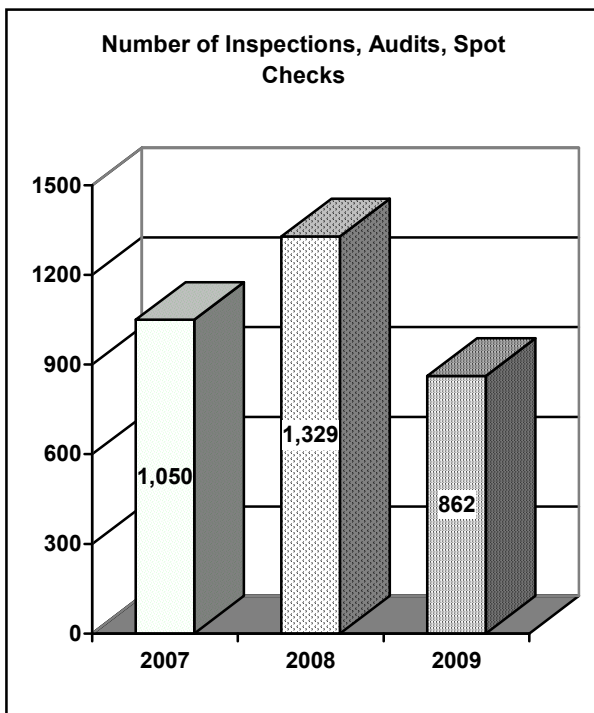
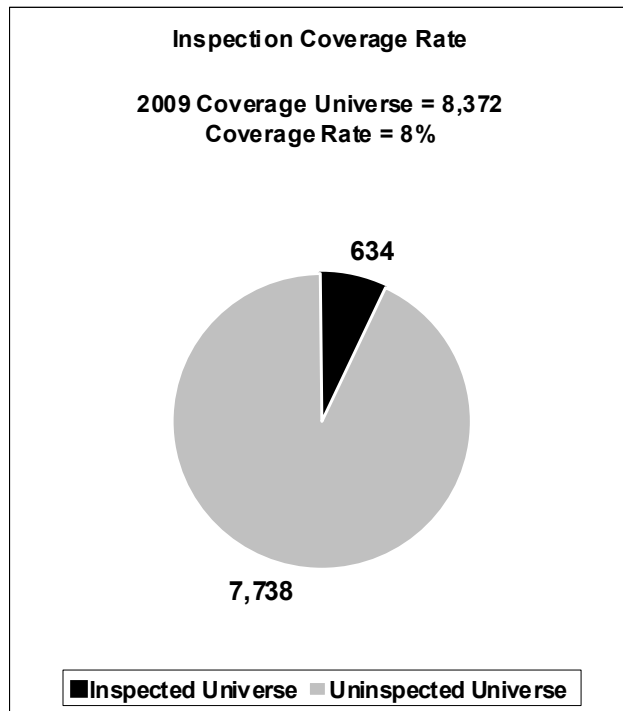
SUCSESSES/CHALLENGES

Application fees authorized for FY 2009 enabled MDE to hire additional staff to implement the program. The program is implementing a plan to eliminate a major permit backlog by the end of calendar year 2010. Progress with this plan is on track.

Wetlands - Tidal

Performance Measure	TOTAL		
PERMITTED SITES/FACILITIES			
Number of permits/licenses issued	1,322		
Number of permits/licenses in effect at fiscal year end	8,372		
INSPECTIONS			
Number of sites inspected ("inspected" defined as at the site)	634		
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)	634		
Number of inspections, spot checks (captures number of compliance activities at sites)	862		
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)	862		
COMPLIANCE PROFILE			
Number of inspected sites/facilities with significant violations	64		
% of inspected sites/facilities with significant violations	10%		
Inspection coverage rate (number of sites inspected/coverage universe)	8%		
SIGNIFICANT VIOLATIONS			
Number of significant violations involving environmental or health impact	63		
Number of significant violations based on technical/preventative deficiencies	1		
Number of significant violations carried over awaiting disposition from previous fiscal year	31		
Total number of significant violations (sum of the three measures above)	95		
DISPOSITION OF SIGNIFICANT VIOLATIONS			
Resolved	23		
Ongoing	72		
ENFORCEMENT ACTIONS			
Number of compliance assistance rendered	47		
	Administrative	Civil/Judicial	Total
Number of show cause, remedial, corrective actions issued	9	4	13
Number of stop work orders	3	0	3
Number of injunctions obtained	0	0	0
Number of penalty and other enforcement actions	8	2	10
Number of referrals to Attorney General for possible criminal action	1		
PENALTIES			
Amount of administrative or civil penalties obtained (\$ collected in FY)	\$41,794		

Wetlands – Tidal



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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 crime in Maryland. During FY 2009, the ECU opened fifty-one full criminal investigations and looked into an additional fifty cases where full investigations were not initiated. ECU filed charges in twenty of the investigations opened. Of the fifty-one investigations, thirty-one were the result of referrals from MDE administrators. Twelve prosecutions were completed during the fiscal year, resulting in jail terms totaling 14 years, probation terms totaling 18.5 years and imposed fines totaling \$127,832.50, in addition to community work service and other penalties. Additionally, there were fifty calls or requests for Investigation that were handled without opening a full criminal investigation; this can occur when there is insufficient information available at the time for the unit to justify opening a full investigation.

Environmental Crimes Unit

PURPOSE

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, the investigative skills and law enforcement authority of the Maryland State 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. Often criminal investigations and prosecutions are pursued after repeated unsuccessful civil actions have been attempted. Criminal investigations and prosecutions are also pursued when the offenses are particularly significant or involve immediate danger to the environment. Criminal enforcement is used where 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 an extensively decreased staff that numbered only five at the end of the fiscal year, which included two investigators and three prosecutors, all of whom are directly involved in the criminal investigation and enforcement work of the unit. The decreased staffing, most notably in the number of investigators assigned to the unit, hampers the ability of ECU to function

properly. Additionally, outside police agencies which have historically had officers assigned to this division have either markedly decreased their numbers, or have taken all officers out of the unit completely. It is only through complete and full investigation that criminal cases can be properly assessed and charges filed. The minimal investigative resources currently available to ECU translates directly to fewer viable cases investigated and charged.

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. 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 a case-by-case basis.

PROCESS

ECU typically 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 assess the potential case. Complaints with the potential for prosecution are then assigned to ECU investigators to conduct 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.

SUCCESSSES/CHALLENGES

In FY 2009, ECU successfully assisted MDE in furthering its compliance and enforcement goals by conducting 51 full criminal investigations and filing charges in 20 of those investigations. Of the 51 investigations, 31 were the result of referrals from MDE administrations. Twelve prosecutions were completed during the fiscal year, resulting in jail terms totaling 14 years, probation terms totaling 18.5 years and imposed fines totaling \$127,832.50, in addition to community work service and other penalties.

A continuing challenge is to restore investigative resources at least to levels experienced in the 1990's. Sworn law enforcement personnel with statewide authority assigned to this Unit have been reduced by 80% over the past ten years (FY 1999 - FY 2009). In FY 2009, MSP remained limited to a single trooper assigned in part to the Unit, down from the initial five troopers assigned. Baltimore City Police have removed the one officer position previously assigned to the Unit.

There is a desire for the Unit to be able to be more proactive in the pursuit of industries and businesses, as well as individuals, who are often found repeating the same dangerous environmental crimes. In order to be able to be effective in this effort, and to bring sufficient results, it will be necessary to be fully staffed with both attorneys and investigators. The cases can be complex and involved, especially in a proactive form, and without the proper staffing, results will be limited. The Unit continues to lack in staffing for both attorneys and investigators to achieve its' goals.

CHART 1 shows the number of investigations conducted by ECU during FY 2009 and the source of the complaints leading to the investigations.

FY '09 – INVESTIGATIONS OPENED		
SOURCE OF COMPLAINTS		INVESTIGATIONS OPENED
M D E	ARMA	2
	WAS	3
	WMA	20
	ERD	6
MDE TOTAL		31
OTHER SOURCES		20
TOTAL		51

CHART 2 shows the number of cases prosecuted by ECU during FY 2009. The chart distinguishes between the number of cases where prosecution was initiated during FY 2009 and the number of cases concluded during FY 2009. 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 '09 – PROSECUTIONS			
SOURCE OF COMPLAINTS		NO. OF CASES FILED	NO. OF CASES CONCLUDED
M D E	ARMA	0	0
	WAS	1	1
	WMA	6	4
	ERD	1	0
	OS	0	0
MDE TOTAL		8	5
OTHER SOURCES		12	7
TOTAL		20	12

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 '09 – YEARLY TOTALS	EN	EN	EN	EN	NR	CL	CL	CL	TOTAL
	Title 2	Title 5	Title 7	Title 9	Title 4	Title 8	Title 9	Title 10	
	Subtitle 6	Subtitle 9	Subtitle 3	Subtitle 3	Subtitle 10	Subtitle 6	Subtitle 1	Subtitle 1	
Number of Convictions Obtained	1	1	1	10	1	8	2	1	25
Imprisonment Time Ordered (Years)	0	1	1	8	0	5	0	0	15
Imprisonment Time To Be Served	0	1yr	30 days	3 months	0	4 months	4 months	0	2 years
Probation Ordered (Years)	1.5	0	3	5	0	4	4	0	17.5
Community Service Ordered (Hours)	16	0	0	0	0	100	50	0	166
Criminal Fines, Restitution & Costs Imposed	1,032.50	0	20,000	71,000	0	2,650	3,150	30,000	127,832.50
Criminal Fines, Restitution & Costs To Be Paid	1,032.50	0	7,500	58,500	0	2,650	3,150	0	72,832.50

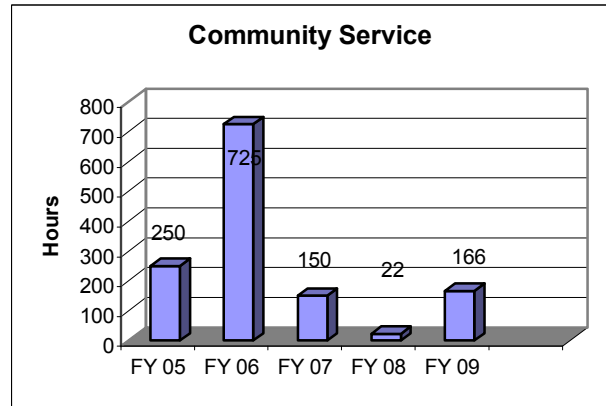
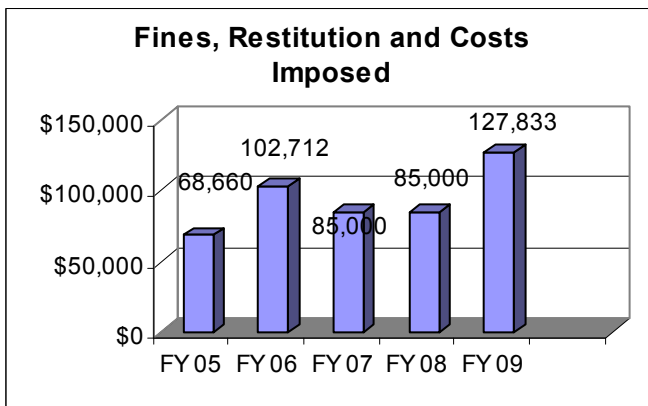
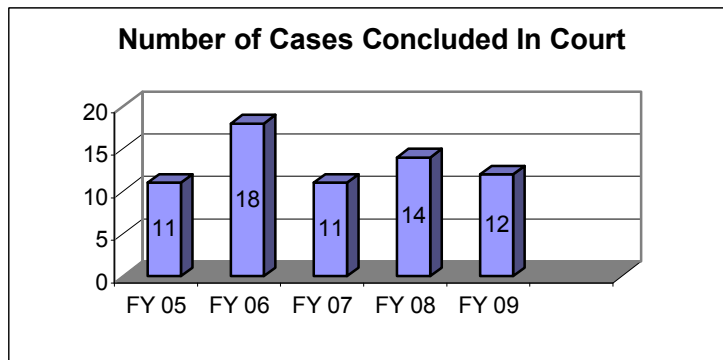
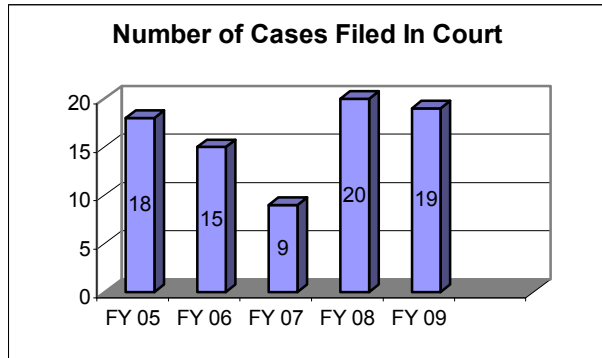
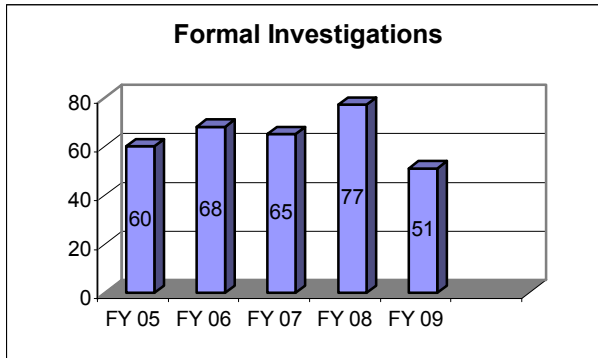
Environmental Article (EN)
 Title 2 – Ambient Air Quality Control
 Title 5 – Water Resources
 Title 7 – Hazardous Materials & Hazardous Substances
 Title 9 – Water, Ice, and Sanitary Facilities

Natural Resources (NR)
 Title 4 – Fish and Fisheries

Criminal Law Article (CL)
 Title 8 – Fraud and Related Crimes
 Title 9 – Crimes against Public Administration
 Title 10 – Crimes against Public Health

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

Environmental Crimes Unit



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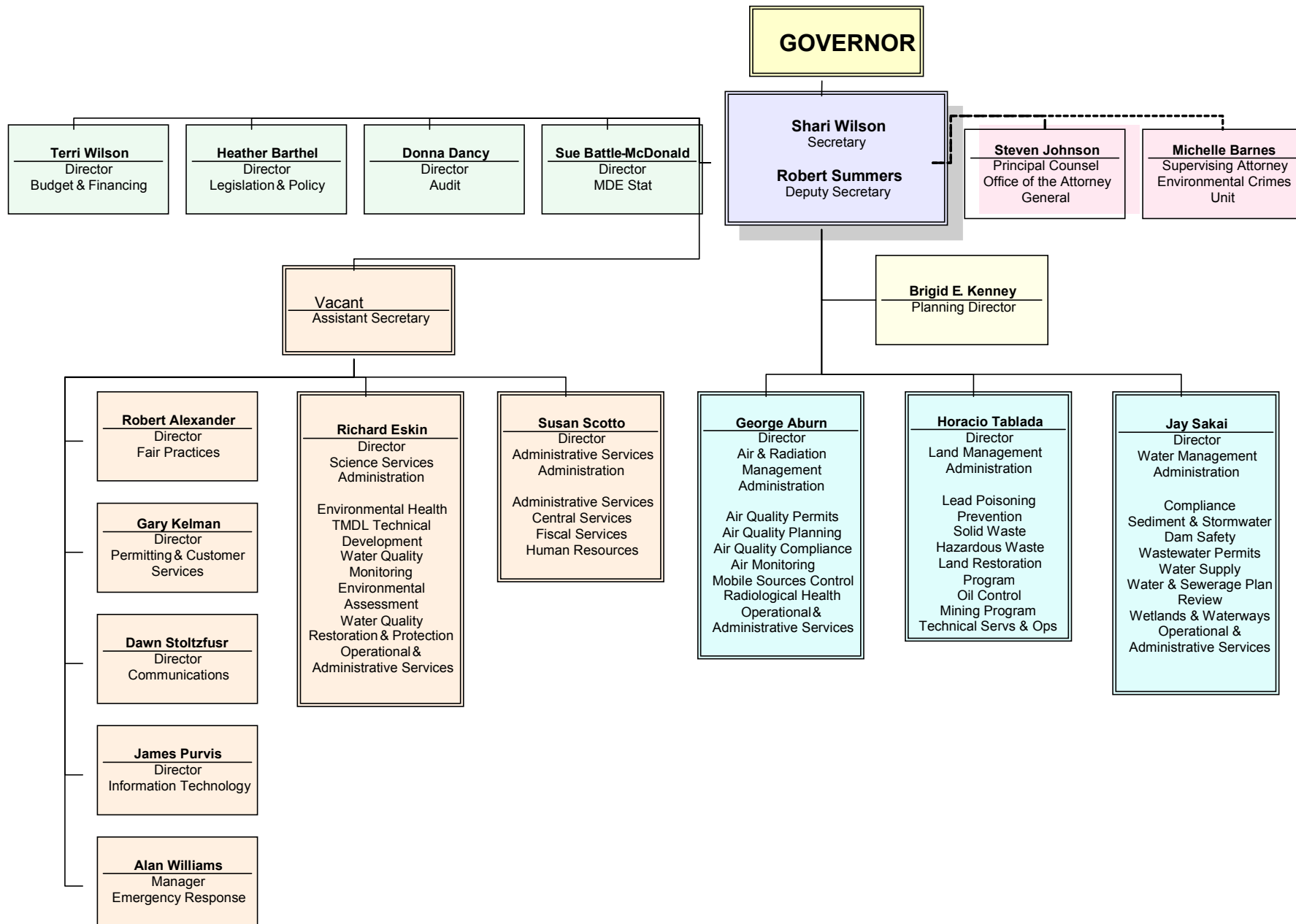
SECTION THREE - APPENDICES

