

MARYLAND DEPARTMENT OF
THE ENVIRONMENT



ANNUAL ENFORCEMENT AND
COMPLIANCE REPORT
FISCAL YEAR 2000

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EXECUTIVE SUMMARY

This is the Maryland Department of the Environment's fourth annual Enforcement and Compliance Report. Enforcement is one of MDE's core functions and in FY 2000 more than \$8 million was spent on salaries and support for 158 enforcement personnel. This Report covers the Department's activities in State Fiscal Year 2000 (July 1999-June 2000). It includes information on 26 of the Department's enforcement and compliance programs in the Air, Waste, and Water Administrations, as well as the Environmental Crimes Unit of the Attorney General's Office.

During this past fiscal year, the Department continued to implement and improve its comprehensive performance measurement system, including the environmental indicators of the Performance Partnership Agreement with the United States Environmental Protection Agency, the Departmental performance measures under the Governor's Managing Maryland for Results initiative, and its system of enforcement output measurement in this Report.

The Department is committed to being accountable for its work and to helping the public understand what it does and why. Beyond being a simple report however, this document is part of the ongoing commitment to continuous process improvement. By developing a clear picture of accomplishments and difficulties this year, the Department can begin to develop a benchmark against which to measure activities in future years. This year's effort builds on the progress made last year towards making the numbers meaningful in the context of the Department's mission to protect the environment for the people of Maryland, while at the same time preserving the State's economic base.

Departmental Enforcement Coordination

Throughout FY 00 the Enforcement and Compliance Workgroup continued improving Department-wide communication of enforcement information. In particular, together with the Enforcement and Compliance Coordinator, the Workgroup worked to improve the manner in which compliance rates are calculated and inspections tracked. The Department has begun to define a “compliance continuum” which helps identify when a particular enforcement tool is appropriate for a given facility and violation. In order to accomplish this task, the criteria from which the Department can assess the “compliance status” of any given facility is being articulated. In other words, MDE appreciates that some facilities do an exceptional job in meeting or exceeding the minimum legal requirements. These good performers should receive some recognition when they voluntarily choose to go beyond the minimum legal requirements to achieve measurable environmental benefits. The Department also understands that many facilities still simply seek to satisfy the requirements of the law. These facilities should be given assistance in achieving compliance when appropriate and sanctioned when their performance falls below legally acceptable standards. Unfortunately, there are still some facilities which repeatedly violate environmental standards and which fail to bring their performance up to the level which the law requires. These facilities deserve to be the subject of rigorous enforcement actions. It is the overall goal of MDE’s coordinated enforcement and compliance effort to continually push the regulated community up the scale towards full compliance and beyond to active pollution prevention. The Department wants to see less repeat offenders and more star performers. Thus, the strategy is to reward exemplary “beyond compliance” initiatives (such as implementing environmental management systems) with some degree of regulatory tolerance and assistance when possible, and punish non-compliance with penalties.

While the MDE-wide database is still under development, the Enforcement and Compliance Workgroup is preparing a Department-wide set of compliance and enforcement data definitions (in conjunction with the Managing Maryland for Results initiative). The goal of this effort is to be able to create with a single query an enforcement record, combining the Air, Waste, and Water violations, for any given facility, in a comprehensive report of that facility’s enforcement history. Part of the Enforcement Workgroup’s participation in the process of building this component of the Department-wide database involves suggesting types of data that should be tracked to improve the accuracy and statistical validity of compliance activity targeting. The database will become the infrastructure through which enforcement activity and compliance data can be utilized with increased levels of sophistication. Using the database to generate lists of similar facilities, the Department will conduct random inspections to determine the overall compliance rate of a given industry group or regulated sector. At the same time the data will provide sufficient targeting information to direct enforcement resources at those facilities which will have the greatest environmental and deterrent impact.

In addition to working on this Report, defining the compliance continuum and the underlying categorical data definitions supporting the database, the Workgroup also held its fourth Inspector Forum in which inspection personnel received training in various aspects of integrated environmental enforcement strategies and communicating with the public. In an effort to improve the flow of communication of ideas from the field inspectors back up to senior management, this year's Forum introduced the new concept of the College of Inspectors. The College is a dynamic process of brainstorming issue selection followed by multi-voting to highlight those issues which a majority of inspectors feel upper management needs to address in order to help the agency satisfy its mission. The Department remains committed to improving the manner in which enforcement data is collected and reported to the public.

The Enforcement and Compliance Process

It is important to understand MDE's air, water, and waste enforcement and compliance processes. Each of the programs was established separately, with the same terms being used in legislation to mean different things for different programs. Many programs also have federal rules and regulations that they must implement. In addition, the same company or type of facility may fall under the jurisdiction of several different environmental enforcement programs at the federal, State, or local level.

However, most enforcement programs share certain common functions. Most programs have an inspection and evaluation component. If an inspection reveals a violation, many programs have a discretionary component that allows a company to fix a minor problem without the risk of a fine, civil or criminal action. If an inspection reveals a significant violation, or if a minor problem indicates a pattern of non-compliance, more serious action is warranted. This action may take the form of fines, shutdowns, and in some cases, criminal sanctions. The use of a particular penalty is intended to reflect the severity of a violation.

Environment Article Section 1-301(d)

Environment Article Section 1-301(d) enacted in 1997 requires MDE to report specified information on 15 programs as well as the penalty dollars collected and deposited into several funds. In addition to the required information, this Report also includes information on 11 additional programs and additional data about the Department's enforcement activity at facilities that are subject to regulation under the Environment Article. The Department has voluntarily elected to provide this information so that the General Assembly, stakeholders, and the public get the most complete picture of how the Department performs its enforcement responsibilities.

Performance Measures

The reader of this year's Report will notice that the format in which the numbers are presented is the same as last two years' Reports. This allows for an easy comparison of numbers between the years in keeping with the goal to extract common data for all of MDE's enforcement programs and provide information that could be tracked from one year to the next. The basic reporting format is further explained on page 34. In

order to assist the reader, graphic charts that compare the number of inspections, enforcement actions, and compliance rates over a three-year period dating back to 1998 are included. This will provide a solid statistical baseline against which stakeholders and others can measure the Department's enforcement performance entering the Twenty-first Century.

Summary and Conclusion

Enforcement is a very important and necessary tool for bringing industry into compliance with environmental regulation, but enforcement actions are not goals in and of themselves. MDE is a regulatory agency with an enforcement component. Inspections and enforcement actions are tools that the Department uses to achieve its goal which is to ensure improvements in environmental quality and to protect public health and the environment.

Following are Executive Summaries for the Department and each Administration.

Maryland Department of the Environment Performance Measures Executive Summary

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	9,710
Number of Permits/Licenses in Effect at Fiscal Year End	57,253
<u>OTHER REGULATED SITES/FACILITIES</u>	
(other sites)	100,244
<u>INSPECTIONS</u>	
Number of Sites Inspected	28,626
Number of Inspections, Audits, Spot Checks	90,488
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	15,831
Number of Enforcement Actions Taken	977
<u>PENALTIES*</u>	
Amount of Penalties Obtained	\$2,093,526

*Amount of revenue obtained ("collected") in FY 00 as a result of all enforcement actions regardless of specifically designated fund.

Section 1-301(d) Penalty Summary

TOTAL AMOUNT OF MONEY AS A RESULT OF ENFORCEMENT ACTIONS, AS OF THE END OF FY 2000, AS REQUIRED BY SECTION 1-301(d)*	Total
Clean Air Fund (includes Air Quality and Asbestos)	\$449,614
Clean Water Fund	
Water Management Administration Enforcement Actions	\$1,213,036
Waste Management Administration Enforcement Actions (Refuse Disposal)	\$38,056
Hazardous Substance Control Fund	\$86,722
Non-tidal Wetland Compensation Fund	\$3,000
Oil Disaster Containment Clean Up and Contingency Fund	\$98,665
Recovered from Responsible Parties (under §7-221)	\$13,458
Sewage Sludge Utilization Fund	\$0
Total	\$1,902,551

*Only includes only those funds required to be reported by the Environment Article, Section 1-301(d).

AIR AND RADIATION MANAGEMENT ADMINISTRATION EXECUTIVE SUMMARY

The Air and Radiation Management Administration (ARMA) conducts enforcement and compliance activities in three programmatic areas, these being air quality, asbestos, and radiation. In the air quality program, the compliance rate in the High Impact category increased from 96% in Fiscal Year 1999 to 98% in Fiscal Year 2000. This higher rate of compliance was reflected in fewer enforcement actions being taken. In the air quality Low Impact category, while the number of inspections for FY 2000 is lower than in FY 1999, the number of facilities inspected actually increased. This is due to a change in approach regarding Stage II vapor recovery inspections. A concerted effort was made to inspect more Stage II facilities (resulting in a higher number of sites inspected) while reducing the number of repeat inspections at the same facilities. Repeat inspections previously conducted in conjunction with other regulatory programs are no longer included in the inspection total. This realignment of Stage II inspectional efforts will capture a wider number of facilities under Maryland's Stage II program.

In the Asbestos Program, the compliance rate increased from 77% in FY 1999 to 98% in FY 2000, which is comparable to the FY 1998 compliance rate of 92%. This improvement can be attributed to closer monitoring of the regulated community and the filling of key supervisory and support positions in the program. The number of inspections, audits, and spot checks is lower this year due to a decrease in the number of project notifications. The percentage of notifications that resulted in inspections increased by about 4% from FY 1999 to FY 2000.

In the Radiological Health Program (RHP), the Radioactive Materials Division increased productivity in several areas over FY 1999 levels: (1) licenses and amendments issued up by 21%; (2) sites inspected up by 23% despite the absence of one inspector for greater than four months and the fact that a substantial amount of staff time was devoted to compliance issues associated with a single large licensee; (3) an increase of significant violations by nearly 51% and; (4) a larger number of penalties were assessed in FY 2000, but less monies were received due to unpaid penalties (bankruptcy and referrals to Central Collection Unit) and the fact that penalties were generally lower amounts due to the nature of the violations. Finally, two Section Head positions in Radioactive Materials were filled (Inspections and Licensing) which led to greater continuity and efficiency within the Division.

During FY 2000, RHP's Radiation Machines Division (RMD) finally achieved (though only briefly) a full complement of authorized, experienced staff. New procedures were put into place that resulted in the reduction of a backlog of unprocessed certifications from over two years to one month. In addition, the time for processing new facility registrations was reduced from up to six months to 30 days. The productivity of staff x-ray inspectors increased dramatically, beginning in the fourth quarter of FY 1999. The average number of inspections per field health physicist per month increased from

5.2 in the third quarter of FY 1999 to 15.0 inspections per inspector per month in FY 2000. Increased attention to resolving outstanding violations resulted in a carry-over into FY 2001 of 277 as opposed to the 1,132 outstanding violations carried over from FY 1999. More formal x-ray enforcement actions were taken in FY 2000 and as a result, the amount of penalties collected quadrupled. (The hiring of four experienced health physicists in March 1999 and the filling of key management positions are the primary reasons for this turnaround.)

The low significant compliance rate cited for all inspected facilities is heavily influenced by the extremely low compliance rate during initial inspections at dental facilities, which was only 15%. This rate for dental facilities increased to 87.5% after identifying areas of noncompliance and allowing for corrections to take place (usually within 45 days with no formal enforcement action). ARMA is considering measures that can be used to improve the initial compliance rate.

Air and Radiation Management Administration Performance Measures Executive Summary

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	2,003
Number of Permits/Licenses in Effect at Fiscal Year End	25,787
<u>OTHER REGULATED SITES/FACILITIES</u>	
(other sites)	3,170
<u>INSPECTIONS</u>	
Number of Sites Inspected	4,772
Number of Inspections, Audits, Spot Checks	10,304
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	2,173
Number of Enforcement Actions Taken	108
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$518,225

WASTE MANAGEMENT ADMINISTRATION EXECUTIVE SUMMARY

The Waste Management Administration (WAS) continues to improve data collection methods and use the data gathered for this Enforcement and Compliance Report. The information from this Report is used to track trends related to Managing Maryland For Results (MFR) so that WAS can ensure that resources are being targeted effectively.

The statistics for WAS show some consistencies and individual program changes in FY 2000 as compared to FY 1999. Total numbers of inspected sites, inspections, and compliance assistance actions rendered remained much the same compared to last year. Numbers of significant violations carried over from the previous fiscal year decreased by approximately 33%, continuing the downward trend over the past few years. Some individual program differences are noteworthy.

Differences in Oil Control Program numbers reflect a change in emphasis from underground storage tanks, which were the focus in previous years due to the 1998 federal deadline for upgrade and replacement, to MTBE and case closure activities. More emphasis is also currently being placed on remediation of leaking underground storage tanks and homeowner heating oil spills, but these changes may not be reflected in the numbers until future years. Numbers of above ground storage sites inspected and inspections, audits, and spot checks both increased from FY 1999 (116% and 64%, respectively). The number of registered underground storage tank sites decreased from the previous year by 45% as a result of the continued closure of tanks. Numbers of inspections, audits, and spot checks of oil pollution remediation sites and underground storage tanks showed a decrease from FY 1999 due to a number of factors, including inspector time spent investigating and overseeing several high profile sites, such as the contamination of drinking water in Libertytown (Frederick County) and the oil spill at Chalk Point (Prince George's County).

Governor Glendening's January 2000 Lead Initiative will be providing additional funding and staff for the Lead Program, strengthening inspection and enforcement activities related to lead paint violations in coordination with the Baltimore City Health Department and the Department of Housing and Community Development. In addition, more emphasis will be placed on increasing rental unit registrations and oversight of accredited lead paint abatement contractors, supervisors, and inspectors. The number of significant violations involving environmental or health impact increased from 35 in FY 1999 to 94 in FY 2000 due to the addition of an enforcement component involving notices of elevated blood lead and increased spot checks and complaint investigations. The number of registered rental properties continues to rise. Enforcement actions increased by 57% compared to the previous fiscal year, reflecting the program's emphasis on getting the regulated community to come into compliance.

Under a February 1999 settlement with MDE for hazardous waste management violations and resultant contamination at the US Army Fort Meade, and as an

alternative to traditional enforcement action, the Army completed an extensive restoration project (Supplemental Environmental Project) that will benefit wildlife habitat and aid in pollution reduction. In lieu of a penalty, the Army spent over \$130,000 in repairs and improvements to Burba Lake, which included establishment of riparian vegetative buffers and bank stabilization along a 700 foot section of stream, construction of a ½ acre shallow pond/wet meadow, the removal of a concrete aqueduct, and other components to control run-off.

As program priorities change, WAS will continue to track enforcement trends and adjust staff and resources in order to meet these needs and accomplish our MFR goals.