APPENDIX I

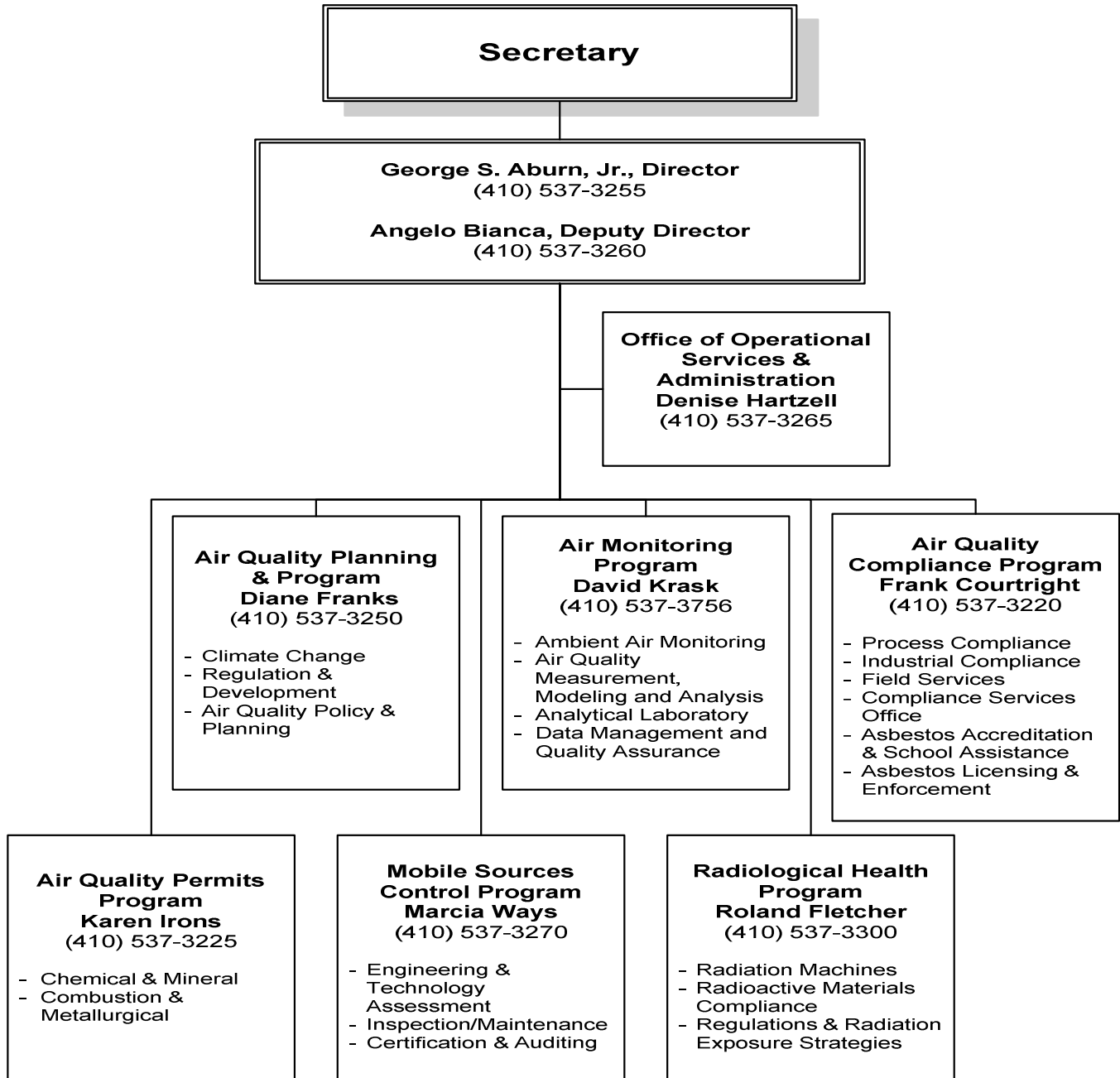
MDE ORGANIZATION

2009 ANNUAL ENFORCEMENT AND COMPLIANCE REPORT WORK GROUP

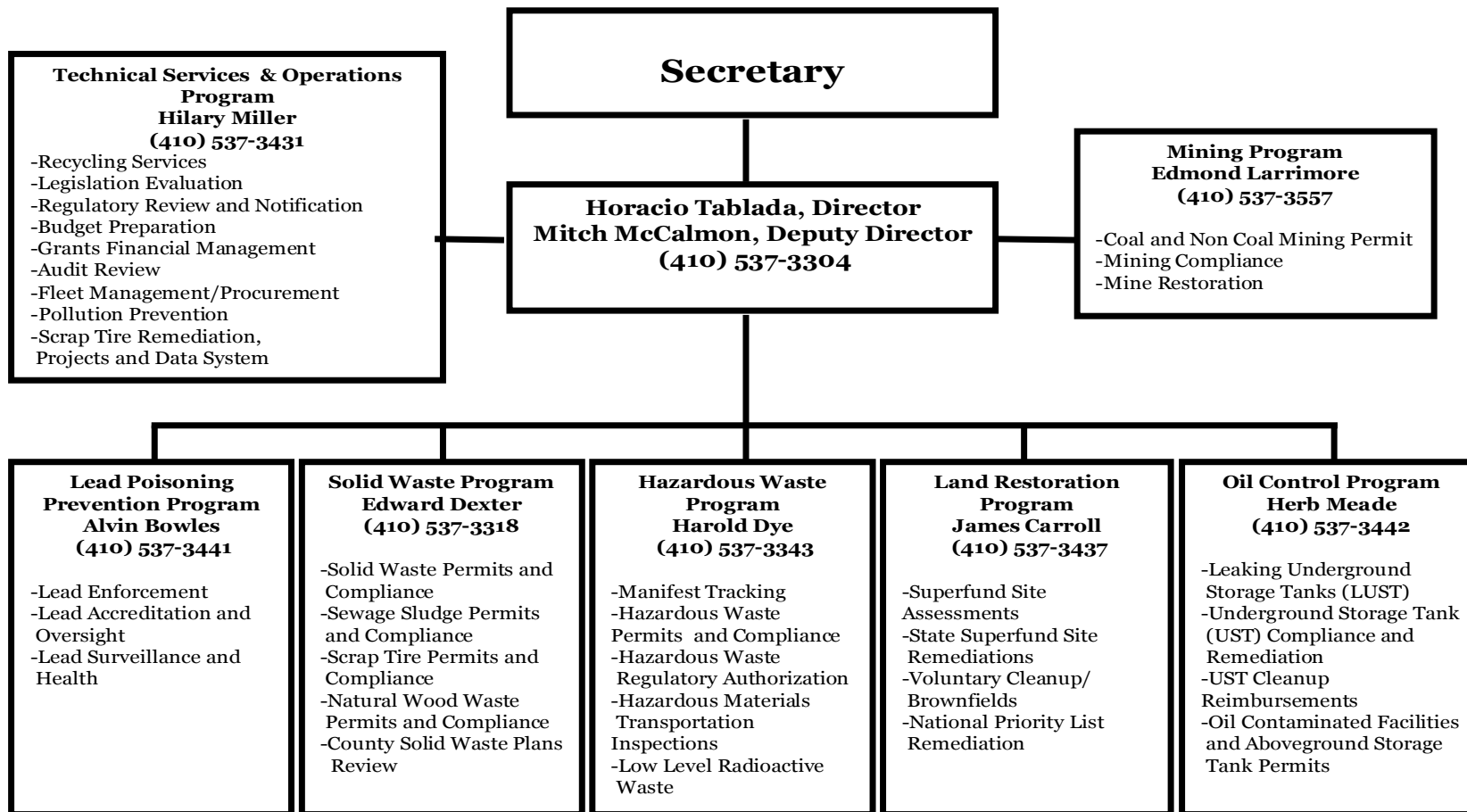
Lorraine Anderson, Air and Radiation Management Admin (Asbestos)
Tom Boone, Water Management Administration
Jack Bowen, Water Management Administration
Frank Courtright, Air and Radiation Management Administration
Laramie Daniel, Air and Radiation Management Administration
Edward Dexter, Waste Management Administration (Solid Waste)
Andrew Gosden, Deputy Director, Permitting and Customer Services
Rick Johnson, Waste Management Administration (Hazardous Waste)
Gary Kelman, Director, Permitting and Customer Services
Mike Kurman, Air and Radiation Management Admin (Radiation)
Ray Manley, Air and Radiation Management Administration (Radiation)
Herb Meade, Waste Management Administration (Oil Control)
Hilary Miller, Waste Management Administration
Nancy Reilman, Water Management Administration (Water Supply)
Jesse Salter, Water Management Administration



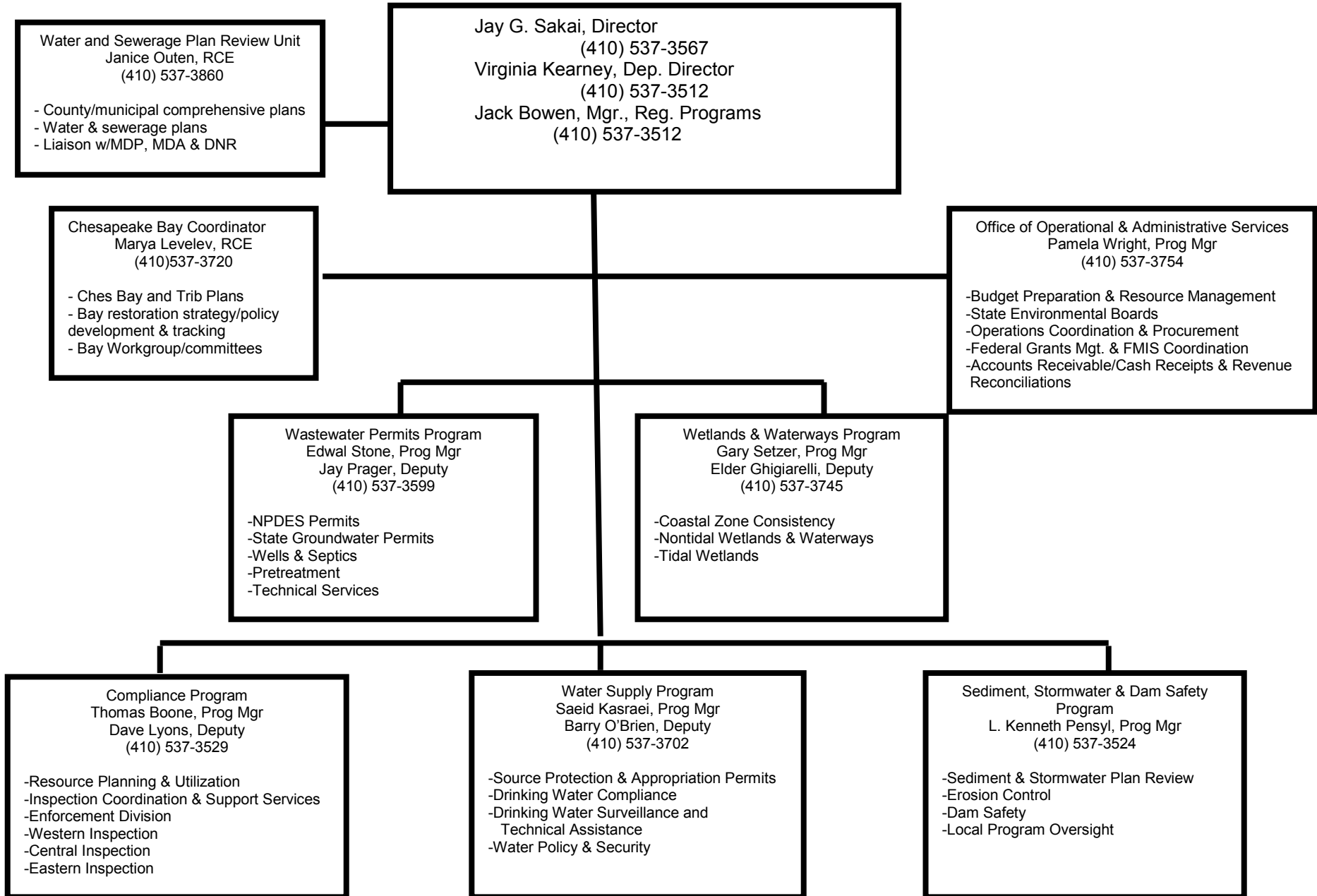
AIR AND RADIATION MANAGEMENT ADMINISTRATION



WASTE MANAGEMENT ADMINISTRATION



WATER MANAGEMENT ADMINISTRATION



PROGRAMS INCLUDED IN ANNUAL ENFORCEMENT AND COMPLIANCE REPORT

- Ambient Air Quality Control
 - High-Impact Facilities
 - Low-Impact Facilities
- Air Quality Complaints
- Asbestos
- Radiological Health Program
 - Radiation Machines Program
 - Radioactive Materials Licensing and Compliance
- Environmental Restoration and Redevelopment
- Hazardous Waste
- Lead Poisoning Prevention
- Oil Aboveground Facilities
- Oil Pollution Remediation Activities
- Oil Underground Storage Tank Systems
- Refuse Disposal
- Scrap Tires
- Sewage Sludge Utilization
- Natural Wood Waste Recycling
- Discharges – Groundwater (Municipal and Industrial)
- Discharges – Surface Water (Municipal and Industrial) State and NPDES Permits
- Discharges – Pretreatment (Industrial)
- Stormwater Management and Erosion and Sediment Control for Construction Activity
- Mining – Coal
- Mining – Non-Coal
- Oil and Gas Exploration and Production
- Water Supply Program – Community and Non-transient Non-community Water Systems
- Water Supply Program – Transient Non-community Water Systems
- Water Supply Program – Laboratory Certification
- Water Supply Program – Water Appropriation and Use
- Water Supply and Sewerage Construction
- Waterway Construction – Dam Safety
- Wetlands and Waterways – Non-tidal and Floodplain
- Wetlands – Tidal
- Environmental Crimes Unit

APPENDIX II LAWS AND POLICIES

§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.

Bills Passed During 2009 Legislative Session Affecting Enforcement and Penalties

HB0119 – Children's Products Containing Lead - Modifications

This emergency bill alters the definition of a child, for purposes of regulating lead-containing children's products, to include individuals younger than age 13. The bill also incorporates the federal Consumer Product Safety Act of 2008 into the State's framework for the regulation of children's products containing lead

HB0259 – Environmental Health Monitoring and Testing - Reimbursement of Costs

Requires a person responsible for certain violations of the hazardous substances and hazardous materials laws of Title 7, Subtitle 2 of the Environment Article and the water pollution control and abatement laws in Title 4, Subtitle 4 to reimburse a county for costs incurred in conducting environmental health monitoring or testing. Also requires a person responsible for a violation of the water pollution discharge prohibition and permitting requirements of Title 9 to reimburse MDE or a county for environmental health monitoring or testing costs. If MDE is seeking reimbursement and receives a request to combine a county's reimbursement claim, MDE must also seek to recover reimbursable costs on behalf of the county. Reimbursement to a county is not allowed if the environmental health monitoring or testing by the county is duplicative of activities conducted by the State, or if the activities are not reasonably necessary to protect human health or the environment. In addition, reimbursement may not be required if MDE has entered into a consent order with the responsible person. MDE may adopt regulations to carry out this act.