Waste Management Administration Performance Measures Executive Summary

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	2,355
Number of Permits/Licenses in Effect at Fiscal Year End	7,949
<u>OTHER REGULATED SITES/FACILITIES</u>	
(other sites)	95,742
<u>INSPECTIONS</u>	
Number of Sites Inspected	13,938
Number of Inspections, Audits, Spot Checks	24,804
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	10,531
Number of Enforcement Actions Taken	553
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$259,075

WATER MANAGEMENT ADMINISTRATION EXECUTIVE SUMMARY

The Water Management Administration activities during the past year have remained relatively stable compared to the previous year's activities. Noticeable improvements across the Administration are that the Number of Inspections has increased, the Compliance Rates have remained high, the Number of Enforcement Actions taken has dropped slightly while the amount of Administrative or Civil Penalties obtained has made a large increase.

Activities during FY 2000 have resulted in a total of \$1,316,226 collected through the issuance of administrative and civil penalties. The most substantial increase was in the Surface Water Discharge Permit media, which is indicative of the increased enforcement efforts within the Compliance Program's Enforcement Division beginning in FY 99 and the completion of significant civil actions against UPRC/Westvaco and Baltimore City totaling \$950,000. The total amount collected in FY 2000 far exceeds the \$385,456 obtained in FY 1999.

The most significant changes occurred in the Waterway Construction – Dam Safety activities. Inspections, Number of Sites Inspected, and Compliance Assistance all increased as a result of Hurricane Floyd. Also, as a result of the hurricane, the Number of Significant Violations increased causing a decline in the Compliance Rate, and the number of Enforcement Actions increased.

The Water Supply Program continued its efforts to provide technical assistance and source water protection. This resulted in improved treatment with a resultant improvement in compliance with drinking water standards. The Administration continues to support public water system initiatives required by the Safe Drinking Water Act 1996 Amendments.

Success for the Compliance Program during the past year came in the form of new Pentium laptop computers for the field inspectors and a new Windows-based computerized inspection report to use on the laptops. The new inspection report allows inspectors to use the automated system for storage and retrieval of inspection data for all of the Compliance Program's inspection activities. However, coincidental with that success, a number of challenges have developed. Foremost has been a mechanism to transfer data from the laptops to the central database. Until more efficient solutions are found, each inspector now loses a minimum of two field days per month in order to transfer data. The Compliance Program is hopeful that a short-term remedy will be found to alleviate the problem and that a long-term solution will be developed.

For the Compliance Program, after the relatively stable numbers in most programs during FY 1999, this year's numbers show a clear increase in Penalty Amounts Obtained and Enforcement Actions, and a notable decrease in the Number of

Inspections, the Number of Sites Inspected, and the Number of Compliance Assistance Rendered. The decrease in numbers can be attributed to staff turnover with its associated need to train new inspectors, and the Program's need to implement the previously mentioned new computerized inspection report system. Additionally, although two inspector positions were not vacant, the staff members were out with extended illnesses. Regarding the new inspection report, the use of the new inspection report began at the start of the fiscal year and demanded user training to become familiar with the system.

Presently, the Compliance Program is prioritized to respond to complaints, to abide by its grant commitments with EPA, and to remain focused on sediment control. With the recent attention given to combined sewer overflows (CSO) and their associated health threats, an increase in response to and investigation of these overflows can be expected.

Water Management Administration Performance Measures Executive Summary

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	5,293
Number of Permits/Licenses in Effect at Fiscal Year End	24,108
<u>OTHER REGULATED SITES/FACILITIES</u>	
(other sites)	1,332
<u>INSPECTIONS</u>	
Number of Sites Inspected	9,916
Number of Inspections, Audits, Spot Checks	55,600
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	2,732
Number of Enforcement Actions Taken	316
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$1,316,226

ENVIRONMENTAL CRIMES UNIT EXECUTIVE SUMMARY

The Environmental Crimes Unit (ECU) is a part of the Criminal Investigation Division of the Maryland Attorney General's Office. The unit is responsible for the investigation and prosecution of Maryland's criminal environmental statutes. During FY 2000, MDE strengthened its commitment to the Unit by funding another Assistant Attorney General increasing the number of prosecutors from two to three by the end of the fiscal year. The Unit's investigators are a combination of troopers from the Maryland State Police and one civilian. The number of troopers assigned to the Unit has varied from as high as five to as few as two. During much of FY 2000, the Unit operated with only two troopers compared to prior years where three or more were assigned.

Typically, criminal prosecution is resorted to as a last resort for the worst, most wanton and most recalcitrant of environmental offenders. During FY 2000 the ECU opened 41 criminal investigations and filed charges in 23 of those investigations. Of the 41 investigations, 16 were the result of referrals from MDE administrations. In FY 1999 the Unit opened 45 investigations as a result of referrals from MDE administrations. Thirty-one prosecutions reached conclusion during the fiscal year, with criminal courts imposing jail terms totaling 115 months and fines exceeding \$263,000, in addition to probation, community work service, and other penalties.

It is difficult to analyze year to year criminal prosecution figures. Personnel allocated to the Unit, both investigators and prosecutors, are a factor in both the type and number of investigations pursued. Additionally, like any effective enforcement strategy, prior concentration in specific areas may have a positive deterrent effect and reduce the number of similar cases warranting prosecution in subsequent years.

THE ENFORCEMENT AND COMPLIANCE WORKGROUP

During Fiscal Year 2000, the Enforcement and Compliance Workgroup has continued to provide Department-wide communication between air, waste, and water programs. The Workgroup directed the Department's attention to developing enforcement and compliance strategies that cut across traditional media lines, and provided a forum in which those strategies can be discussed and clarified. Specifically, during FY 2000 the Workgroup has:

- Focused its attention on developing a more statistically valid method for determining the compliance rate of the regulated community. In this report the compliance rate is still rather crudely determined by simply dividing the number of facilities with significant violations by the total number of facilities inspected. This method is a good starting point but it does not reflect a valid sampling of the regulated community. Often facilities are inspected in response to complaints or because they are on an inspection schedule. A more reliable determination of overall compliance rates would require MDE to inspect a representative random sampling of the facilities in a given industrial or business sector. While statistically more satisfying, this method raises the resource issue of how to accomplish the representative random inspections while at the same time completing the required scheduled inspections that the Department is already under an obligation to conduct, as well as the specifically-targeted or complaint-driven inspections. The Workgroup is exploring ways to improve assessment of compliance rates and other performance indicators using the resources presently available to the Department.
- Continued to work on the creation of a compliance rate methodology and development of a pilot program that could ultimately be used as a model for other states. The Workgroup participated in the creation of the "Compliance Continuum", a multi-State definitional framework for describing basic environmental enforcement functions and activities. Because other states are also engaged in enforcing environmental laws under the oversight of the EPA, it is important that the terms which are used to describe enforcement activities match so that the efforts of the various states can be fairly compared to each other. This effort also helps benchmark the Department's efforts as compared to other states and clarify how success is conceptually understood.
- Participated in drafting the enforcement component of the Year 2001 Performance Partnership Agreement with EPA.

- Continued to study the most effective use of various enforcement tools to achieve Departmental goals and establish valid performance measures to gauge *how well* the Department is doing in addition to simply counting *what* the Department is doing; including refinement of the Managing Maryland for Results efficiency measures. This effort helps the Department understand the real cost/benefit of these activities under a framework that is being employed by other State agencies.
- Continued to develop definitions and data flow charts for use in the general compliance portion of the MDE Department-wide database template.
- Helped coordinate multimedia inspections with EPA Region III including several inspections at targeted Federal facilities.
- Conducted the fourth Inspector Forum that provided training as well as an opportunity for inspectors to provide feedback and input into improving the effectiveness of the Department's enforcement and compliance efforts.