HB0312/SB0271 – Aquaculture - Shellfish - Leasing

This bill makes several changes to the State's shellfish leasing program. In general, it amends and repeals provisions of the submerged land lease program; establishes Aquaculture Enterprise Zones; authorizes shellfish aquaculture, submerged land, and demonstration leasing programs in specified waters; requires the DNR and MDE to adopt regulations; expresses intent that the State become a leading producer of aquaculture-grown shellfish for commercial purposes; and makes provisions severable. The bill requires DNR to create Aquaculture Enterprise Zones (AEZs) in the Chesapeake Bay by regulation. DNR is required to consult with MDE and the Wetlands Administrator of the BPW on the establishment of AEZs. The bill exempts aquaculture activities in AEZs from MDE wetlands licenses. DNR is authorized to issue aquaculture leases only in AEZs. DNR is also authorized to issue submerged land leases in the Atlantic Coastal Bays and in non-AEZ areas of the Chesapeake Bay.

These leases are subject to water quality requirements approved by MDE. Aquaculture and submerged land leases are limited to a term of 20 years, for any size area as long as it is actively used and at an annual rental rate and with an aquaculture development surcharge. For specified leases including the water column, individuals must submit a tidal wetland license application and fee to MDE. Also, MDE is authorized to prohibit shellfish catching, planting, and harvesting in the shellfish public fishery area, AEZs,

specified Atlantic Coastal Bays, and in aquaculture, submerged land, and demonstration lease areas. All leaseholders must comply with regulations adopted by the DHMH and MDE in accordance with the National Shellfish Sanitation Program. DNR, in consultation with MDE and BPW, is required to adopt regulations implementing the bill and establishing an initial AEZ by October 1, 2009. MDE, in consultation with BPW, is required to adopt regulations streamlining the processing of water column leases by October 1, 2009.

HB0315/SB0278 – Greenhouse Gas Emissions Reduction Act of 2009

This bill requires the State to develop plans, adopt regulations, and implement programs to reduce greenhouse gas emissions 25% from 2006 levels by 2020. MDE is required to implement various measures designed to ensure that the GHG reductions produce economic benefits for the State and do not adversely affect specified communities or economic interests. MDE must publish a GHG emissions inventory for the year 2006, a “business as usual” projection of GHG emissions for the year 2020, and a triennial inventory update beginning in 2011. MDE must submit its proposed GHG reduction plan to the Governor and the General Assembly by December 31, 2011. The proposed plan is to be publically available and MDE must convene public workshops to provide interested parties with an opportunity to comment on the proposed plan. After consultation with appropriate State and local agencies, MDE has to adopt the final reduction plan by December 31, 2012. This final plan must include adopted regulations that implement all of the plan’s measures and a timeline for seeking additional legislative authority.

The final GHG reduction plan may not require emissions reductions for the State’s manufacturing sector or otherwise impose additional costs to the sector that are not already required under current law or associated with RGGI. The bill also requires an academic study of the economic impact of the GHG emissions reductions on the manufacturing sector, with oversight provided by a newly created task force, which is to be submitted to the Governor and General Assembly by Oct 1, 2015. Also, by October 1, 2015, MDE is required to submit a progress report to the Governor and the General Assembly. This report is subject to a public hearing and comments and must summarize the progress made toward the 2020 reduction goal. The goal to reduce GHG emissions 25% below 2006 levels by 2020 terminates on December 31, 2016. On October 1, 2020, and every five years thereafter, MDE must continue to report on the progress toward reaching the 2020 reduction goal and further reductions needed by 2050 to avoid dangerous changes to the climate.

HB0420 – Environment - Limitation of Actions - Political Subdivisions

This bill extends the three-year Statute of Limitations in place for MDE on civil suits for violations under the Environment Article to local governments. Thus, a local government must institute an action for which it has authority under the Environment Article within three years from the date that it knew or should have known of the violation. This bill applies prospectively only.

HB1105 – Private Wastewater Treatment Act of 2009

This bill prohibits the installation of an individual sewerage system for residential use unless an existing on-site sewage disposal system fails and cannot be repaired or replaced by any means and the installation is approved by MDE. An “individual sewerage system” is defined as a privately owned system of sewers, piping, and treatment tanks, or other facilities, that serves only a single lot for the disposal of sewage and discharges to

the surface waters of the State. This prohibition needs to be incorporated into MDE's permitting process.

HB1263 – Mercury Switch Removal from Vehicles

This bill requires vehicle manufacturers that sold motor vehicles in the State containing mercury switches to, individually or as a group, develop a “mercury minimization plan.” By September 30, 2009, the plan must be submitted to MDE for review and approval. The bill establishes requirements for the plan and provisions regarding plan approval and implementation. The bill terminates December 31, 2017. A vehicle manufacturer that already meets or exceeds the requirements of the bill may propose the use of its existing processes and procedures in its mercury minimization plan. A vehicle manufacturer must pay for the costs associated with the removal, collection, and recovery of mercury switches and must establish a method to ensure the prompt payment to a vehicle recycler, a scrap processing facility, and MDE. Costs paid by a manufacturer must include the following: a minimum of \$4 for each mercury light switch or light switch assembly and \$6 for each antilock braking system switch assembly removed by a vehicle recycler or scrap processing facility, as partial compensation for the labor and other costs incurred; and \$1 for each mercury switch or mercury switch assembly removed by a vehicle recycler or scrap processing facility, as partial compensation for MDE for costs incurred in administering and enforcing the bill (paid into the State Recycling Trust Fund). MDE is authorized to adopt regulations regarding plan development and approval. Beginning December 1, 2009, unless a mercury switch or assembly is inaccessible due to damage, a vehicle recycler must remove all mercury switches or assemblies identified in the plan from an end-of-life vehicle within 180 days after receipt of the vehicle and before delivery to a scrap processing facility. In addition, by December 31, 2010, a vehicle recycler must remove all mercury switches and assemblies identified in the plan from vehicles in its inventory as of September 30, 2009. The “capture rate” goal must be at least 90% for mercury switch or assembly removal in 2010. A scrap processing facility may agree to accept an end-of-life vehicle that contains mercury switches under specified conditions. Such a facility must be responsible for removing the mercury switches or assemblies before the end-of-life vehicle is intentionally flattened, crushed, baled, or shredded. On removal, mercury switches and assemblies must be collected, stored, transported, recycled, and otherwise handled as required by the approved plan and in accordance with specified provisions and regulations. The bill establishes electronic recordkeeping requirements for vehicle recyclers and scrap processing facilities that remove mercury switches or assemblies. The bill establishes annual reporting requirements for vehicle manufacturers regarding plan implementation, and for MDE regarding various statistics and recommendations to improve the capture rate of mercury switches. MDE may discontinue that reporting requirement if it determines that mercury switches in end-of-life vehicles will no longer pose a significant threat to the environment or to public health by the end of 2020. Any time after December 1, 2011, if MDE determines that an insufficient number of switches have been recycled, MDE may propose a new strategy to increase the capture of mercury switches, including additional new funding sources.

MDE may adopt regulations regarding plan implementation. If a person violates any provision or regulation adopted in accordance with the bill's provisions relating to plan implementation, he or she is guilty of a misdemeanor, liable for a civil penalty, and may be subject to an administrative fine of: up to \$1,000 for a first offense, \$2,500 for a second offense, and \$5,000 for a third or subsequent offense. If MDE opts to assess an

administrative penalty, the bill establishes the factors that must be considered in determining the level of the fine. Each day a violation continues is a separate offense. All fines and penalties are paid into the State Recycling Trust Fund.

HB1305 – Environment - Coal Combustion Byproducts - Department Regulations - Transport and Beneficial Use

This bill requires MDE to submit regulations regarding fugitive air emissions from the transportation of CCBs and the permissible beneficial uses of CCBs to the AELR Committee by December 31, 2009.

HB1556 – Environment - Coal Combustion Byproducts - Fees

This bill establishes a Coal Combustion By-Products Management Fund and requires MDE to establish, by regulation, and collect a fee on each ton of CCBs generated. MDE is required to establish a fee necessary to operate a regulatory program for the control of CCBs. The fees must be deposited into the fund established by the bill. MDE must use the fund solely to administer and implement programs to control the disposal, use, beneficial use, recycling, processing, handling, storage, transport, or management of CCBs. If the fee revenues exceed the costs necessary to implement the CCB regulatory program in a given year, MDE must reduce the fees in the following fiscal year. Beginning November 1, 2010, and annually thereafter, MDE must report to the General Assembly on the status, revenues, and expenditures of the fund; the efficiency of the regulatory program; compliance rates; and the necessity to reduce the fees if revenues are exceeding expenditures.

HB1569/SB1065 – Standing - Miscellaneous Environmental Protection Proceedings and Judicial Review

This bill repeals specified provisions relating to contested case hearings and establishes new provisions regarding judicial review of certain permit determinations by MDE with respect to the issuance, denial, renewal, or revision of specified permits and by the BPW with respect to a license to dredge or fill on State wetlands. The bill prohibits contested case hearings with respect to MDE's issuance, denial, renewal, or revision of the following permits: (1) ambient air quality control; (2) landfills/incinerators; (3) discharge pollutants; (4) sewage sludge; (5) controlled hazardous substance facilities; (6) hazardous materials facilities; (7) low-level nuclear waste facilities; (8) water appropriation and use; (9) nontidal wetlands; (10) gas and oil drilling; (11) surface mining; and (12) private wetlands. The bill also applies to decisions by BPW to issue or deny a license to dredge or fill on State wetlands.

Instead, a person or an association may request judicial review of these decisions if he/she meets the requirements for standing under federal law and is the applicant or participated in an applicable public participation process through the submission of written or oral comments. The bill specifies that the judicial review is limited to an administrative record and objections raised during the public comment period, with limited exceptions. If the case involves objections raised outside of the public comment period that are permissible under the limited exceptions, the court is required to remand the matter to MDE for consideration of those objections. The bill specifies what materials constitute an administrative record for purposes of judicial review. MDE and BPW must grant a one-time 60-day extension of the public comment period upon request. The bill contains uncodified language requiring a court to examine the following factors when considering a motion for a stay in an action brought for judicial review under the bill: (1) the likelihood

that the plaintiff will succeed on the merits; (2) whether greater injury would be done to the defendant by the court's granting of the stay than would result from the court's refusal; (3) whether the plaintiff will suffer irreparable injury unless its stay is granted; and (4) the public interest in granting the stay.

For a proceeding involving a variance for a development activity in the Chesapeake and Atlantic Coastal Bays Critical Area buffer, a person who meets federal standing requirements may participate as a party in a local administrative proceeding involving the variance. A person who meets this requirement may also (1) participate as a party in an administrative proceeding at a board of appeals even if the person was not a party to the original administrative proceeding; and (2) petition for judicial review and participate as a party even if the person was not a party to the action which is the subject of the petition. These provisions only apply to a variance application filed with a local Critical Area program on or after the bill's January 1, 2010 effective date. Severability: The bill also contains uncodified language specifying that its provisions are severable, and should one of the provisions be held invalid, the others still apply.

SB0408 – Environment - Water Pollution Control - Penalties

This bill increases from \$1,000 to \$5,000 the maximum penalty for a violation of any of the water pollution laws in Title 9 of the Environment Article. The \$50,000 total cap is not changed.

SB0554 – Chesapeake Bay Nitrogen Reduction Act of 2009

This bill prohibits a person from newly installing or replacing an on-site sewage disposal septic system on property in the Chesapeake and Atlantic Coastal Bays Critical Area unless it utilizes the best available nitrogen removal technology (BAT). MDE is required to assist homeowners in upgrading to a septic system and a system that utilizes BAT with money authorized for this purpose within the BRF, if sufficient funds are available. A person who violates the prohibition in the bill is subject to existing enforcement, but only a total maximum fine of up to \$8,000. In addition, the bill creates a subtraction modification against the personal income tax for the cost of upgrading a septic system, less any BRF assistance provided. The subtraction modification applies to all tax years beginning after December 31, 2009. MDE delegates permitting of on-site sewage disposal systems to local governments, typically health departments.

Under the bill's requirements, some local authorities in jurisdictions within the Critical Area may be required to change their current inspection, monitoring, and other permitting related practices – potentially increasing overall workload. MDE, in conjunction with local health departments, is responsible for fully enforcing the bill's requirements, including seeking injunctive orders if necessary.

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.

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
Kend P. Philbrick
Secretary, Maryland Department of
the Environment

May 15, 2006
Date

APPENDIX III SEP DETAILS IN FY 2009

A Supplementary 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 Waste Management Administration made use of SEPs during FY 2009 totaling \$304,100. The administrations issued 15 SEPs during FY 2009. Details about each administration's SEPs are on the following pages.

Administration	Number of SEPs		Total Value of SEPs	
	2008	2009	2008	2009
Air and Radiation Management Administration	2	0	\$205,000	\$0
Waste Management Administration	26	15	\$472,419	\$304,100
Water Management Administration	0	0	\$0	\$0
TOTALS	28	15	\$677,419	\$304,100

Air and Radiation Management Administration SEPs, FY 2009

Total SEPs: 0
Total Cost: \$0

ARMA did not authorize any SEPs in FY 2009.

Waste Management Administration SEPs, FY 2009

Total SEPs: 15

Total Cost: \$304,100

The all of the Waste Management Administration SEPs in FY 2009 were for lead enforcement cases. Most of these required property owners to replace all windows in rental units containing lead based paint. A few concerning newer properties built after 1949 required other types of lead risk reduction work. The following table lists the individual SEPs:

Program	Case #	Property Owner	Units	SEP Value
Lead Poisoning Prevention	10910	Maryland Phi House Corp., Inc.	1	\$ 4,000.00
Lead Poisoning Prevention	10151	Horace Waybright	6	\$ 24,000.00
Lead Posioning Prevention	11811	Kalgon Properties, LLC	2	\$ 8,000.00
Lead Posioning Prevention	11611	Burdol Limited Partnership	53	\$132,500.00
Lead Posioning Prevention	11737	Donald McArthur	11	\$ 44,000.00
Lead Posioning Prevention	11928	Sandrath Karasinski	2	\$ 8,000.00
Lead Poisoning Prevention	11694	Wilfredo Figueroa	2	\$ 8,000.00
Lead Posioning Prevention	11853	Allen Schaeffer	3	\$ 12,000.00
Lead Posioning Prevention	11386	William Smith	1	\$ 4,000.00
Lead Posioning Prevention	11840	Michael Rogers (etal)	3	\$ 12,000.00
Lead Posioning Prevention	12136	Steven Curtis	1	\$ 4,000.00
Lead Posioning Prevention	11565	Eric Hummel	1	\$ 600.00
Lead Posioning Prevention	11635	Jeffery Vogel	5	\$ 3,000.00
Lead Posioning Prevention	12391	Lily Tedia	8	\$ 32,000.00
Lead Posioning Prevention	12131	Damian Odoh	2	\$ 8,000.00
			101	\$304,100.00

Water Management Administration SEPs, FY 2009

Total SEPs: 0
Total Cost: \$0

WMA did not authorize any SEPs in FY 2009.

APPENDIX IV LISTS

**Maryland Department of the
State Master List
July 2009**

County **ALLEGANY**

Site Name: CABIN RUN LF (MD-003)
Address: CABIN RUN RD
FROSTBURG, MD 21532
Aliases: NONE
Status: NFRAP

Site Name: CELANESE FIBERS CO - AMCELLE PLANT (MD-031)
Address: US RT 220 S
CUMBERLAND, MD 21502
Aliases: NONE
Status: NFRAP

Site Name: CUMBERLAND GAS LIGHT CO (MD-195)
Address: N MECHANIC ST
CUMBERLAND, MD 21502
Aliases: NONE
Status: NFRAP

Site Name: FROSTBURG GAS LIGHT CO (MD-197)
Address: W SIDE OF GRANT ST
FROSTBURG, MD 21532
Aliases: NONE
Status: NFRAP

Site Name: HOFFMAN LF (MD-004)
Address: FROSTBURG IND PARK RT 36
FROSTBURG, MD 21532
Aliases: NONE
Status: NFRAP

Site Name: KELLY SPRINGFIELD TIRE CO (MD-410)
Address: 800 KELLY RD
CUMBERLAND, MD 21502
Aliases: NONE
Status: NFRAP

Site Name: KOPPERS CO INC - OLDTOWN (MD-042)
Address: RUBY RD
OLD TOWN, MD 21555
Aliases: CHARLES O WALTERS
Status: NFRAP

Site Name: LIMESTONE ROAD SITE (MD-084)

Address: LIMESTONE RD OFF RT 51
CUMBERLAND, MD 21502
Aliases: CUMBERLAND CEMENT & SUPPLY, DIGGS SANITATION
Status: NPL

Site Name: OLD CUMBERLAND CITY/COUNTY DUMP (MD-139)
Address: LIMESTONE RD
CUMBERLAND, MD 21502
Aliases: NONE
Status: NFRAP

Site Name: VALE SUMMIT LF (MD-005)
Address: RTS 36 & 38
FROSTBURG, MD 21532
Aliases: NONE
Status: NFRAP

County ***ANNE ARUNDEL***

Site Name: ALCO-GRAVURE INC (MD-353)
Address: 701 BALTIMORE ANNAPOLIS BLVD
GLEN BURNIE, MD 21061
Aliases: NONE
Status: NFRAP

Site Name: B & O RAILROAD LF (MD-362)
Address: KEMBO RD
BALTIMORE, MD 21226
Aliases: NONE
Status: UI

Site Name: BROWNING FERRIS IND - SOLLEY RD LF (MD-006)
Address: 7890 SOLLEY RD
GLEN BURNIE, MD 21061
Aliases: SAN DISP INC, SOLLEY RD LF
Status: NFRAP

Site Name: COX CREEK REFINING (MD-456)
Address: 1000 KEMBO RD
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: DAVID TAYLOR/ANNAPOLIS - LAUNCH (MD-203)
Address: BAY HEAD RD
ANNAPOLIS, MD 21401
Aliases: NONE
Status: UI

Site Name: DRUMCO DRUM DUMP (MD-408)
Address: ASPEN ST OFF PENNINGTON AVE

Aliases: BALTIMORE, MD 21225
Status: NONE
 NFRAP

Site Name: FORT SMALLWOOD - CONTROL (MD-208)
Address: OLD NIKE MISSILE SITE RD
 PASADENA, MD 21122
Aliases: NONE
Status: NFRAP

Site Name: FORT SMALLWOOD - LAUNCH (MD-207)
Address: 9034 FORT SMALLWOOD RD
 PASADENA, MD 21122
Aliases: ANNAPOLIS - NIKE
Status: NFRAP

Site Name: GENERAL SERVICE ADMIN - CURTIS BAY DEPOT (MD-336)
Address: 710 ORDNANCE RD
 BALTIMORE, MD 21226
Aliases: NONE
Status: UI

Site Name: GREEN VALLEY RD SITE (MD-178)
Address: GREEN VALLEY RD
 ARNOLD, MD 21012
Aliases: NONE
Status: NFRAP

Site Name: HONEYWELL INC (MD-158)
Address: 401 DEFENSE HWY
 ANNAPOLIS, MD 21401
Aliases: NONE
Status: NFRAP

Site Name: JOY BOEHM LF (MD-030)
Address: 1373 ST STEPHENS CHURCH RD
 CROWNSVILLE, MD 21032
Aliases: BOEHM JOY LF, ST STEPHENS CHURCH RD SITE
Status: NFRAP

Site Name: JOY RECLAMATION CO (MD-073)
Address: 6400 ARUNDEL CORP RD
 GLEN BURNIE, MD 21061
Aliases: ARUNDEL CORP RD SITE, JOY/HAMLEN RECLAMATION
Status: NFRAP

Site Name: NOVA-KOTE INC. (MD-421)
Address: 7615 ENERGY PARKWAY
 BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: US COAST GUARD (MD-406)
Address: HAWKINS POINT RD
BALTIMORE, MD 21226
Aliases: NONE
Status: NPL

Site Name: US NAVAL STATION (MD-334)
Address: ANNAPOLIS NAVAL COMPLEX
ANNAPOLIS, MD 20084
Aliases: US NAVAL COMPLEX ANNAPOLIS
Status: UI

Site Name: USA FORT GEORGE MEADE (MD-067)
Address: FT MEADE
FT MEADE, MD 20755
Aliases: USA 144TH ORDINANCE DETACHMENT, USA LUMBER STORAGE YARD,
USA BLDG T37 SUB STA 3, USA TRAINING AREA T38, USA BUILDING 6527,
CAMP MEADE
Status: NPL

Site Name: USN COMMISSARY STORE PARK LOT AREA SOUTH (MD-059)
Address: KINKAID RD
ANNAPOLIS, MD 21402
Aliases: USN NAVAL STATION LAGOON, USN RADIO TRANSMITTING FACILITY, USN
NAVAL STATION, US NAVAL COMPLEX ANNAPOLIS
Status: UI

Site Name: USN NAVAL ACADEMY (MD-063)
Address: PUBLIC WKS DEPT
ANNAPOLIS, MD 21402
Aliases: USN NAVAL ACADEMY WHERRY HOUSING PROJ
Status: NFRAP

Site Name: WOODS ROAD SITE (MD-192)
Address: END-WOODS RD/BORDERS MAGOTHY BR. RD
ANNAPOLIS, MD 21122
Aliases: NONE
Status: NFRAP

County ***BALTIMORE***

Site Name: 68TH STREET DUMP (MD-174)
Address: 68TH ST & PULASKI HWY
ROSEDALE, MD 21237
Aliases: NONE
Status: UI

Site Name: AVESTA SHEFFIELD (MD-173)
Address: ROLLING MILL RD

Aliases: BALTIMORE, MD 21224
Status: EASTERN STAINLESS STEEL (FORMERLY)
 NFRAP

Site Name: BALTIMORE GALVANIZING COMPANY INC (MD-069)
Address: 7110 QUAD AVE
 BALTIMORE, MD 21237
Aliases: NONE
Status: NFRAP

Site Name: BAUER FARM (MD-297)
Address: OFF NORTH PT RD & BAUERS FARM RD
 BALTIMORE, MD 21219
Aliases: NONE
Status: NFRAP

Site Name: BEACHWOOD DEVELOPMENT (MD-388)
Address: MORSE LN & TODD PT
 BALTIMORE, MD 21222
Aliases: NONE
Status: NFRAP

Site Name: BENDIX CORP (MD-395)
Address: 1300 JOPPA RD
 BALTIMORE, MD 21204
Aliases: NONE
Status: NFRAP

Site Name: BROWNING FERRIS IND - CHEM PROCESSING CNTR (MD-018)
Address: 101 NORRIS LN
 BALTIMORE, MD 21222
Aliases: CHEM PROCESSING CNTR, NORRIS FARM LF
Status: NFRAP

Site Name: COLGATE PAY DUMP (MD-176)
Address: 6700 PULASKI HWY (I-95 @ MORAVIA)
 BALTIMORE, MD 21237
Aliases: NONE
Status: NFRAP

Site Name: CUTRONICS (MD-380)
Address: 1925 & 1941 GREENSPRING DR
 TIMONIUM, MD 21093
Aliases: NONE
Status: NFRAP

Site Name: DUNDALK MARINE TERMINAL (MD-016)
Address: 2701 BROENING HWY
 BALTIMORE, MD 21222
Aliases: NONE
Status: NFRAP

Site Name: FORK - CONTROL (MD-210)
Address: END OF HUTSCHENREUTER RD
KINGSVILLE, MD 21057
Aliases: NONE
Status: NFRAP

Site Name: FORK - LAUNCH (MD-209)
Address: OFF STOCKDALE RD
KINGSVILLE, MD 21087
Aliases: NONE
Status: NFRAP

Site Name: GIBSON HOMANS (MD-316)
Address: 1101 HANZLIK AVE
BALTIMORE, MD 21237
Aliases: NONE
Status: NFRAP

Site Name: GRANITE - CONTROL (MD-212)
Address: 2845 HERNWOOD RD
WOODSTOCK, MD 21163
Aliases: NONE
Status: UI

Site Name: GRANITE - LAUNCH (MD-211)
Address: 3085 HERNWOOD RD
WOODSTOCK, MD 21163
Aliases: NONE
Status: NFRAP

Site Name: GREENSPRING - CONTROL (MD-214)
Address: GREENSPRING AVE
GREENSPRING, MD 21117
Aliases: NONE
Status: NFRAP

Site Name: GREENSPRING - LAUNCH (MD-213)
Address: RIDGE RD
GREENSPRING, MD 21117
Aliases: TOWSON - NIKE
Status: NFRAP

Site Name: INDUSTRIAL ENTERPRISES (MD-184)
Address: 7100 QUAD AVE
BALTIMORE, MD 21237
Aliases: NONE
Status: NFRAP

Site Name: MARTIN MARIETTA CORP (MD-172)
Address: 1601 ROLLING RD
BALTIMORE, MD 21227

Aliases: NONE
Status: NFRAP

Site Name: MARTIN'S STATE AIRPORT (MD-304)
Address: BOX 1 701 WILSON POINT RD
BALTIMORE, MD 21220

Aliases: NONE
Status: NFRAP

Site Name: MARTIN'S STATE AIRPORT SITE II (ANG) (MD-310)
Address: EASTERN AVE AND WILSON POINT RD
BALTIMORE, MD 21220

Aliases: AIR NATIONAL GUARD
Status: NFRAP

Site Name: OH WILLIAMSON (MD-238)
Address: WILLIAMSON LN
COCKEYSVILLE, MD 21030
Aliases: MANN & PARKER LUMBER CO
Status: NFRAP

Site Name: PARKTON LF (MD-449)
Address: I-83 & STABLERS CHURCH ROAD
PARKTON, MD 21120

Aliases: NONE
Status: NFRAP

Site Name: RM WINSTEAD CO (MD-133)
Address: 68TH ST & PULASKI HWY
BALTIMORE, MD 21237

Aliases: NONE
Status: NFRAP

Site Name: SAUER DUMP (MD-181)
Address: 4225 LYNHURST RD
BALTIMORE, MD 21222

Aliases: NONE
Status: UI

Site Name: SECURITY BLVD SITE (MD-188)
Address: 1718 K BELMONT AVE
BALTIMORE, MD 21207

Aliases: NONE
Status: NFRAP

Site Name: STANSBURY PARK (MD-265)
Address: STANSBURY & HYDRANGEA RDS
BALTIMORE, MD 21222

Aliases: NONE
Status: UI

Site Name: TOWSON LAUNCH BA - 92 (MD-412)
Address: RIDGE RD NEAR RT 45
TOWSON, MD 21136
Aliases: NONE
Status: UI

Site Name: US ARMY PHOENIX - CONTROL (MD-157)
Address: SUNNYBROOK RD
JACKSONVILLE, MD 21131
Aliases: USA PHOENIX NIKE SITE (FCA), PHOENIX NIKE, PHOENIX MILITARY
RESERVATION
Status: UI

Site Name: US ARMY PHOENIX - LAUNCH (MD-234)
Address: PAPERMILL RD
JACKSONVILLE, MD 21131
Aliases: NONE
Status: NFRAP

Site Name: VULCAN MATERIALS METALS DIV (MD-132)
Address: 2415 GRAYS RD
BALTIMORE, MD 21219
Aliases: NONE
Status: NFRAP

County ***BALTIMORE CITY***

Site Name: 1ST PLANT (MD-147)
Address: GUILFORD & SARATOGA STS
BALTIMORE, MD 21201
Aliases: NONE
Status: NFRAP

Site Name: 2ND PLT (MD-148)
Address: SARATOGA & HOLIDAY STS
BALTIMORE, MD 21201
Aliases: HOLIDAY PLT
Status: NFRAP

Site Name: ALLIED CHEM CORP - AG PLT (MD-010)
Address: 2000 RACE ST
BALTIMORE, MD 21231
Aliases: NONE
Status: NFRAP

Site Name: ALLIED CHEM CORP - BALTIMORE WKS (MD-013)
Address: BLOCK & WILLS STS
BALTIMORE, MD 21231
Aliases: BALTIMORE WKS
Status: NFRAP

Site Name: AMERICAN CHEMMATE (MD-152)
Address: HOWARD & WEST STS
BALTIMORE, MD 21230
Aliases: CHEMICAL SERVICES
Status: NFRAP

Site Name: AMERICAN RECOVERY CORP (MD-011)
Address: 1901 BIRCH ST
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: ANCHOR HOCKING CORP - CARR LOWREY GLASS (MD-140)
Address: 2201 KLOMAN ST
BALTIMORE, MD 21230
Aliases: NONE
Status: NFRAP

Site Name: BAYARD STATION (MD-161)
Address: BAYARD AND BUSH ST
BALTIMORE, MD 21201
Aliases: NONE
Status: NFRAP

Site Name: BLOEDE MANUFACTURER PROPERTY (MD-466)
Address: CORNER OF WILKENS & CATON AVE
BALTIMORE, MD 21229
Aliases: NONE
Status: NFRAP

Site Name: BOWLEY'S LANE LF (MD-154)
Address: MORAVIA RD
BALTIMORE, MD 21205
Aliases: NONE
Status: NFRAP

Site Name: BROWNING FERRIS IND - QUARANTINE RD (MD-019)
Address: 5901 QUARANTINE RD
BALTIMORE, MD 21226
Aliases: ROBB TYLER (BFI PORTION), QUARANTINE RD
Status: NFRAP

Site Name: CANTON STATION (MD-159)
Address: FAIT AND LAKEWOOD STS
BALTIMORE, MD 21201
Aliases: NONE
Status: NFRAP

Site Name: CHEMICAL METALS IND (MD-082)
Address: 2101 & 2103 ANNAPOLIS RD
BALTIMORE, MD 21230

Aliases: CMI
Status: UI

Site Name: CONOCO CHEMICAL CO BALTIMORE PLT (MD-109)
Address: 3441 FAIRFIELD RD
BALTIMORE, MD 21226
Aliases: VISTA CHEMICAL CORP
Status: NFRAP

Site Name: CONRAIL ORANGEVILLE YARD (MD-263)
Address: 6000 E LOMBARD ST
BALTIMORE, MD 21201
Aliases: NONE
Status: NFRAP

Site Name: CROWN CENTRAL PETROLEUM CORP (MD-112)
Address: 6000 PENNINGTON AVE
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: CROWN CENTRAL PETROLEUM CORP (MD-113)
Address: 1622 S CLINTON ST
BALTIMORE, MD 21224
Aliases: NONE
Status: NFRAP

Site Name: ESTECH GENERAL CHEM CO (MD-114)
Address: 5500 CHEM RD
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: FMC CORP (MD-017)
Address: 1701 E PATAPSCO AVE
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: HAWKINS PT - MD PORT ADMIN (MD-007)
Address: HAWKINS PT RD
BALTIMORE, MD 21202
Aliases: NONE
Status: NFRAP

Site Name: HIGHLAND TOWN GAS (MD-233)
Address: 3913 PULASKI HWY
BALTIMORE, MD 21224
Aliases: NONE
Status: NFRAP

Site Name: HUTTON AVENUE LF, E & W (MD-367)
Address: 4825-4835 WINDSOR MILL RD
 BALTIMORE, MD 21207
Aliases: RIDGETOP ROAD DUMP
Status: UI

Site Name: KANE & LOMBARD ST DRUMS (MD-169)
Address: KANE & LOMBARD STS
 BALTIMORE, MD 21224
Aliases: NONE
Status: NPL

Site Name: KOPPERS CO INC- ENGR MET PROD G (MD-284)
Address: 1400 BUSH ST
 BALTIMORE, MD 21230
Aliases: KAYDON RING & SEAL INC
Status: NFRAP

Site Name: M & T CHEMICALS INC (MD-118)
Address: 1900 CHESAPEAKE AVE
 BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

Site Name: MONUMENT ST LF (MD-092)
Address: MONUMENT ST & EDISON HWY
 BALTIMORE, MD 21205
Aliases: NONE
Status: NFRAP

Site Name: NIH-NIA GERONTOLOGY RESEARCH CNTR (MD-434)
Address: 4040 EASTERN AVE
 BALTIMORE, MD 21224
Aliases: NONE
Status: NFRAP

Site Name: OLIN CORP - CURTIS BAY (MD-014)
Address: 5501 PENNINGTON AVE
 BALTIMORE, MD 21226
Aliases: CURTIS BAY PLANT
Status: NFRAP