The Workgroup collectively compiled the statistics and information contained in this annual Report. It is responsible for the present report format and is always seeking ways to improve the validity and presentation of the Department's enforcement and compliance performance measures. The Workgroup's current members are:

Arthur Ray, Office of the Secretary, Chair
 Bernard Penner, Office of the Secretary
 Tom Boone, Water Management Administration
 Laramie Daniel, Air and Radiation Management Administration
 Jack Bowen, Water Management Administration
 Horacio Tablada, Waste Management Administration
 Hilary Miller, Waste Management Administration
 Roscoe Sincero, Waste Management Administration
 Roland Fletcher, Air and Radiation Management Administration
 Ian Forrest, Air and Radiation Management Administration
 Renee Fizer, Air and Radiation Management Administration
 Paul Stancil, Office of the Attorney General, Environmental Crimes Unit
 Dave Pushkar, Water Management Administration
 Dave Lyons, Water Management Administration
 Bob Daniel, Environmental Permits Service Center
 Kathy Kinsey, Office of the Attorney General
 Mel Knott, Technical and Regulatory Services Administration
 Gerry Gietka, Technical and Regulatory Services Administration

Report Manager: Bernard Penner, Enforcement and Compliance Coordinator

MDE'S ENFORCEMENT AND COMPLIANCE ROLE

MDE'S MISSION AND GOALS

MDE's mission is to protect and restore the quality of Maryland's air, land, and water resources, while fostering economic development, healthy and safe communities, and quality environmental education for the benefit of the environment, public health, and future generations. MDE's vision is to ensure a clean environment and excellent quality of life for all Marylanders.

The Maryland Department of the Environment is continuing to implement Governor Glendening's initiative Managing Maryland for Results (MMFR). MDE's Fiscal Year 2002 Managing Maryland for Results Workplan emphasizes the Department's commitment to using results-based, quality planning and management approaches to achieving its public health and environmental protection goals, as well as the agency's "management" goals. The following are MDE's 10 environmental and management goals:

- Goal 1** *Ensuring the Air is Safe to Breathe*
- Goal 2** *Ensuring that Marylanders are not Exposed to Unnecessary Levels of Radiation*
- Goal 3** *Ensuring Safe and Adequate Drinking Water*
- Goal 4** *Reducing the Threat to Public Health from the Presence of Hazardous Waste and Hazardous Materials in the Environment*
- Goal 5** *Ensuring Water is Clean and Safe for Harvesting of Fish and Shellfish*
- Goal 6** *Improving and Protecting Maryland's Water Quality*
- Goal 7** *Ensuring Adequate Protection and Restoration of Maryland's Wetland Resources*
- Goal 8** *Protecting and Maintaining Maryland's Natural Resource Land Base and Encouraging Smart Growth and Community Revitalization*
- Goal 9** *Ensuring Excellent Customer Service to Achieve Environmental Protection*
- Goal 10** *Maximizing Resources*

Within MDE's MMFR workplan, enforcement, compliance, and inspection activities are reported under each environmental goal. Capturing the activities counted in this Report under the related environmental goal shows how regulatory activities help the Department achieve environmental and public health goals. Relating the information in this Report to management goals also aligns enforcement and compliance activity to the appropriate environmental and public health indicator.

ENFORCEMENT WORKFORCE

	FY 2000 Actual*	Number of FTE Inspectors**	Number of FTE Inspector Vacancies***
Air and Radiation Mgt. Adm.	\$2,295,333	50	4.5
Waste Management Adm.	\$2,504,385	47	0.9
Water Management Adm.	\$3,396,824	62	1.3
<hr/>			
Total	\$8,196,542	158	6.7

* Appropriation 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.

***FTE vacancies represent the total amount of time that positions were vacant based on a full year. Therefore, the number of FTE vacancies may include fractions if positions were vacant for various portions of the year.

INSPECTOR TRAINING AND OUTREACH

To maintain effective and efficient enforcement and compliance programs, it is necessary to have a highly trained inspection workforce operating within a system that is responsive to inspectors' needs and supports open communication among all parties involved. As described last year, the Department issued an inspector survey that identified training, communication and management support as essential areas for improvement. MDE used the inspector survey results to formulate the curriculum for future forums.

In June of 2000, MDE held its fourth Inspector Forum. A group of inspectors volunteered to participate in the planning and presentation of the training sessions. The concept of opening the floor to inspector issues came from that Planning Committee and used suggestions from prior forums. Maximizing small group discussion opportunities, the Forum participants were divided into four rooms segregating inspectors from supervisors. Each room was further divided into four tables of no more than 15 people. The tables were grouped according to years of service, putting the longer service employees together at one table and the newer employees at another. For an hour the participants at each table discussed what they considered the three most important issues for the Department to address. Then each room voted on the tables' suggestions and came up with the three top issues for each room.

In the afternoon, inspectors from the four Administrations broke into separate rooms and spent an hour meeting their Director for a question and answer session. Then attendees could choose one of four different training breakout sessions concerning Career Track, Environmental Permits Service Center, Communicating with the Public, or Enforcement Strategies. During the final session, the entire assembly voted on the top three issues from the twelve issues presented by the rooms.

Evaluation results from the conference were very positive. The inspectors appreciated the opportunity to communicate with their peers, and obtain valuable information to help them carry out their job responsibilities. A well-trained workforce is an integral component to the success of any organization. MDE will continue to focus its training efforts on the areas where the training is needed and requested throughout the Department.

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Office of the Secretary

- Policy Coordination
- Strategic Planning
- Smart Growth
- Quality Management
- Enforcement and Compliance Coordination
- Fair Practices
- Legislation
- Audit

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- Air Quality Planning
- Air Quality Compliance
- Asbestos and Industrial Hygiene
- Air Monitoring and Information Systems
- Mobile Sources
- Radiological Health

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- Waste Management Planning
- Hazardous Waste
- Hazardous Materials Transp.
- Underground Tank Remediation
- Oil Control
- Recycling
- Scrap Tire Management
- Lead Program
- Superfund (Federal/State)
- Voluntary Cleanup Program/Brownfields
- Federal Facilities Activities
- Sewage Sludge

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- Water Pollution Control Permits
- Water/Sewer Planning
- Water/Wastewater Compliance
- Capital Projects, Grants, and Loans
- Water Supply/Drinking Water
- Tidal/Non-Tidal Wetlands
- Water Appropriations
- Coal and Non-Coal Mining
- Engineering/Construction
- Sewage Treatment
- Sediment/Erosion Control
- Stormwater Management
- Wells/Septics
- Environmental Boards

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- Compliance Monitoring and Sampling
- Geographic Inform. Systems
- Information Systems and Communications
- Data Mgmt. and Integration
- Environmental Risk Mgmt.
- Toxics Reduction Inventory
- Regulations Coordination
- Public Information Act Coord.
- Graphics Services
- Emergency Response
- Shellfish Sanitation
- Multi-Media Technical Service

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- Personnel
- Procurement
- Human Resources Development and Training
- Central Services
- Fleet Management
- Building Security
- Building Operations
- Library Services
- Employee Safety
- Charities and Campaign Coordination

MDE'S ENFORCEMENT POLICIES

PENALTY POLICY

When MDE assesses penalties in administrative cases, it must consider certain factors specified by statute. Those factors are used to guide the Department's discretion in determining the appropriate amount of a penalty.