Site Name: PEMCO PRODUCTS (MD-055)
Address: 5601 EASTERN AVE
 BALTIMORE, MD 21224
Aliases: MOBAY CHEMICAL CORP PEMCO PROD DIV
Status: NFRAP

Site Name: PICORP INC (MD-179)
Address: 6508 E LOMBARD ST
 BALTIMORE, MD 21224

Aliases: NONE
Status: NFRAP

Site Name: REEDBIRD LF (MD-020)
Address: POTE ST & REEDBIRD AVE
BALTIMORE, MD 21202

Aliases: NONE
Status: NFRAP

Site Name: SAFETY KLEEN CORP (MD-343)
Address: 1448-50 DESOTO RD
BALTIMORE, MD 21230

Aliases: NONE
Status: NFRAP

Site Name: SCM CORP QUARANTINE RD SITE (MD-009)
Address: 5901 QUARANTINE RD
BALTIMORE, MD 21226

Aliases: ROBB TYLER LF
Status: NFRAP

Site Name: SCOTT ST STATION (MD-191)
Address: SCOTT & OSTEND STS
BALTIMORE, MD 21230

Aliases: NONE
Status: NFRAP

Site Name: SEVERN ST STATION (MD-245)
Address: 1400 BLK SEVERN ST
BALTIMORE, MD 21230

Aliases: NONE
Status: NFRAP

Site Name: SHERWIN WILLIAMS (MD-279)
Address: 2325 HOLLINS FERRY RD
BALTIMORE, MD 21230

Aliases: NONE
Status: NFRAP

Site Name: SPRING GARDENS (MD-145)
Address: FORT & LEADENHALL STS
BALTIMORE, MD 21201

Aliases: NONE
Status: DEFERRAL

Site Name: TEXACO INC (MD-131)
Address: 3820 FOURTH AVE
BALTIMORE, MD 21226

Aliases: NONE
Status: NFRAP

Site Name: WR GRACE & CO - DAVIDSON CHEM DIV (MD-015)
Address: 5500 CHEMICAL RD
BALTIMORE, MD 21226
Aliases: NONE
Status: NFRAP

County **CALVERT**

Site Name: USN NAVAL RESEARCH LAB - CHES BAY DETACH (MD-062)
Address: MD RD 261
RANDLE CLIFF BEACH, MD 20732
Aliases: USN NAVAL RESEARCH LAB, USN CHES BAY DETACH PAST CHEM LF, USN
CHES BAY DETACH BLDG 4

Status: NFRAP

Site Name: USN SURFACE WARFARE CNTR-SOLOMON'S ISLAND (MD-058)
Address: DEPT OF THE NAVY
SOLOMON'S ISLAND, MD 20688
Aliases: NONE
Status: UI

County **CAROLINE**

Site Name: RELIANCE WOOD PRESERVING CO (MD-240)
Address: RELIANCE RD
FEDERALSBURG, MD 21632
Aliases: NONE
Status: UI

Site Name: SKIPJACK CHEMICALS, INC. (MD-416)
Address: RT 2 BOX 26E
DENTON, MD 21629
Aliases: NONE
Status: NFRAP

County **CARROLL**

Site Name: BACHMANS VALLEY LF (MD-333)
Address: 1920 BACHMANS VALLEY RD
MANCHESTER, MD 21102
Aliases: NONE
Status: NFRAP

Site Name: BLACK & DECKER (MD-370)
Address: 10 NORTH PARK DR
HAMPSTEAD, MD 21074
Aliases: NONE
Status: DEFERRAL

Site Name: CRANBERRY RUN SUB STATION (MD-190)
Address: OLD MANCHESTER RD
WESTMINSTER, MD 21157
Aliases: NONE
Status: NFRAP

Site Name: HODGES LF (MD-447)
Address: HODGES RD
ELDERSBURG, MD 21784
Aliases: NONE
Status: NFRAP

Site Name: LEHIGH PORTLAND CEMENT COMPANY (MD-437)
Address: 117 SOUTH MAIN STREET
UNION BRIDGE, MD 21791
Aliases: NONE
Status: NFRAP

Site Name: MIL SPEC FASTENERS CORP (MD-332)
Address: RT 30 BOX 59A - HANOVER PIKE
HAMPSTEAD, MD 21074
Aliases: NONE
Status: NFRAP

Site Name: RAY'S AUTO PARTS E.R. (MD-478)
Address: 7571 MIDDLEBERG ROAD
DETOUR, MD
Aliases: NONE
Status: NFRAP

Site Name: W DORSEY PROPERTY (MD-357)
Address: 804 E RIDGEVILLE RD
MT AIRY, MD 21773
Aliases: NONE
Status: NFRAP

County ***CECIL***

Site Name: ANCHOR MARINA ASSESSMENT (MD-474)
Address: .5 OFF RT 272 IRIQUOIS DR
NORTH EAST, MD 21901
Aliases: NONE
Status: NFRAP

Site Name: CHILDS PROPERTY (MD-318)
Address: 180 CHILDS RD
CHILDS, MD 21921
Aliases: PAUL MRAZ
Status: NFRAP

Site Name: DWYER PROPERTY (MD-313)

Address: RTS 279 & 545 PARCEL 1037 SW
ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: ELKTON FARM (MD-433)
Address: 183 ZEITLER RD
ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: ELKTON GAS LIGHT CO (MD-196)
Address: WATER ST
ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: GE RAIL (MD-294)
Address: TRINCO INDUSTRIAL PARK
ELKTON, MD 21921
Aliases: P & R RAILCAR SERV CORP
Status: NFRAP

Site Name: HOPKINS QUARRY (MD-450)
Address: HOPKINS QUARRY
PORT DEPOSIT, MD 21904
Aliases: NONE
Status: NFRAP

Site Name: IP INC (MD-372)
Address: TRINCO INDUSTRIAL PARK
ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: MONTGOMERY BROTHERS (MD-137)
Address: OFF NAZARENE CAMP RD
NORTHEAST, MD 21921
Aliases: NORTH EAST DUMP
Status: NFRAP

Site Name: NATIONAL FIREWORKS (MD-386)
Address: FAIRHILL RD PARCELS 75 & 1075
ELKTON, MD 21921
Aliases: VICON PROPERTY
Status: NFRAP

Site Name: ORDNANCE PRODUCTS INC (MD-268)
Address: MECHANICS VALLEY RD
NORTHEAST, MD 21901
Aliases: MECHANICS VALLEY ORDNANCE SITE

Status: NPL

Site Name: RT 7 CHEM DUMP SITE (MD-075)
Address: 1.9 MILES W OF RT 40
 ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: SAND GRAVEL & STONE SITE (MD-033)
Address: RT 40
 ELKTON, MD 21921
Aliases: ELKTON QUARRY, MD SAND & GRAVEL
Status: NPL

Site Name: SPECTRON INC (MD-045)
Address: 111 PROVIDENCE RD
 ELKTON, MD 21921
Aliases: GALAXY CHEMICAL, SOLVENT DISTILLERS
Status: NPL

Site Name: THIOKOL CORP ELKTON (MD-100)
Address: RT 40
 ELKTON, MD 21921
Aliases: MORTON-THIOKOL, CIBA-GEIGY
Status: NFRAP

Site Name: TRIUMPH INDUSTRIAL PARK (MD-303)
Address: 3 BLUE BALL RD - PO BOX 1130
 ELKTON, MD 21921
Aliases: W.L. GORE
Status: NFRAP

Site Name: VICON PROPERTY (MD-366)
Address: DOGWOOD & SINGERLY RDS
 ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: WHITTAKER TROJAN YACHT (MD-402)
Address: OLDFIELD POINT RD
 ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: WL GORE - CHERRY HILL (MD-337)
Address: 2401 SINGERLY RD
 ELKTON, MD 21921
Aliases: NONE
Status: NFRAP

Site Name: WOODLAWN LF (MD-050)

Address: FIRE TOWER & WAIBEL RDS
WOODLAWN, MD 21904
Aliases: WOODLAWN TRANSFER STATION, WOODLAWN LF
Status: NPL

County CHARLES

Site Name: BLOSSOM POINT FIELD TEST AREA (MD-136)
Address: CEDAR POINT NECK
LA PLATA, MD 20646
Aliases: DIAMOND LABS TEST AREA
Status: NFRAP

Site Name: CHARLES COUNTY SANITARY LF (MD-261)
Address: RT 425
PISGAH, MD 20640
Aliases: NONE
Status: NFRAP

Site Name: INDIAN HEAD NAVAL SURFACE WARFARE CENTER (MD-064)
Address: RT 210
INDIAN HEAD, MD 20640
Aliases: USN NAVAL ORDNANCE STATION - 1006
Status: NPL

Site Name: POMONKEY - CONTROL (MD-218)
Address: BUMPY OAK RD
POMONKEY, MD 20646
Aliases: NONE
Status: NFRAP

Site Name: POMONKEY - LAUNCH (MD-217)
Address: BUMPY OAK RD
POMONKEY, MD 20646
Aliases: NONE
Status: NFRAP

Site Name: US NAVAL RESEARCH LAB - CONTROL (MD-216)
Address: END OF LAUREL BRANCH RD
WALDORF, MD 20601
Aliases: NONE
Status: NFRAP

Site Name: WALDORF - CONTROL (MD-219)
Address: COUNTRY LN
WALDORF, MD 20601
Aliases: W-44
Status: NFRAP

County DORCHESTER

Site Name: BEULAH LF (MD-299)
Address: RT 331
BEULAH, MD 21643
Aliases: NONE
Status: NFRAP

Site Name: NELSONS BODY SHOP (MD-420)
Address: RT 16 & CHESAPEAKE DR
CAMBRIDGE, MD 21613
Aliases: NONE
Status: NFRAP

Site Name: USN BLOODSWORTH ARCHIPELAGO (MD-086)
Address: N POTOMAC R RUNS CHESPKE BAY
N/A, MD 21613
Aliases: NONE
Status: UI

County ***FREDERICK***

Site Name: EASTALCO ALUMINUM CO (MD-202)
Address: 5601 MANOR WOODS RD
FREDERICK, MD 21701
Aliases: NONE
Status: NFRAP

Site Name: FORT DETRICK AREA B (MD-428)
Address: ROSEMONT AVE
FREDERICK, MD 21701
Aliases: NONE
Status: UI

Site Name: FREDERICK TOWN GAS (MD-164)
Address: 350 CHURCH ST
FREDERICK, MD 21701
Aliases: NONE
Status: NFRAP

Site Name: NCI FREDERICK CANCER RESEARCH (MD-066)
Address: FT DETRICK
FREDERICK, MD 21701
Aliases: NONE
Status: UI

Site Name: USA FORT DETRICK (MD-076)
Address: FT DETRICK
FREDERICK, MD 21701
Aliases: FREDERICK CANCER RESEARCH CENTER
Status: UI

Site Name: USN NAVAL SUPPORT FACILITY (MD-060)

Address: PO BOX 1000
THURMONT, MD 21788
Aliases: USN NAVAL SUPPLY FACILITIES
Status: NFRAP

County ***GARRETT***

Site Name: OAKLAND JUNKYARD SITE (MD-255)
Address: RT 219
OAKLAND, MD 21053
Aliases: ERNIE MARTINS
Status: NFRAP

Site Name: TEXAS EASTERN - ACCIDENT STATION (MD-271)
Address: FRIENDSVILLE RD
ACCIDENT, MD 21520
Aliases: NONE
Status: NFRAP

County ***HARFORD***

Site Name: ABERDEEN DUMP (MD-001)
Address: MICHAEL LN
ABERDEEN, MD 21001
Aliases: NONE
Status: NFRAP

Site Name: ABERDEEN PROVING GROUND - EDGEWOOD AREA (MD-032)
Address: OFF RT 40
ABERDEEN, MD 21001
Aliases: USA APG, USA EDGEWOOD ARSENAL, USCG-UPPER CHESAPEAKE RANGE
USCG - POOLE ISLAND RANGE
Status: NPL

Site Name: ABERDEEN PROVING GROUND-MICHAELSVILLE LF (MD-065)
Address: OFF RT 40
ABERDEEN, MD 21005
Aliases: USA EDGEWOOD ARSENAL, USCG - POOLE ISLAND RANGE, USCG -
UPPER CHESAPEAKE RANGE
Status: NPL

Site Name: ABINGDON LF (MD-301)
Address: RT 7
ABINGDON, MD 21009
Aliases: NONE
Status: NFRAP

Site Name: BRAXTON PROPERTY LF (MD-460)

Address: BUSH RD
ABINGDON, MD 21009
Aliases: NONE
Status: NFRAP

Site Name: BUSH VALLEY LF (MD-002)
Address: BUSH RD - PO BOX 246
ABINGDON, MD 21009
Aliases: HARRIS LF
Status: NPL

Site Name: HAVRE DE GRACE DUMP (MD-037)
Address: QUARRY RD
HAVRE DE GRACE, MD 21078
Aliases: NONE
Status: NFRAP

Site Name: HAVRE DE GRACE PLT (MD-162)
Address: 200 BLOCK JUNIATA ST
HAVRE DE GRACE, MD 21078
Aliases: NONE
Status: NFRAP

Site Name: IW JENKINS - MOUNTAIN RD PROPERTY (MD-387)
Address: 2206 MOUNTAIN RD - CENTRAL
JOPPA, MD 21085
Aliases: NONE
Status: NFRAP

Site Name: JOHNSON PROPERTY LF (MD-462)
Address: BUSH RD
ABINGDON, MD 21009
Aliases: NONE
Status: NFRAP

Site Name: LONGS SEPTIC (MD-363)
Address: 4025 GRAVEL HILL RD
HAVRE DE GRACE, MD 21078
Aliases: GRAVEL HILL RD
Status: NFRAP

Site Name: MILLER CHEMICAL & FERTILIZER CORP (MD-123)
Address: RTS 136 & 135
WHITEFORD, MD 21160
Aliases: NONE
Status: NFRAP

Site Name: MULLINS LF (MD-038)
Address: OLD POST RD RT 132
HAVRE DE GRACE, MD 21078
Aliases: NONE

Status: UI

Site Name: SCARBORO LF (MD-236)
Address: SCARBORO RD
SCARBORO, MD 21154
Aliases: NONE
Status: DEFERRAL

Site Name: UNION RD DUMP (MD-446)
Address: 1515 UNION RD
ABERDEEN, MD 21001
Aliases: LEISKE DUMP
Status: UI

County **HOWARD**

Site Name: CEMETARY LN (MD-305)
Address: MAYFIELD & MEADOWBRIDGE
ELKRIDGE, MD 21227
Aliases: HOWARD COUNTY DRUM DUMP
Status: NFRAP

Site Name: GENERAL ELECTRIC CO (MD-115)
Address: APPLIANCE PARK E
COLUMBIA, MD 21046
Aliases: NONE
Status: NFRAP

Site Name: LONG LIFE TREATED WOOD INC (MD-241)
Address: DORSEY RACEWAY RD
DORSEY, MD 21076
Aliases: NONE
Status: NFRAP

Site Name: MAYFIELD REPAIR FACILITY (MD-465)
Address: 7751 MAYFIELD AVE
ELKRIDGE, MD 21227
Aliases: MAYFIELD SHOP BUREAU OF HIGHWAY
Status: NFRAP

Site Name: MULLINEX FARM (MD-330)
Address: FLORENCE & MULLINEX RDS
LISBON, MD 21765
Aliases: NONE
Status: NFRAP

Site Name: WR GRACE WASHINGTON RESEARCH CENTER (MD-117)
Address: 7379 RT 32
COLUMBIA, MD 21044
Aliases: NONE
Status: NFRAP

County **KENT**

Site Name: CHESTERTOWN GAS CO (MD-198)
Address: W HIGH ST
CHESTERTOWN, MD 21620
Aliases: NONE
Status: NFRAP

Site Name: CHESTERTOWN MUNICIPAL DUMP (MD-029)
Address: FLATLAND RD
CHESTERTOWN, MD 21620
Aliases: NONE
Status: NFRAP

Site Name: KENT PIT (MD-454)
Address: KENT CO TAX MAP PARCEL 222
CHESTERTOWN, MD 21620
Aliases: NONE
Status: NFRAP

Site Name: LAURENCE J NICHOLSON LF (MD-138)
Address: NICHOLSON RD
CHESTERTOWN, MD 21620
Aliases: NICHOLSON LF
Status: NFRAP

Site Name: TENNACO INC - CHESTERTOWN PLT (MD-028)
Address: RT 297
CHESTERTOWN, MD 21620
Aliases: NUODEX INC - CHESTERTOWN PLT
Status: NFRAP

Site Name: TOLCHESTER - CONTROL (MD-221)
Address: TOLCHESTER BEACH RD
TOLCHESTER, MD 21661
Aliases: NONE
Status: NFRAP

Site Name: TOLCHESTER - LAUNCH (MD-220)
Address: ROCK HALL - TOLCHESTER RD
TOLCHESTER, MD 21661
Aliases: CHESTERTOWN - NIKE
Status: UI

County **MONTGOMERY**

Site Name: DAVID TAYLOR RESEARCH CENTER (MD-409)
Address: CODE C231
BETHESDA, MD 20084
Aliases: NONE

Status: UI

Site Name: GAITHERSBURG - CONTROL (MD-223)
Address: 8510 SNOUFFERS SCHOOL RD
GAITHERSBURG, MD 20879
Aliases: NONE
Status: NFRAP

Site Name: GAITHERSBURG - LAUNCH (MD-222)
Address: OFF SNOUFFERS SCHOOL RD
GAITHERSBURG, MD 20879
Aliases: GAITHERSBURG RESEARCH FACILITY
Status: NFRAP

Site Name: KENNETH SHUMAKER DUMP (MD-306)
Address: BARNESVILLE RD
BARNESVILLE, MD 20872
Aliases: NONE
Status: NFRAP

Site Name: LAYTONSVILLE - CONTROL (MD-225)
Address: ZION RD
LAYTONSVILLE, MD 20879
Aliases: NIKE W-93
Status: NFRAP

Site Name: LAYTONSVILLE - LAUNCH (MD-224)
Address: 5321 RIGGS RD
LAYTONSVILLE, MD 20879
Aliases: NONE
Status: NFRAP

Site Name: MCCORMICK PAINT WORKS (MD-398)
Address: 2355 LEWIS AVE
ROCKVILLE, MD 20851
Aliases: NONE
Status: NFRAP

Site Name: NATIONAL INSTITUTE OF HEALTH (MD-150)
Address: 900 ROCKVILLE PIKE
BETHESDA, MD 20014
Aliases: NONE
Status: NFRAP

Site Name: NATIONAL INSTITUTE OF STANDARD TECHNOLOGY (MD-407)
Address: I-270 & QUINCE ORCHARD RD
GAITHERSBURG, MD 20899
Aliases: NONE
Status: NFRAP

Site Name: NAVAL MEDICAL COMMAND (MD-335)

Address: 8901 WISCONSIN AVE
BETHESDA, MD 20814
Aliases: NONE
Status: NFRAP

Site Name: ROCKVILLE - CONTROL (MD-227)
Address: 10901 DARNSTOWN RD
GAITHERSBURG, MD 20878
Aliases: NONE
Status: NFRAP

Site Name: ROCKVILLE - LAUNCH (MD-226)
Address: MUDDY BRANCH RD
GAITHERSBURG, MD 20878
Aliases: NONE
Status: NFRAP

Site Name: SAFETY KLEEN CORP - SILVER SPRING (MD-344)
Address: 12164 TECH RD
SILVER SPRING, MD 20904
Aliases: NONE
Status: NFRAP

Site Name: USN NAVAL SURFACE WARFARE CTR - WHITE OAK (MD-061)
Address: 10901 NEW HAMPSHIRE AVE
SILVER SPRING, MD 20903
Aliases: NONE
Status: UI

Site Name: WALTER REED AMC FOREST GLEN ANNEX (MD-404)
Address: 2961 LINDEN LN
ROCKVILLE, MD 20910
Aliases: NONE
Status: UI

Site Name: WALTER REED ARMY MEDICAL CENTER (MD-432)
Address: RT 193
WHEATON, MD 20902
Aliases: NONE
Status: NFRAP

Site Name: WEINSCHER ENGINEERING (MD-180)
Address: 1 WEINSCHER LN
GAITHERSBURG, MD 20877
Aliases: NONE
Status: NFRAP

County ***PRINCE GEORGES***

Site Name: ADELPHI LABORATORY CENTER (MD-068)
Address: 2800 POWDER MILL RD

Aliases: ADELPHI, MD 20783
USA HARRY DIAMONDS LABS
Status: UI

Site Name: AGGREGATE INDUSTRIES (MD-359)
Address: DOWER HOWSER RD
MELLWOOD, MD 20772
Aliases: NONE
Status: NFRAP

Site Name: ANACOSTIA RIVER PARK (MD-024)
Address: S OF BLADENSBURG RD
BLADENSBURG, MD 20722
Aliases: NONE
Status: NFRAP

Site Name: BELTSVILLE AGRICULTURAL RESEARCH (USDA) (MD-053)
Address: BLDGS 1321 & 204 BARL
BELTSVILLE, MD 20705
Aliases: FDA VET MED (TENANT), FDA RESEARCH FAC (TENANT), BELTSVILLE
AGRICULTURAL CENTER
Status: NPL

Site Name: BLADENSBURG ACETYLENE (MD-039)
Address: 2900 52ND AVE
HYATTSVILLE, MD 20781
Aliases: AIR PRODUCTS INC
Status: NFRAP

Site Name: BRANDYWINE - CONTROL (MD-229)
Address: 13400 EDGEMEADE RD
UPPER MARLBORO, MD 20772
Aliases: NONE
Status: NFRAP

Site Name: BRANDYWINE - LAUNCH (MD-228)
Address: CANDY HILL RD
NAYLOR, MD 20772
Aliases: UPPER MARLBORO -NIKE
Status: NFRAP

Site Name: BRANDYWINE DRMO SALVAGE YARD (MD-413)
Address: RT 381 BRANDYWINE RD
ANDREWS, MD 20331
Aliases: NONE
Status: NPL

Site Name: CELIA LUST (MD-295)
Address: BALTIMORE BLVD & SOUTHARD DR
BELTSVILLE, MD 20705

Aliases: NONE
Status: NFRAP

Site Name: CONTEE SAND & GRAVEL (MD-182)
Address: OFF VIRGINIA MANOR RD
BELTSVILLE, MD 20705
Aliases: NONE
Status: NFRAP

Site Name: CROOM - CONTROL (MD-231)
Address: 15100 MT CALVERT RD
UPPER MARLBORO, MD 20772
Aliases: NONE
Status: NFRAP

Site Name: CROOM - LAUNCH (MD-230)
Address: 8520 DUVALL RD
UPPER MARLBORO, MD 20772
Aliases: NONE
Status: UI

Site Name: EAGLE HARBOR TIRE FIRE (MD-443)
Address: EAGLE HARBOR RD
EAGLE HARBOR, MD 20608
Aliases: NONE
Status: NFRAP

Site Name: GLENDALE PLANT GERMPLOSM QUARANTINE FAC (MD-427)
Address: 11601 OLD POND DR
GLENN DALE, MD 20769
Aliases: NONE
Status: UI

Site Name: KOPPERS CO DUMPSITE LAUREL (MD-040)
Address: RT 1 & CONTEE RD
LAUREL, MD 20707
Aliases: NONE
Status: NFRAP

Site Name: KOPPERS CO LAUREL (MD-134)
Address: RIVERSIDE DR
LAUREL, MD 20707
Aliases: NONE
Status: NFRAP

Site Name: LAUREL CITY LF (MD-183)
Address: RT 198 FT MEADE RD
LAUREL, MD 20707
Aliases: NONE
Status: NFRAP

Site Name: MID ATLANTIC FINISHING INC (MD-419)
Address: 4656 ADDISON RD
CAPITOL HEIGHTS, MD 20743
Aliases: NONE
Status: NFRAP

Site Name: MINERAL PIGMENTS CORP - BELTSVILLE (MD-278)
Address: 7011 MUIRKIRK RD
BELTSVILLE, MD 20705
Aliases: NONE
Status: NFRAP

Site Name: NASA - GODDARD SPACE FLIGHT CENTER (MD-368)
Address: GREENBELT, MD 20770
Aliases: NONE
Status: NFRAP

Site Name: NELSON PERRIE DUMP (MD-355)
Address: 15200 NELSON PERRIE RD
BRANDYWINE, MD 20613
Aliases: NONE
Status: NFRAP

Site Name: OLD FORT ROAD SITE (MD-171)
Address: 11920 OLD FORT RD
FORT WASHINGTON, MD 20744
Aliases: NONE
Status: UI

Site Name: PAINT BRUSH LF AREA #3 (MD-470)
Address: UNIV OF MD COLLEGE PARK CAMPUS
COLLEGE PARK, MD 20742
Aliases: NONE
Status: NFRAP

Site Name: PATUXENT WILDLIFE RESEARCH CENTER (MD-267)
Address: RT 197 AND POWDERMILL RD
LAUREL, MD 20708
Aliases: PATUXENT ENVIRONMENTAL SCIENCE CNTR., US BIOLOGICAL SURVEY
Status: NFRAP

Site Name: UNITED RIGGING & HAULING (MD-248)
Address: 6701 AMMENDALE RD
BELTSVILLE, MD 20705
Aliases: NONE
Status: NFRAP

Site Name: US NAVAL COMMUNICATION UNIT (MD-323)
Address: DANGERFIELD & COMMO RDS
CHELTENHAM, MD 20735

Aliases: NONE
Status: NFRAP

Site Name: USAF ANDREWS AIR FORCE BASE (MD-088)
Address: PERIMETER RD
ANDREWS AFB, MD 20331
Aliases: USAF SANITARY LF #1, USAF SANITARY LF #2
Status: NPL

Site Name: WALDORF - LAUNCH (MD-232)
Address: COUNTRY LN
BRANDYWINE, MD 20613
Aliases: NONE
Status: UI

Site Name: WILLIAM PLEASANTS (MD-358)
Address: ALLENTOWN RD
FRIENDLY, MD 20744
Aliases: NONE
Status: NFRAP

Site Name: WP BALLARD BLDG (MD-338)
Address: 10722 TUCKER ST
BELTSVILLE, MD 20705
Aliases: NONE
Status: NFRAP

County ***QUEEN ANNES***

Site Name: TOM DODD SPORTING CLAYS SITE (MD-459)
Address: 620 TOM DODD FARM LN
QUEENSTOWN, MD 21658
Aliases: NONE
Status: NFRAP

County ***SOMERSET***

Site Name: BEITZEL CABINET & MILLWORK INC (MD-425)
Address: BROAD ST
PRINCESS ANNE, MD 21853
Aliases: NONE
Status: NFRAP

Site Name: CRISFIELD CITY DUMP (MD-111)
Address: WATER ST
CRISFIELD, MD 21817
Aliases: NONE
Status: NFRAP

Site Name: CRISFIELD LIGHT & POWER CO (MD-193)

Address: RT 413
CRISFIELD, MD 21817
Aliases: NONE
Status: NFRAP

Site Name: RING LF (MD-129)
Address: MILLARD RD
WESTOVER, MD 21871
Aliases: SOMERSET COUNTY LF, WESTOVER LF
Status: NFRAP

Site Name: WESTOVER LF (MD-130)
Address: ARDEN STATION RD
WESTOVER, MD 21871
Aliases: WESTOVER LF #2, SOMERSET COUNTY LF
Status: NFRAP

County ***ST MARYS***

Site Name: GENSTAR STONE PRODUCTS (MD-364)
Address: RT 235
HOLLYWOOD, MD 20636
Aliases: NONE
Status: NFRAP

Site Name: PATUXENT RIVER NAVAL AIR STATION (MD-057)
Address: BUTT RIFLE RANGE LF
PATUXENT, MD 20670
Aliases: USN NAVAL AIR STATION LF
Status: NPL

Site Name: SPRINGER SEPTIC SERVICES (MD-256)
Address: 8 & CHAPTICO HWY RD
CHAPITCO, MD 20621
Aliases: NONE
Status: NFRAP

Site Name: THIOKOL CORP MECHANICSVILLE (MD-101)
Address: RT 235
MECHANICSVILLE, MD 20659
Aliases: NONE
Status: NFRAP

Site Name: USN NAVAL ELECTRONICS SYS ENG ACT (MD-324)
Address: VILLA RD OFF RT 5
ST INIGOES, MD 20684
Aliases: NONE
Status: NFRAP

County ***TALBOT***

Site Name: DOC NAT'L MARINE FISHERIES SERV (MD-415)
Address: SOUTH MORRIS ST EXT
OXFORD, MD 21654
Aliases: NONE
Status: UI

County **WASHINGTON**

Site Name: ANGSTROHM PRECISION INC (MD-346)
Address: 1 PRECISION PL
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: CENTRAL CHEMICAL CORP (MD-302)
Address: MITCHELL AVE
HAGERSTOWN, MD 21741
Aliases: NONE
Status: NPL

Site Name: FAIRCHILD REPUBLIC CO PLANT 11 (MD-056)
Address: SHOWALTER RD
HAGERSTOWN, MD 21740
Aliases: FAIRCHILD LAND DISPOSAL, FAIRCHILD REPUBLIC CO. - PLANT 12
Status: NFRAP

Site Name: GENUINE PARTS CO - RAYLOCK DIV. (MD-350)
Address: 100 RAYLOCK DR
HANCOCK, MD 21750
Aliases: NONE
Status: NFRAP

Site Name: HAGERSTOWN - AMERICAN LIGHT & HEAT CO (MD-194)
Address: SPRUCE ST
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: HAGERSTOWN - BROADFORDING RD (MD-341)
Address: CEARFOSS & BROADFORDING RD
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: HAGERSTOWN LIGHT & HEAT CO (MD-246)
Address: SOUTH LOCUST ST
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: HAGERSTOWN LIGHT & HEAT CO (MD-247)

Address: W WASHINGTON ST
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: KOPPERS CO HAGERSTOWN PLT (MD-036)
Address: 100 CLAIR ST
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: NEWELL ENTERPRISES INC (MD-329)
Address: PO BOX 1157
HAGERSTOWN, MD 21740
Aliases: NONE
Status: NFRAP

Site Name: WD BYRON & SONS INC (MD-151)
Address: 312 N CONOCOCHEAGUE
WILLIAMSPORT, MD 21795
Aliases: DIVISION OF WALTER KIDDE & CO
Status: NFRAP

County **WICOMICO**

Site Name: ATLANTIC WOOD INDUSTRIES (MD-243)
Address: OLD EDEN RD
FRUITLAND, MD 21826
Aliases: NONE
Status: NFRAP

Site Name: CHESAPEAKE SHIPBUILDERS INC (MD-374)
Address: 710 FITZWATER ST
SALISBURY, MD 21801
Aliases: NONE
Status: NFRAP

Site Name: DRESSER INDUSTRIES (MD-275)
Address: 124 WEST COLLEGE AVE
SALISBURY, MD 21801
Aliases: NONE
Status: NFRAP

Site Name: KOPPERS CO SALISBURY (MD-044)
Address: QUANTICO RD
SALISBURY, MD 21801
Aliases: SALISBURY PLT
Status: NFRAP

Site Name: LONG-LIFE TREATED WOOD INC (MD-237)
Address: OLD RAILROAD RD

Aliases: HEBRON, MD 21830
Status: NONE
NFRAP

Site Name: SALISBURY TOWN GAS (MD-163)
Address: 520 COMMERCE ST
SALISBURY, MD 21801
Aliases: NONE
Status: NFRAP

County **WORCESTER**

Site Name: BERLIN LF (MD-186)
Address: BERLIN, MD 21811
Aliases: NONE
Status: NFRAP

Site Name: CHESAPEAKE WOOD TREATING CORP (MD-453)
Address: POCOMOKE
POCOMOKE CITY, MD 21851
Aliases: NONE
Status: NFRAP

**Maryland Department of the
Formerly Investigated Sites
July 2009**

County **ALLEGANY**

Site Name: AETNA LUMBER (MD-458)
Address: RT 6 BOX 212
CUMBERLAND, MD 21502
Aliases: NONE
Status: FIS

Site Name: LAVALE WAREHOUSE FIRE (MD-328)
Address: 1210 NATIONAL HWY
LAVALE, MD 21502
Aliases: NONE
Status: FIS

Site Name: PRECISE METALS AND PLASTICS, INC (MD-339)
Address: DAY RD, MEXICO FARMS INDUS PRK
CUMBERLAND, MD 21502
Aliases: NONE
Status: FIS

Site Name: WILLISON OIL COMPANY (MD-457)
Address: RT 2 BOX 101
CUMBERLAND, MD 21502
Aliases: NONE
Status: FIS