The Department 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 a maximum penalty may be assessed. A single factor (i.e. harm to the environment, willfulness, etc.) 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 the Department's determination of a reasonable penalty.

Additionally, the Department's policy is not to reward, by assessing no penalty or a lesser penalty, those who can afford to remediate the harm they caused. Penalty credit is considered for voluntary actions that exceed the legal requirements and result in environmental benefit beyond that needed to remediate the environmental harm.

It is the Department's policy to assess fair and equitable penalties in keeping with the statute and commensurate with the nature of the violations.

COMMITMENT TO PUBLICIZING ENFORCEMENT ACTIONS

Maryland citizens entrust MDE with the responsibility of achieving compliance with the environmental laws of the State. With that in mind, the Department has an obligation to inform the public about the State's progress in achieving compliance with applicable federal and State requirements.

Commitment to Public Information

The Department will keep the public informed of activities that contribute to our mission of protecting the environment and public health. In addition to enforcement and compliance actions, the Department will publicize projects and actions that yield beneficial environmental results through cooperative partnerships and alliances with businesses, community groups, environmental groups, and others who support environmental protection.

Individual Enforcement and Compliance Actions

The Department has established a process for the review and dissemination to news media sources of significant enforcement and compliance actions. The following factors are considered:

Significant Threats to Public Health or Environment – An action taken by the Department in response to acute and/or chronic conditions which cause significant damage to the environment, or which pose significant risks to public health;

Significant Public Interest – An action taken by the Department which, for any number of reasons, creates a high level of public interest; and

Significant Penalty Impacts – An action taken by the Department which has significant economic impacts related to fine amounts, corrective action expenditures, or other costs related to the violation(s) and the resulting enforcement action.

The Department responds to requests for information on any specific case as outlined in the State Public Information Act consistent with protections that apply to ongoing enforcement actions and proprietary business information.

In addition to routine press releases (available on MDE's web site at www.mde.state.md.us), the Department incorporates into its monthly newspaper, the ***MDEEnvironment***, a listing of enforcement actions and fines assessed. This is an effective way to provide enforcement information to a wide audience in a timely manner.

ENVIRONMENTAL AUDIT POLICY

The Maryland Department of the Environment recognizes the benefit from companies that regularly evaluate their internal work processes for compliance with State environmental requirements. Equally as important as identifying violations is the reporting of such violations to MDE for proper and complete remediation and abatement. The Department encourages self-auditing as an effective environmental management technique. Companies that disclose environmental hazards to the Department, under specified requirements, may receive immunity from administrative penalties, pursuant to the Department's enforcement discretion.

This is not intended nor should it be interpreted to be a regulation as defined in Section 10-101, State Government Article. It sets forth criteria and guidelines to be used by the Department staff in settlement of enforcement cases, and does not confer any legal rights.

Statement of Guidance

- A. The Department will not assess a civil penalty for violations of environmental requirements, which are voluntarily disclosed following an environmental audit if:
 - 1. Disclosure is made within 10 days after the information or knowledge concerning the violation is discovered;
 - 2. Action is promptly initiated to correct or eliminate the violation and all public or environmental harm caused by violation. If the violation cannot be fully corrected within 60 days, a compliance plan must be submitted to the Department within 60 days for review. Compliance with the plan must be maintained as approved by the Department;
 - 3. The applicant agrees in writing to take steps to prevent recurrence of the violation; and
 - 4. The regulated entity fully cooperates with the Department regarding investigation of the disclosed condition.
- B. Disclosure is considered voluntary if it is not required to be made in accordance with an established environmental requirement.
- C. The relief granted in Section A is not applicable if any of the following exist:

1. The disclosure was not voluntary as described in Section B;
 2. The violation was discovered by the Department or a third party prior to disclosure by the regulated entity to the Department or the disclosure was made 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 making the disclosure;
 4. Action is not promptly initiated and diligently pursued to correct or eliminate the violation;
 5. Significant environmental harm or a significant public health effect was caused by the violation or is imminent due to the violation;
 6. The specific or a closely related violation has occurred within the past three years at the same facility or the violation is part of a pattern of recurrent violations. For purposes of this section, violation includes any violations of a federal, State or local environmental law identified in a judicial or administrative order, consent agreement or order, complaint, or notice of violation, conviction, or plea agreement; or
 7. The disclosure is made for a fraudulent purpose.
- D. The relief provided under this guidance shall not be applicable when 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 federal environmental program.

MDE'S ENFORCEMENT PROCESS AND DEFINITIONS

ENFORCEMENT AND COMPLIANCE PROCESS

Describing enforcement and compliance activities can be difficult, and measuring those activities is a challenge. Over the last 25 years a number of separate environmental programs were developed, some under federal law and still others under State law. Each of these programs has its own terminology and rules governing the type of sanctions and when they can be used. Also, many programs have some overlap with other programs. In FY 2000 MDE had 26 distinct environmental enforcement programs.

The development of common policies across programs is difficult. The level of flexibility that a program has varies greatly and is usually written into federal or State law. What follows is a general explanation of how enforcement works at MDE and what is expected at each level. Keep in mind that some programs may vary from this model. A diagram of the enforcement process is included on page 32. It may be helpful to refer to the diagram when reading this document.

Inspection: The first step in determining a course of action is to conduct a site inspection, audit, record review, or spot check. The purpose of such activity is to determine whether a facility is in compliance with all applicable permits, regulations, and statutes. During an inspection, an inspector may conduct a visual observation of a facility's operation, review records, take samples for analysis, or any combination thereof. The results of these activities constitute the Department's findings. At the conclusion of an inspection, a written record of these findings is prepared, either at the time of the inspection or at a later date. A copy of the written record is either presented to the facility before the inspector leaves or it is mailed.

Post-inspection evaluation: At some point, either while the inspector is on the site or at a later date, the Department reviews the inspector's findings to determine whether the facility is in compliance with applicable requirements. The need to review findings also arises through other activities, such as the periodic submittal of self-monitoring reports by permittees. If the review determines that the facility is in compliance, no further action is warranted. If the post-inspection review reveals that a violation of an applicable requirement has occurred, a determination is made concerning the seriousness of the violation. Different courses of action are recommended for significant violations versus those that are determined to be not significant. In most situations where a violation has occurred, a report of the violation

is served on the facility. This report can either be the written record of the inspection itself or a separate document.

Minor violations: Sometimes a violation is discovered that is minor in nature and does not have the potential to affect human or environmental health. These may include:

- Minor excursions from prescribed numerical standards.
- Minor record keeping violations.
- First offenses that present no imminent harm or potential harm to public health or the environment.
- Minor violations that can be corrected immediately or in short order.

Minor violations should not be confused with technical violations. Technical violations are often significant. For example, technical violations involving radiation or asbestos are frequently counted as “*significant*”. An intentional falsification of self-monitoring reports is considered significant. Also, repeated minor violations or recalcitrant behavior can be elevated to the significant violation status and appropriate enforcement actions are taken.

If a violation is minor and a facility is cooperative, the inspector can request that the facility correct the violation within a specified time frame. A follow-up inspection is then conducted or other measure taken until adequate assurance exists to verify that the correction has occurred. The inspector may request that a violation be corrected prior to leaving the facility, in which case no follow-up is needed. For certain technical matters, MDE provides assistance to help facilities achieve compliance with federal and State laws. If the facility needs technical assistance to correct a minor violation, the inspector can either provide the assistance directly, or arrange to have assistance provided at a later date. If a minor violation results in a Report of Observation, or similar document, it is not reported in this Report as a violation. Many documented minor violations are tracked under the category of Compliance Assistance.