County **ANNE ARUNDEL**

Site Name: A.S. PEARMON (MD-452)
Address: 1270 HARDY RD
ARNOLD, MD 21012
Aliases: NONE
Status: FIS

Site Name: ANNAPOLIS PLANT (MD-141)
Address: CALVERT & ST JOHN STS
ANNAPOLIS, MD 21401
Aliases: NONE
Status: FIS

Site Name: ANNE ARUNDEL CO LF (MD-035)
Address: DOVER RD
GLEN BURNIE, MD 21061
Aliases: GLEN BURNIE LF
Status: FIS

Site Name: CHERRY PIT DRUM (MD-480)
Address: 701 PITTMAN ROAD - SITE B
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: DAVID TAYLOR/ANNAPOLIS - CONTROL (MD-204)
Address: 640A BROADNECK RD
ANNAPOLIS, MD 21401
Aliases: NONE
Status: FIS

Site Name: DAVIDSONVILLE - CONTROL (MD-206)
Address: QUEEN ANNE BRIDGE & WAYSON RDS
DAVIDSONVILLE, MD 21035
Aliases: NONE
Status: FIS

Site Name: DAVIDSONVILLE-LAUNCH (MD-205)
Address: 3737 ELMER HAGNER LN
DAVIDSONVILLE, MD 21035
Aliases: NONE
Status: FIS

Site Name: DIAMOND SHAMROCK CORP CHEMETALS DIV (MD-071)
Address: 711 PITTMAN RD
BALTIMORE, MD 21226
Aliases: CHEMETALS CORP
Status: FIS

Site Name: EPA CENTRAL REGIONAL LABORATORY (MD-429)
Address: 839 BESTGATE RD
ANNAPOLIS, MD 21401
Aliases: NONE
Status: FIS

Site Name: FRESH POND (MD-365)
Address: FOREST GLEN DR
PASADENA, MD 21122
Aliases: NONE
Status: FIS

Site Name: KOP-FLEX INC (MD-286)
Address: 101 HARMAN RD
HARMON, MD 21077
Aliases: KOPPERS CO INC POWER TRANS
Status: FIS

Site Name: MID-ATLANTIC WOOD PRESERVERS (MD-070)
Address: PO BOX 58 SHIPLEY AVE
HARMANS, MD 21077

Aliases: MID-ATLANTIC HARMANS WOOD TR FACTORY
Status: FIS

Site Name: MIDDLETOWN RD DUMP SITE (MD-081)
Address: MIDDLETOWN RD
ANNAPOLIS, MD 21401
Aliases: DALE DICKERSON DUMP
Status: FIS

Site Name: NEVAMAR CORP (MD-072)
Address: 8339 TELEGRAPH RD
ODENTON, MD 21113
Aliases: NONE
Status: FIS

Site Name: PUBLISHERS PRINTING SERVICE INC. (MD-417)
Address: 10650 RIGGS HILL RD
JESSUP, MD 20794
Aliases: NONE
Status: FIS

Site Name: SNOW HILL LANE SITE (MD-201)
Address: SNOW HILL LN & CEDAR HILL LN
BALTIMORE, MD 21225
Aliases: CHERKOFF SITE
Status: FIS

Site Name: VECTRA CORP - ODENTON (MD-041)
Address: 8305 TELEGRAPH RD
ODENTON, MD 21113
Aliases: ODENTON PLT, CHEVRON CHEMICAL
Status: FIS

County ***BALTIMORE***

Site Name: BACK RIVER (MD-448)
Address: OFF BEACHWOOD AVE @ PORTER PT
BALTIMORE, MD 21221
Aliases: NONE
Status: FIS

Site Name: BATAVIA LF (MD-175)
Address: 619 BATAVIA FARM RD
BALTIMORE, MD 21222
Aliases: NONE
Status: FIS

Site Name: BAUSCH & LOMB, DIECRAFT (MD-155)
Address: 14600 YORK RD
SPARKS, MD 21152
Aliases: NONE

Status: FIS

Site Name: BUCKS STEEL DRUM (MD-187)

Address: 8234 ROSEBANK AVE
BALTIMORE, MD 21222

Aliases: NONE

Status: FIS

Site Name: CIRCUIT CITY (MD-315)

Address: 6211 ROSSVILLE BLVD
BALTIMORE, MD 21237

Aliases: NONE

Status: FIS

Site Name: FOUR CORNERS (JACKSONVILLE) (MD-264)

Address: JARRETSVILLE PK & SWEET AIR RD
JACKSONVILLE, MD 21131

Aliases: JACKSONVILLE SITE, FOUR CORNERS EXXON

Status: FIS

Site Name: J & L INDUSTRIES INC (MD-280)

Address: 6923 EBENEZER RD
BALTIMORE, MD 21220

Aliases: NONE

Status: FIS

Site Name: KOPPERS CO (MD-285)

Address: GLEN ARM RD
GLEN ARM, MD 21087

Aliases: UNITED CONTAINER MACHINERY GROUP INC

Status: FIS

Site Name: LEO J. MCCOURT DUMP (MD-309)

Address: MORSE RD, OFF OF NORTH POINT
BALTIMORE, MD 21222

Aliases: NONE

Status: FIS

Site Name: MARYVALE PREPARATORY SCHOOL (MD-389)

Address: 11300 FALLS RD
BROOKLANDVILLE, MD 21022

Aliases: NONE

Status: FIS

Site Name: METALS & RESIDUES PROCESSING (MD-277)

Address: 10107 MARBLE CT
COCKEYSVILLE, MD 21030

Aliases: NONE

Status: FIS

Site Name: METALS AND RESIDUES PROCESSING (MD-276)

Address: 4400 MILFORD MILL RD
BALTIMORE, MD 21208
Aliases: NONE
Status: FIS

Site Name: NATIONAL CIRCUIT INC-TIMONIUM PROPERTY (MD-464)
Address: 108 TIMONIUM RD
BALTIMORE, MD 21204
Aliases: NONE
Status: FIS

Site Name: NATIONAL CIRCUITS INC-PIKESVILLE PROPERTY (MD-463)
Address: PARK CIRCLE
BALTIMORE, MD 21209
Aliases: NONE
Status: FIS

Site Name: REISTERS PROPERTY (MD-331)
Address: JUNCTION MD RTS 30 & 140
REISTERSTOWN, MD 21136
Aliases: NONE
Status: FIS

Site Name: RELAY MUD SLIDE (MD-166)
Address: WOODLAND DR & VIADUCT AVE
BALTIMORE, MD 21227
Aliases: NONE
Status: FIS

Site Name: SAFETY KLEEN CORP - CATONSVILLE (MD-349)
Address: 1012-1/2 LESLIE AVE
BALTIMORE, MD 21228
Aliases: NONE
Status: FIS

Site Name: SMUCK DUMP (MD-080)
Address: HOLLINS FERRY RD
LANDSDOWNE, MD 21227
Aliases: NONE
Status: FIS

Site Name: SPARROWS POINT (MD-479)
Address: PATAPSCO RIVER
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: SUN CHEMICAL CORP - GPI DIV (MD-288)
Address: 42 GWYNNS MILL CT
OWINGS MILLS, MD 21117
Aliases: NONE

Status: FIS

Site Name: THOMPSON STEEL COMPANY INC (MD-289)

Address: NORTH POINT BLVD
BALTIMORE, MD 21219

Aliases: NONE

Status: FIS

County ***BALTIMORE CITY***

Site Name: 4TH GAS HOUSE (MD-160)

Address: LANCASTER AND PATAPSCO STS
BALTIMORE, MD 21201

Aliases: NONE

Status: FIS

Site Name: AINSWORTH PAINT MFG SITE (MD-473)

Address: 3200 E BIDDLE ST
BALTIMORE, MD 21231

Aliases: NONE

Status: FIS

Site Name: AMERICAN NATIONAL CAN CO (MD-352)

Address: BOSTON & HUDSON STS
BALTIMORE, MD 21224

Aliases: NONE

Status: FIS

Site Name: AMERICAN SHOT & LEAD CO (MD-089)

Address: FAYETTE, PITT & FRONT STS
BALTIMORE, MD 21202

Aliases: NONE

Status: FIS

Site Name: AMOCO OIL CO (MD-105)

Address: 3901 ASIATIC AVE
BALTIMORE, MD 21226

Aliases: NONE

Status: FIS

Site Name: ARMCO BALTIMORE WKS (MD-106)

Address: 3501 E BIDDLE ST
BALTIMORE, MD 21213

Aliases: NONE

Status: FIS

Site Name: BALTIMORE IRON & METAL (MD-257)

Address: PIER 11 PATAPSCO RIVER E
BALTIMORE, MD 21224

Aliases: NONE

Status: FIS

Site Name: BALTIMORE STEEL DRUM CORP (MD-051)
Address: 910 KRESSON ST
BALTIMORE, MD 21224
Aliases: STEEL DRUM SITE
Status: FIS

Site Name: BIOCHEM (MD-292)
Address: 3901 ASIATIC AVE
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: BIOCHEM MANAGEMENT INC (MD-293)
Address: 1917 BENHILL AVE
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: BOARMAN, JW CO, INC (MD-283)
Address: 2821-23 FOSTER AVE
BALTIMORE, MD 21224
Aliases: NONE
Status: FIS

Site Name: BRUNING PAINT CO (MD-273)
Address: 601 S HAVEN ST
BALTIMORE, MD 21224
Aliases: NONE
Status: FIS

Site Name: CAPITAL ASSAY LABS SITE (MD-253)
Address: 2901 WHITTINGTON AVE
BALTIMORE, MD 21230
Aliases: NONE
Status: FIS

Site Name: CHEVRON USA - BALTIMORE REFINERY (MD-143)
Address: 1955 CHESAPEAKE AVE
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: CONOCO INC BALTIMORE TERM (MD-110)
Address: 3410 FAIRFIELD RD
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: CONTINENTAL CAN CO - USA PLANT #16 (MD-354)
Address: 3701 DUNCANWOOD LANE
BALTIMORE, MD 21213

Aliases: NONE
Status: FIS

Site Name: DYNASURF CHEMICAL CORP (MD-153)
Address: 1411 FLEET ST
BALTIMORE, MD 21231
Aliases: NONE
Status: FIS

Site Name: E FEDERAL ST SITE (MD-379)
Address: E OF 3520 E FEDERAL ST
BALTIMORE, MD 21213
Aliases: NONE
Status: FIS

Site Name: EXXON CO USA (MD-091)
Address: 3801 BOSTON ST
BALTIMORE, MD 21224
Aliases: NONE
Status: FIS

Site Name: FORT HOLABIRD CRIME RECORDS CENTER (MD-411)
Address: CORNER OF OAKLAND & DETROIT AVES
BALTIMORE, MD 21222
Aliases: NONE
Status: FIS

Site Name: G & M TERMINAL (MD-319)
Address: 1549 WARWICK AVE
BALTIMORE, MD 21216
Aliases: NONE
Status: FIS

Site Name: KEY HWY SHIPYARD (MD-340)
Address: 1101 KEY HWY
BALTIMORE, MD 21230
Aliases: NONE
Status: FIS

Site Name: KOPPERS CO BALTIMORE TREATING PLT LF (MD-021)
Address: FOOT OF CHILDS ST FAIRFIELD
BALTIMORE, MD 21226
Aliases: NONE
Status: FIS

Site Name: KOPPERS CO INC - METAL PRODUCTS DIV (MD-431)
Address: 200 SCOTT ST
BALTIMORE, MD 21230
Aliases: NONE
Status: FIS

Site Name: LOCOMOTIVE JUNKYARD (MD-258)

Address:
BALTIMORE, MD 21201

Aliases: NONE

Status: FIS

Site Name: MORGAN STATE UNIVERSITY SITE (MD-471)

Address:
COLD SPRING LN & HILLEN RD
BALTIMORE, MD 21239

Aliases: NONE

Status: FIS

Site Name: MRI CORP (MD-119)

Address:
414 CHESAPEAKE AVE
BALTIMORE, MD 21226

Aliases: NONE

Status: FIS

Site Name: M-V SANTA CLARA I (MD-444)

Address:
30 MILES E OF ATLANTIC CITY
BALTIMORE, MD

Aliases: NONE

Status: FIS

Site Name: NL IND INC - WHITE LEAD PLT (MD-098)

Address:
204 SPEARS WHARF
BALTIMORE, MD 21230

Aliases: NONE

Status: FIS

Site Name: NL INDUSTRIES INC - BALTIMORE METAL PLT (MD-096)

Address:
214 W HENRIETTA ST
BALTIMORE, MD 21230

Aliases: NONE

Status: FIS

Site Name: PLATING SITE (MD-249)

Address:
1009 W BALTIMORE ST
BALTIMORE, MD 21223

Aliases: UNION PLATING, UNION ART GOLD AND SILVER

Status: FIS

Site Name: PORT LIBERTY INDUSTRIAL PARK (MD-422)

Address:
1900 FRANKFURST AVE.
BALTIMORE, MD 21230

Aliases: NONE

Status: FIS

Site Name: ROBERT E. LEE PARK/LAKE ROLAND BRIDGE (MD-383)

Address:
RAILROAD MARKER 387
BALTIMORE, MD 21209

Aliases: NONE
Status: FIS

Site Name: SMITH, F. BOWIE & SON INC (MD-244)
Address: 4500 E LOMBARD ST
BALTIMORE, MD 21224

Aliases: NONE
Status: FIS

Site Name: SOUTHGATE INDUSTRIAL PARK (MD-378)
Address: 2147 WICOMICO ST
BALTIMORE, MD 21201

Aliases: NONE
Status: FIS

Site Name: STRIEGAL SUPPLY & EQUIPMENT CO (MD-312)
Address: 6001 CHEMICAL RD
BALTIMORE, MD 21226

Aliases: NONE
Status: FIS

Site Name: TANK BARGE #626 (MD-390)
Address: PIER ONE - CLINTON STREET
BALTIMORE, MD 21224

Aliases: NONE
Status: FIS

County **CAROLINE**

Site Name: DAVES RELOADING & GUN REPAIR (MD-423)
Address: FLEETWOOD RD
DENTON, MD 21629

Aliases: NONE
Status: FIS

Site Name: OLD WEST DENTON DUMP (MD-438)
Address: RIVER RD
DENTON, MD 21629

Aliases: NONE
Status: FIS

County **CARROLL**

Site Name: 3M NATIONAL ADVER - WESTMINSTER (MD-345)
Address: 1030 BALTIMORE BLVD
WESTMINSTER, MD 21157

Aliases: NONE
Status: FIS

Site Name: BACHMAN VALLEY LF - LOCATION II (MD-467)

Address: 1920 BACHMAN VALLEY RD
MANCHESTER, MD 21102
Aliases: NONE
Status: FIS

Site Name: CATALYST RESEARCH (MD-142)
Address: 1125 POOLE RD
WESTMINSTER, MD 21157
Aliases: NONE
Status: FIS

Site Name: KATE WAGNER LF (MD-322)
Address: RT 27 & RIDGE RD
WESTMINSTER, MD 21157
Aliases: NONE
Status: FIS

Site Name: LANGS JUNKYARD (MD-371)
Address: RT 30 BETWEEN 232 & 242
HAMPSTEAD, MD 21074
Aliases: NONE
Status: FIS

Site Name: NORTH CARROLL SHOPPING PLAZA (MD-320)
Address: RT 30 & BRODBECK RD
HAMPSTEAD, MD 21074
Aliases: NONE
Status: FIS

Site Name: POWRMATIC INC (MD-167)
Address: INDUSTRIAL PARK DR
FINKSBURG, MD 21048
Aliases: NONE
Status: FIS

Site Name: SMALL LAB SITE (MD-392)
Address: 7606 PATAPSCO RD
SYKESVILLE, MD 21784
Aliases: NONE
Status: FIS

Site Name: WESTMINSTER PLANT (MD-146)
Address: GEORGE ST
WESTMINSTER, MD 21157
Aliases: NONE
Status: FIS

Site Name: WOLF HILL (MD-307)
Address: OFF OF RT 30
HAMPSTEAD, MD 21074
Aliases: NONE

Status: FIS

County ***CECIL***

Site Name: BIG ELK CHAPEL ROAD LF (MD-385)
Address: OFF BIG ELK CHAPEL RD
PROVIDENCE, MD 21921
Aliases: NONE
Status: FIS

Site Name: CECIL COUNTY LF (MD-027)
Address: OLD ELK NECK RD
ELKTON, MD 21901
Aliases: ELK NECK LF
Status: FIS