Minor violations may become significant if they are a part of a re-occurring pattern. Such a violation could become serious if it remains uncorrected or is only partially corrected at the time of a follow-up inspection. Whether this occurs is left to the judgment of the inspector (and/or supervisor) considering factors such as: past compliance history, willfulness of the violation, the degree of harm or potential harm, the ability of the facility to make timely corrections, and any other appropriate factor.

Significant violations: Certain violations uncovered during an inspection are considered significant on their face. Examples of significant violations are:

- Major excursions from prescribed standards.
- Offenses that pose a direct threat to public health or the environment.
- An offense that is part of a pattern of chronic, non-compliant behavior.
- An offense that requires a significant amount of time or capital to correct.
- A violation deemed significant under federal criteria.

Evaluation of enforcement options: Once a violation has been deemed significant, it generally follows that enforcement action is warranted. An evaluation of the available enforcement options is conducted to determine the most appropriate course of conduct given the particulars of the situation. Generally the options available are:

- Issue a directive
- Issue a show-cause order
- Issue a corrective order
- Enter into a consent order
- Seek judicial relief
- Make criminal referral
- Assess a penalty (can be done in conjunction with the options above)
- Or in some circumstances, no action

Some programs have specific sanctions spelled out in law. The enforcement option that is pursued depends on a variety of factors and circumstances, including: whether certain actions are prescribed by State/federal delegation or enforcement agreements, the severity of the violation, the degree of harm or potential harm to public health or the environment, the willingness of the facility to correct the violation, the past compliance history of the facility, and the willfulness of the act. If a penalty is thought to be warranted, there are often factors, incorporated in the statute, that must be considered as part of the decision-making process.

There are rare occasions where circumstances require the Department to decline taking further action. It may be that upon a review of the available evidence, the Department's case is found to be too weak, or is precluded by statute of limitations, or other legal defense. It is also possible that a case is more appropriately pursued by a federal oversight agency such as the EPA.

COMPLIANCE ASSISTANCE

Compliance assistance is both a valuable customer service and an efficient, effective way to improve environmental safeguards. 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 of the Report generally identifies the types of contacts MDE has with businesses to help them come into compliance.

One specific form of contact between businesses and MDE’s enforcement and compliance inspectors is counted in the programs’ performance measures charts under the category of “compliance assistance.” As an element of MDE’s enforcement process, an inspector renders an identifiable and countable act of compliance assistance when he or she:

- (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.

In 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.

Beyond the enforcement process, the concept of compliance assistance also involves MDE’s public outreach and assistance activity which helps the regulated community understand the law and assists the regulated community in complying with the law’s requirements. Although the count of these public outreach activities is not included in this Report, examples of these activities include:

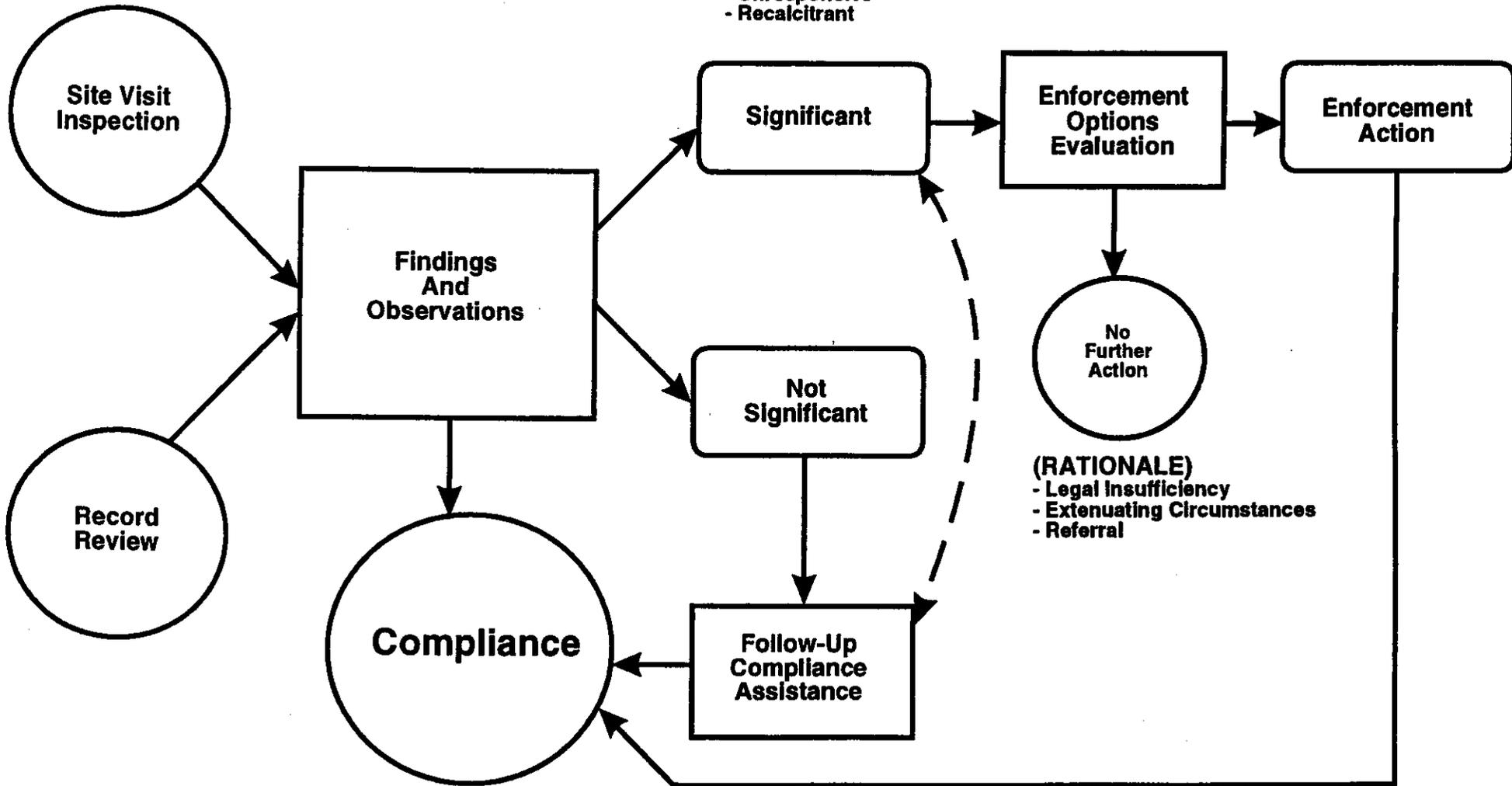
- The Environmental Permits Service Center which assists businesses that need MDE permits or approvals to understand their responsibilities under the law and establish lines of communication between businesses and the Department through which assistance may be sought and rendered.
- The Department operates a Small Business Assistance Program (SBAP) which helps small businesses understand and comply with Maryland’s environmental programs and regulations, and provides pollution prevention and waste minimization information to businesses, explaining how businesses can save money and reduce environmental liabilities by changing their operations to avoid

creating pollution. In the past, the SBAP has conducted site visits and workshops for dry cleaners, auto body shops, printers, and metal platers. The SBAP is developing new outreach programs to focus on small business and industry sectors that have the potential to significantly impact the environment.

- The Department publishes and distributes a *Business Guide to Environmental Permits and Approvals* which provides detailed information about each of MDE's permits, such as the purpose of the permit, the permit requirements, the permit application process, the standard turnaround time, the term of certification, the permit fee, and the Department contact for further information and assistance if needed. The Department has made a number of permit applications and instructions for completing them available through the Internet at MDE's website. The Department is also working to enable businesses to submit their permit applications via the Internet.

ENFORCEMENT PROCESS

- Major
- Chronic
- Unresponsive
- Recalcitrant



- (RATIONALE)
- Legal Insufficiency
 - Extenuating Circumstances
 - Referral

NO FURTHER ACTION

PERFORMANCE MEASURES OVERVIEW AND DEFINITIONS

The task of evaluating the performance of the enforcement and compliance programs is difficult but not impossible. Three of MDE's administrations handle the bulk of the enforcement actions taken by the Department. For that reason we have broken down our evaluation of MDE's programs by media:

AIR: This includes programs for air pollution and radiation.

WASTE: This includes programs for oil control; solid and hazardous waste; sewage sludge; scrap tires; lead poisoning; natural wood waste; and Superfund remediation.

WATER: This includes programs for drinking water; tidal and non-tidal wetlands; NPDES permits; 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.

The first step in assessing performance was the development of measures. This proved to be more difficult than anticipated because each program used different statistics to measure their performance. In an effort to gauge performance, and take a step forward to achieve consistency, the Department developed the Measures of Success program.

In 1997 the Department's first attempt was to create a consistent system of performance measurement. In that effort it was necessary to use three sets of definitions to adequately explain all of the statistics. Trying to implement 1997's system proved difficult and, as it turns out, unnecessarily complicated. The Department believes that the format employed for the last three years is better because it is simpler. The six pages of definitions used in the 1997 Report continue to be valid, but they are not repeated here because the more generic definitions which follow are sufficient for purposes of this report. If the reader needs more details concerning specific categories of numbers as applied to any given program, the Department stands prepared to provide that detail on a program by program basis.

CHART FORMAT

Because of the many favorable comments received in the past, the Department continues to use the same chart format as used in previous years. The advantage of this format is that all programs are reporting their numbers in a consistent manner, making the information accessible to the reader without having to refer to different definitions. Repeated use of the same format also facilitates comparison of information from one year to the next, hopefully making enforcement activity trends more apparent.

The Logic of the Chart

The purpose of this document is to report and attempt to measure the performance of MDE's enforcement effort. Each program's performance chart consistently follows the same logic and is designed to give the citizens of Maryland a common sense, plain English, accounting of the program's activity. A blank example of the chart with the lines numbered to correspond to the following definitions can be found on page 38.

- 1. Identify the total universe of facilities over which the program has regulatory responsibility.***

Lines 2 - 9

Line 3 shows the number of new permits or permit renewals issued during the year. Line 4 accounts for the total number of permits that were in effect at fiscal year end. Lines 5 through 9 are used by those programs that have regulatory responsibility for sites and facilities that are not required to obtain a formal permit.

- 2. Count the number of inspections audits and spot checks conducted.***

Lines 10 - 12

Lines 11 and 12 provide a count of the individual sites inspected and the total number of inspections conducted including record reviews, audits, and spot check activities. It should be noted that a record review, audit, or spot check is counted the same as a full inspection for purposes of this Report. Individuals familiar with these activities know that often a full inspection involves a whole set of activities including record reviews, interviews, and site visits. Because different types of inspections conducted by the various enforcement programs involve many diverse activities, the "number of inspections, audits, and spot checks" reported here includes some activities that do not amount to full formal inspections. Also, the reason the number of inspections is often substantially higher than the number of sites is because some sites are inspected or checked more than one

time during the year. Another reason is that some individual sites are sufficiently large or diverse to warrant having different portions of the site, or pieces of equipment, inspected separately.

3. Compliance Profile

Lines 13 – 16

The Compliance Profile portion of the chart is a snapshot of the overall compliance status of the facilities inspected during the fiscal year. Line 14 identifies how many of the inspected sites were found with significant violations, providing a key element used to determine the overall compliance rate. The percentages on lines 15 and 16 show the percentage of inspected sites that had significant violations. 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. These percentages, along with the number of compliance assistance actions rendered, reflect some measure of how responsive the regulated community is to the Department's enforcement efforts.

4. How many significant violations did the inspections, audits, and spot checks reveal?

Lines 17 – 21

Lines 18 through 21 record the total number and nature of the significant violations the program identified during the Fiscal Year. Line 18 indicates how many significant violations resulted in an *environmental or health impact*. Line 19 counts how many significant violations were *technical/preventative* in nature. The distinction here is based on evidence or proof that the Department must present to establish the violation in a contested case. Cases which require proof of actual physical damage to the environment or a human being, such as samples, photographs, or direct observations of a discharge 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 19. It is a mistake to infer that only environmental/health violations are significant and technical/preventive are not significant. Both types of violations are considered significant or insignificant depending on the circumstances of the violations. It is necessary to make the distinction between physical and technical violations in order to avoid the misperception that all violations involve pollution. This Report reveals that a substantial amount of effort goes into enforcing the many technical requirements of the law.

The specific definition of what constitutes a **significant** violation ultimately rests with the individual programs that have unique statutory and regulatory threshold

requirements. The Department's general definition of a significant violation is any violation that requires the Department to take some form of remedial or enforcement action to bring the facility into compliance. Consequently, the Department is under a self-imposed obligation to account for how it handles each and every significant violation. Line 20 accounts for the number of significant violations carried over from last year. Thus, adding lines 18 through 20 gives the total number of significant violations (line 21) which the program attempted to resolve during the fiscal year.

5. *How where those significant violations resolved? What did the Department do with them?*

Lines 22 - 24

Lines 23 and 24 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 the Department'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. Simply put, the "ongoing" enforcement responses are those not yet finished.

6. *Use of Enforcement Tools*

Lines 25 – 31

The Department has a number of different enforcement tools that can be used to achieve compliance. Line 26 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 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. 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.

Lines 27 through 29 cover specific types of enforcement actions that are required to be reported under Environment Article Section 1-301(d).

Line 30 is 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 31 records 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.

7. Penalties

Line 32 - 33

Line 33 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 part in FY 2000.

EXAMPLE PERFORMANCE MEASURES CHART

	<u>2000 Totals</u>
1	
2	<u>PERMITTED SITES/FACILITIES</u>
3	Number of Permits/Licenses Issued
4	Number of Permits/Licenses in Effect at Fiscal Year End
5	<u>OTHER REGULATED SITES/FACILITIES</u>
6	(other sites)
7	(other sites)
8	(other sites)
9	(other sites)
10	<u>INSPECTIONS</u>
11	Number of Sites Inspected
12	Number of Inspections, Audits, Spot Checks
13	<u>COMPLIANCE PROFILE:</u>
14	Number of Inspected Sites/Facilities with Significant Violations
15	% of Inspected Sites/Facilities in Significant Compliance
16	% of Inspected Sites/Facilities with Significant Violations
17	<u>SIGNIFICANT VIOLATIONS</u>
18	Number of Significant Violations Involving Environmental or Health Impact
19	Number of Significant Violations Based on Technical/Preventative Deficiencies
20	Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year
21	Total
22	<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>
23	Resolved
24	Ongoing
25	<u>ENFORCEMENT ACTIONS</u>
26	Number of Compliance Assistance Rendered
27	Number of Show Cause, Remedial, Corrective Actions Issued
28	Number of Stop Work Orders
29	Number of Injunctions Obtained
30	Number of Penalty and Other Enforcement Actions
31	Number of Referrals to Attorney General for Possible Criminal Action
32	<u>PENALTIES</u>
33	Amount of Administrative or Civil Penalties Obtained

ENVIRONMENT ARTICLE SECTION 1-301(d)

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

(1) (i) On or before October 1 of each year, the Secretary, in consultation with the Attorney General, shall submit to the Legislative Policy Committee, in accordance with §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;
- (iii) Deposited in the Maryland Hazardous Substance Control Fund;
- (iv) Recovered by the Department from responsible parties in accordance with §7-221 of this article;
- (v) Deposited in the Sewage Sludge Utilization Fund; and
- (vi) 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.