Site Name: CENTRAL CHEMICAL CO (MD-325)
Address: TRINCO INDUSTRIAL PARK
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: CROUSE BROS EXCAVATING INC (MD-314)
Address: PULASKI HWY & RT 279
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: FIRESTONE PERRYVILLE PLANT (MD-439)
Address: FIRESTONE RD & RT #7
PERRYVILLE, MD 21903
Aliases: NONE
Status: FIS

Site Name: HOG HILL LF (MD-440)
Address: RT 7
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: IRON HILL ROAD DRUM SITE (MD-254)
Address: 117 IRON HILL RD
ELKTON, MD 21921
Aliases: PYRONICS INC
Status: FIS

Site Name: LOUISA LANE DUMPSITE (MD-259)
Address: LOUISA LANE EXT
CHARLESTOWN, MD 21914
Aliases: NONE
Status: FIS

Site Name: MALMO FARMS (MD-189)
Address: 1435 CAYOTS CORNER RD
CHESAPEAKE CITY, MD 21915
Aliases: NONE
Status: FIS

Site Name: NAVAL TRAINING CENTER BAINBRIDGE (MD-430)
Address: US HWY 222
BAINBRIDGE, MD 21904
Aliases: NONE
Status: FIS

Site Name: OLD ELKTON DUMP (MD-074)
Address: JONES CHAPEL RD
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: PRINCIPIO RD (MD-455)
Address: 551 PRINCIPIO RD
CRAIGTOWN, MD 21904
Aliases: NONE
Status: FIS

Site Name: REEVES SITE (MD-369)
Address: 400 MARLEY RD
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: RMR (MD-472)
Address: 695 N BRIDGE ST
ELKTON, MD 21921
Aliases: NONE
Status: FIS

Site Name: STAUFFER CHEM CO (MD-099)
Address: BLUEBELL RD TRINCO IND COM
ELKTON, MD 21921
Aliases: GE RAILCAR, P&R SERV CORP
Status: FIS

Site Name: STEMMERS RUN (MD-451)
Address: STEMMERS RUN RD
EARLESVILLE, MD 21911
Aliases: NONE
Status: FIS

Site Name: USCG BACK CREEK REAR RANGE STRUCTURE (MD-156)
Address: 25 FT SQUARE POSITION
CHESAPEAKE CITY, MD 21915

Aliases: NONE
Status: FIS

County CHARLES

Site Name: DEAD TREES IN A POND SITE (MD-394)
Address: 0.6 MILES PAST CORNER OF GLYM
PISGAH, MD 20640
Aliases: MATTAWOMAN CREEK SITE
Status: FIS

Site Name: HUGHESVILLE TIRE SITE (MD-317)
Address: GALLANT GREEN RD
HUGHESVILLE, MD 20601
Aliases: NONE
Status: FIS

Site Name: US NAVAL RESEARCH LAB - LAUNCH (MD-215)
Address: BERRY RD
WALDORF, MD 20601
Aliases: NRL WALDORF
Status: FIS

County DORCHESTER

Site Name: CAMBRIDGE CY DISP PLT WWTP (MD-026)
Address: 1010 ROSELYN AVE
CAMBRIDGE, MD 21613
Aliases: NONE
Status: FIS

Site Name: CAMBRIDGE SITE (MD-025)
Address: 311 TRENTON
CAMBRIDGE, MD 21613
Aliases: KERR MCGEE
Status: FIS

Site Name: CAMBRIDGE TOWN GAS (MD-165)
Address: 403 CHERRY ST
CAMBRIDGE, MD 21613
Aliases: NONE
Status: FIS

Site Name: CONTINENTAL CAN CO - USA PLANT 24 (MD-342)
Address: RAILROAD AVE
HURLOCK, MD 21643
Aliases: NONE
Status: FIS

Site Name: EASTERN MD WOOD TREATING CO (MD-242)

Address: CLARKS CANNING HOUSE RD
FEDERALSBURG, MD 21632
Aliases: NONE
Status: FIS

Site Name: WESTERN PUBLISHING CO (MD-290)
Address: WOODS RD
CAMBRIDGE, MD 21613
Aliases: NONE
Status: FIS

County ***FREDERICK***

Site Name: ABRAMSON PROPERTY (MD-384)
Address: 9925 PINE TREE RD
WOODSBORO, MD 21798
Aliases: NONE
Status: FIS

Site Name: FREDERICK TOOL AND DIE CO INC (MD-356)
Address: 579 E CHURCH ST
FREDERICK, MD 21701
Aliases: NONE
Status: FIS

Site Name: TRANS TECH - ADAMSTOWN SITE (MD-250)
Address: ADAMSTOWN RD
ADAMSTOWN, MD 21710
Aliases: ADAMSTOWN GROUNDWATER SITE
Status: FIS

County ***GARRETT***

Site Name: BAUSCH & LOMB INC - OAKLAND PLANT (MD-347)
Address: RT 135
OAKLAND, MD 21550
Aliases: NONE
Status: FIS

Site Name: HARBISON WALKER REFRACTORIES - NEW SAVAGE (MD-351)
Address: RT 495
GRANTSVILLE, MD 21536
Aliases: NONE
Status: FIS

Site Name: UMBELL PROPERTY (MD-441)
Address: RT 1 BOX 81
FRIENDSVILLE, MD 21531
Aliases: NONE
Status: FIS

Site Name: WOOD PRODUCTS (MD-239)
Address: 8TH ST EXT
OAKLAND, MD 21550
Aliases: NONE
Status: FIS

County ***HARFORD***

Site Name: BATA SHOE - LATEX LAGOON (MD-296)
Address: BELCAMP RD
BELCAMP, MD 21017
Aliases: NONE
Status: FIS

Site Name: BATA SHOE - MAIN PLANT (MD-077)
Address: US RT 40
BELCAMP, MD 21017
Aliases: NONE
Status: FIS

Site Name: MOORE PROPERTY LF (MD-461)
Address: BUSH RD
ABINGTON, MD 21009
Aliases: NONE
Status: FIS

Site Name: MOUNTAIN RD EMERGENCY RESPONSE (MD-403)
Address: MOUNTAIN RD & I-95
JOPPA-MAGNOLIA, MD 21040
Aliases: NONE
Status: FIS

County ***HOWARD***

Site Name: CHESAPEAKE FINISHED METALS INC (MD-274)
Address: 6754 SANTA BARBARA CT
ELKRIDGE, MD 21075
Aliases: NONE
Status: FIS

Site Name: HOWARD COUNTY LF (MD-034)
Address: 4361 NEWCUT RD
ELLICOTT CITY, MD 21043
Aliases: NEW CUT LF
Status: FIS

Site Name: JOHNS HOPKINS APPLIED PHYSICS LAB (MD-308)
Address: JOHNS HOPKINS RD
LAUREL, MD 20707
Aliases: NONE

Status: FIS

Site Name: OLGA NELSON ENTERPRISES (MD-272)

Address: 7269 WASHINGTON BLVD
BALTIMORE, MD 21227

Aliases: NONE

Status: FIS

Site Name: SCOVITCH PROPERTY (MD-262)

Address: 9530 N WASHINGTON BLVD
LAUREL, MD 20707

Aliases: NONE

Status: FIS

Site Name: TATE ACCESS FLOORS INC (MD-373)

Address: 7510 MONTEVIDEO RD
JESSUP, MD 20794

Aliases: NONE

Status: FIS

Site Name: WESTVACO CORPORATION (MD-326)

Address: 11101 JOHNS HOPKINS RD
LAUREL, MD 20810

Aliases: NONE

Status: FIS

County ***KENT***

Site Name: DUTCH FAMILY DELI OIL SPILL (MD-469)

Address: RTS 301 & 291
MILLINGTON, MD 21651

Aliases: NONE

Status: FIS

County ***MONTGOMERY***

Site Name: MARYLAND WOOD PRESERVING CORP (MD-144)

Address: 235 DERWOOD CIR
ROCKVILLE, MD 20850

Aliases: NONE

Status: FIS

Site Name: MICRODYNE CORP (MD-361)

Address: 627 LOFERRAND LN
ROCKVILLE, MD 20850

Aliases: NONE

Status: FIS

Site Name: NORTH POTOMAC PCP (MD-477)

Address: 13801 TURKEY FOOT ROAD

Aliases: NORTH POTOMAC, MD 20878
Status: NONE
Status: FIS

Site Name: PROTO CIRCUITS (MD-399)
Address: 14674 D SOUTHLAWN LN
ROCKVILLE, MD 20850
Aliases: NONE
Status: FIS

Site Name: SILVER SPRINGS CUSTOM FURNITURE (MD-426)
Address: 8943 BROOKVILLE RD
SILVER SPRING, MD 20910
Aliases: NONE
Status: FIS

Site Name: VECTROL INC (MD-360)
Address: 1010 WESTMORE AVE
ROCKVILLE, MD 20850
Aliases: NONE
Status: FIS

Site Name: WATKINS JOHNSON CO (MD-401)
Address: 700 QUINCE ORCHARD RD
GATHERSBERG, MD 20760
Aliases: NONE
Status: FIS

County ***PRINCE GEORGES***

Site Name: BEAVERDAM CREEK PCB (MD-476)
Address: .5 OFF KENILWORTH AVE
BEAVER HEIGHTS, MD 20743
Aliases: NONE
Status: FIS

Site Name: BOWIE-BELAIR LF (MD-090)
Address: RTS 3 & 450
BOWIE, MD 20715
Aliases: BROWNING FERRIS INDUSTRIES - BELAIR SANITARY LF
Status: FIS

Site Name: CAPITOL WIRE & FENCE (MD-108)
Address: 3334 KENILWORTH AVE
HYATTSVILLE, MD 20781
Aliases: NONE
Status: FIS

Site Name: CHELTENHAM BATTERY (MD-266)
Address: 10800 FRANK TIPPETT RD
CHELTENHAM, MD 20623

Aliases: NONE
Status: FIS

Site Name: CITY OF GREENBELT (MD-424)
Address: 555 CRESCENT RD
GREENBELT, MD 20770

Aliases: NONE
Status: FIS

Site Name: CLARK, J L MFG CO STONE INDUST (MD-291)
Address: 51ST AVE AND CREE LN
COLLEGE PARK, MD 20740

Aliases: NONE
Status: FIS

Site Name: COLUMBIA PARK DRUM SITE (MD-251)
Address: GEORGE PALMER HWY & COLUMB
COLUMBIA PARK, MD 20785

Aliases: NONE
Status: FIS

Site Name: CROOM MILITARY HOUSING (MD-468)
Address: 15512 MOUNT CALVERT RD
UPPER MARLBORO, MD 20772

Aliases: NONE
Status: FIS

Site Name: EVANS TRAIL DUMP SITE (MD-170)
Address: EVANS TRAIL
CALVERTON, MD 20705

Aliases: NONE
Status: FIS

Site Name: HYATTSVILLE GAS & ELECTRIC (MD-200)
Address: 5022 RHODE ISLAND AVE
EDMONSTON, MD 20781

Aliases: NONE
Status: FIS

Site Name: LONDON HILLS DEVELOPMENT (MD-311)
Address: END OF HIGHVIEW PL
CAPITOL HEIGHTS, MD 20743

Aliases: NONE
Status: FIS

Site Name: PISCATAWAY WWTP (MD-127)
Address: RT 1 FARMINGTON RD BOX 327
ACCOKEEK, MD 20607

Aliases: NONE
Status: FIS

Site Name: ROGERS ELECTRIC (MD-445)
Address: 5720 COLUMBIA PARK
CHEVERLY, MD 20785
Aliases: NONE
Status: FIS

Site Name: WINDSOR MANOR RD (MD-393)
Address: UPPER MARLBORO TWSP
BRANDYWINE, MD 20613
Aliases: NONE
Status: FIS

County ***SOMERSET***

Site Name: SHERWIN WILLIAMS RUBBERSET DIV (MD-287)
Address: RT 413
CRISFIELD, MD 21817
Aliases: NONE
Status: FIS

County ***ST MARYS***

Site Name: CALIFORNIA DRUM SITE (MD-185)
Address: ST ANDREWS CHURCH RD
CALIFORNIA, MD 20619
Aliases: NONE
Status: FIS

Site Name: SOUTHERN MARYLAND WOOD TREATING (MD-135)
Address: STATE RT 235
HOLLYWOOD, MD 20686
Aliases: NONE
Status: FIS

Site Name: ST MARYS SALVAGE (MD-375)
Address: ST MARYS INDUSTRIAL PARK
ST MARYS, MD 20686
Aliases: NONE
Status: FIS

County ***TALBOT***

Site Name: EASTON GAS & LIGHT CO (MD-199)
Address: 1 S WEST ST
EASTON, MD 21601
Aliases: NONE
Status: FIS

Site Name: EASTON UTILITIES COMM MUNI ELE (MD-281)
Address: 219 N WASHINGTON S

Aliases: EASTON, MD 21601
Status: NONE
FIS

Site Name: EASTON UTILITIES COMM POWER PL (MD-282)
Address: AIRPORT INDUSTRIAL PARK
EASTON, MD 21601
Aliases: NONE
Status: FIS

Site Name: NOBLE MOTOR REBUILDERS (MD-125)
Address: N AURORA ST
EASTON, MD 21601
Aliases: NONE
Status: FIS

County **WASHINGTON**

Site Name: CENTRAL CHEMICAL (MD-442)
Address: 40 N JOHNATHAN ST
HAGERSTOWN, MD 21740
Aliases: NONE
Status: FIS

Site Name: CERTAIN TEED METALS (MD-396)
Address: WASHINGTON COUNTY INDUSTRIAL
WILLIAMSPORT, MD 21795
Aliases: NONE
Status: FIS

Site Name: CHEVRON CHEMICAL CO - WILLIAMSPORT (MD-094)
Address: S ON RT 11
WILLIAMSPORT, MD 21795
Aliases: NONE
Status: FIS

Site Name: CHEWSVILLE CO-OP (MD-298)
Address: MAIN ST
CHEWSVILLE, MD 21721
Aliases: NONE
Status: FIS

Site Name: DANZER METAL WORKS CO (MD-397)
Address: 2000 YORK RD
HAGERSTOWN, MD 21740
Aliases: NONE
Status: FIS

Site Name: FRANKLIN SPICKLER PROPERTY SITE (MD-475)
Address: RT 63 (GREENCASTLE PK) & MT
MAUGANVILLE, MD 21740

Aliases: NONE
Status: FIS

Site Name: RUST-OLEUM CORP (MD-348)
Address: INTERSTATE INDUSTRIAL PARK
WILLIAMSPORT, MD 21795

Aliases: NONE
Status: FIS

Site Name: SUN CHEMICAL CORP - GPI DIV (MD-400)
Address: INDUSTRIAL LN
WILLIAMSPORT, MD 21795

Aliases: NONE
Status: FIS

Site Name: WEST MANUFACTURING CO (MD-418)
Address: 910 ELDRIDGE DR
HAGERSTOWN, MD 21740

Aliases: NONE
Status: FIS

County **WICOMICO**

Site Name: ADAMS CO & SON INC (MD-321)
Address: NORTHWOOD DR & ARLINGTON RD
SALISBURY, MD 21801

Aliases: NONE
Status: FIS

Site Name: BLACKWATER SOLID WASTE TRANSFER STATION (MD-300)
Address: WALLER RD
SALISBURY, MD 21801

Aliases: NONE
Status: FIS

Site Name: CHEVRON CHEM CO - SALISBURY (MD-093)
Address: 125 BATEMAN RD
SALISBURY, MD 21801

Aliases: NONE
Status: FIS

Site Name: GRIGCO WASTE OIL RECYCLING INC (MD-047)
Address: SHARPTOWN, MD 21861

Aliases: GRIGCO
Status: FIS

Site Name: RIVER HARBOR DEVELOPMENT (MD-377)
Address: RIVER HARBOR DRIVE EXTENDED
SALISBURY, MD 21801

Aliases: NONE

Status: FIS

Site Name: SALISBURY MARKETING INC (MD-327)

Address: N SALISBURY BLVD & BRIDGEWA
SALISBURY, MD 21801

Aliases: NONE

Status: FIS

County **WORCESTER**

Site Name: BISHOP PROCESSING CO (MD-083)

Address: BOX G
BISHOP, MD 21813

Aliases: NONE

Status: FIS

Site Name: WEST OCEAN CITY LF (MD-376)

Address: LEWIS RD
OCEAN CITY, MD 21811

Aliases: NONE

Status: FIS