**AIR AND RADIATION MANAGEMENT
ADMINISTRATION**

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- Field Services
- Compliance Services

Asbestos and Industrial Hygiene Program
Frank Whitehead
(410)- 631-3200

- Asbestos Licensing and Enforcement
- Industrial Hygiene
- Asbestos Accreditation and School Assistance
- Asbestos Oversight Committee

Air Monitoring and
Information Systems
Program
Edward Carter
(410) 631-3280

- Air Monitoring
- Quality Assurance and Data Management
- Toxics and Special Sampling Office

Air Quality Planning
Program
George Aburn
(410) 631-3245

- Air Quality Planning
- Regulation Development
- Special Projects Office

Mobile Sources Control
Program
Ron Lipinski
(410) 631-3270

- Engineering and Technology Assessment
- Operations and Quality Assurance

Radiological Health
Program
Roland Fletcher
(410) 631-3300

- Radiation Machines
- Radioactive Materials Licensing & Compliance

Ambient Air Quality Control

PURPOSE

There are approximately 10,000 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 nearly 400 priority sources are the primary focus of this program. 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 are considered to have the potential for significant risk to public health or the environment. Combined, this group of nearly 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 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 10,000 sources are generally smaller in terms of their emissions or their impacts and are considered to be of potential low risk to public health or the environment. Examples of these smaller sources include dry cleaning operations, 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

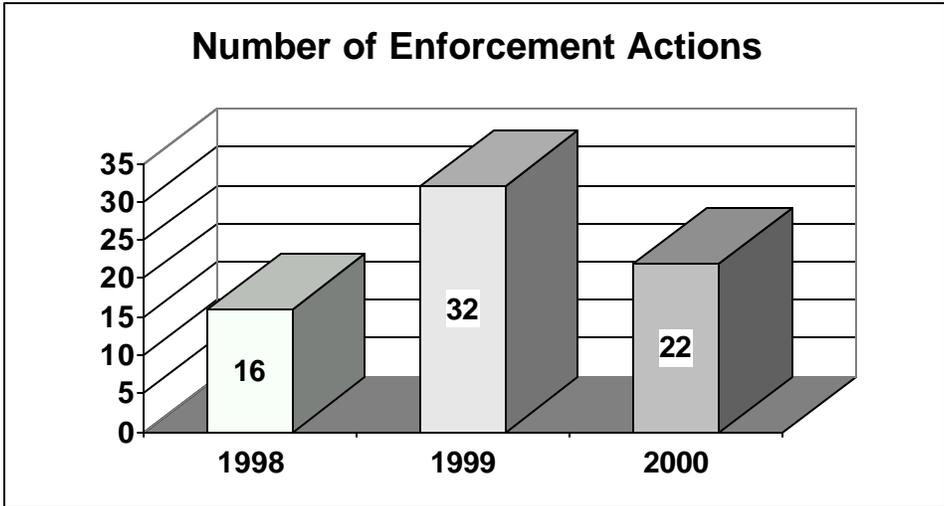
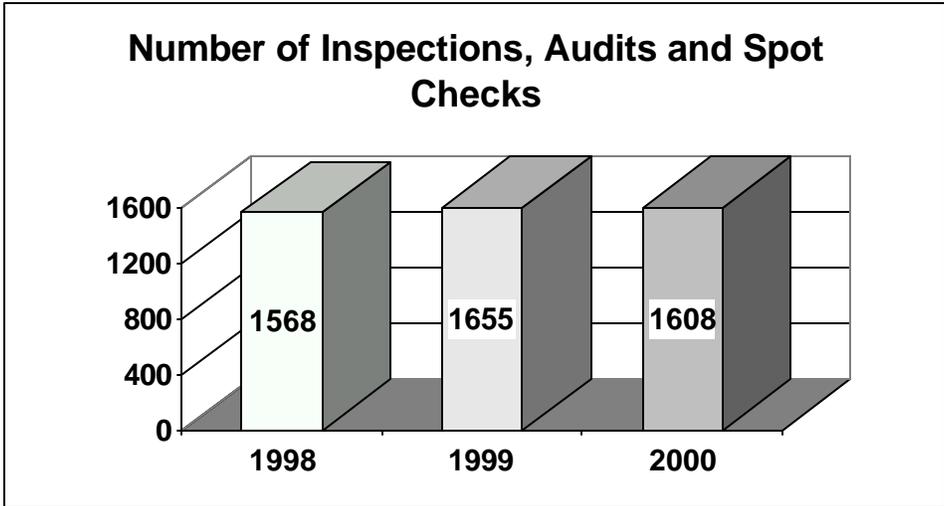
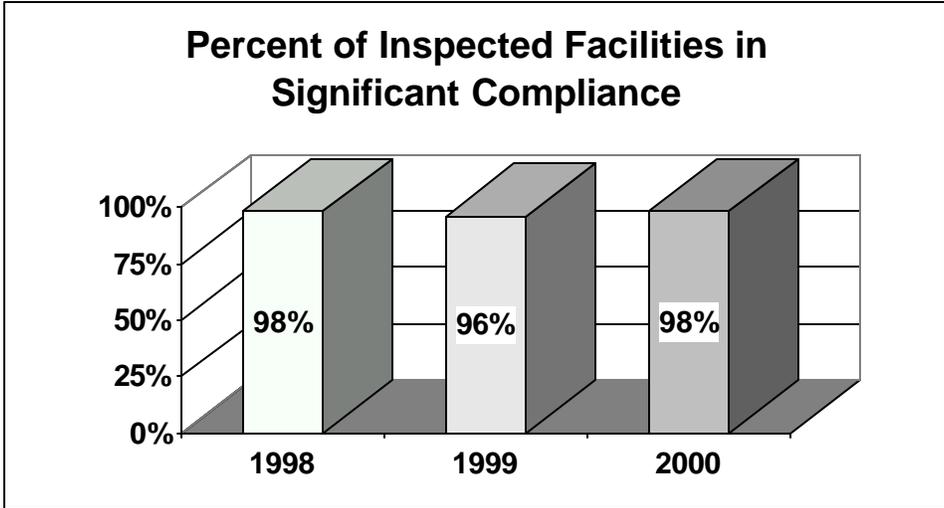
PROCESS

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 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, equipment operators, and owners.

Ambient Air Quality Control High Impact Facilities

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
	575
Number of Permits/Registrations Issued	489
Number of Permits/Registrations in Effect at Fiscal Year End	3,405
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	450
Number of Inspections, Audits, Spot Checks	1,608
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	10
% of Inspected Sites/Facilities in Significant Compliance	98%
% of Inspected Sites/Facilities with Significant Violations	2%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	13
Number of Significant Violations Based on Technical/Preventative Deficiencies	2
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	25
Total	40
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	33
Ongoing	7
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	79
Number of Show Cause, Remedial, Corrective Actions Issued	4
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	18
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$439,000

Ambient Air Quality Control High Impact Facilities

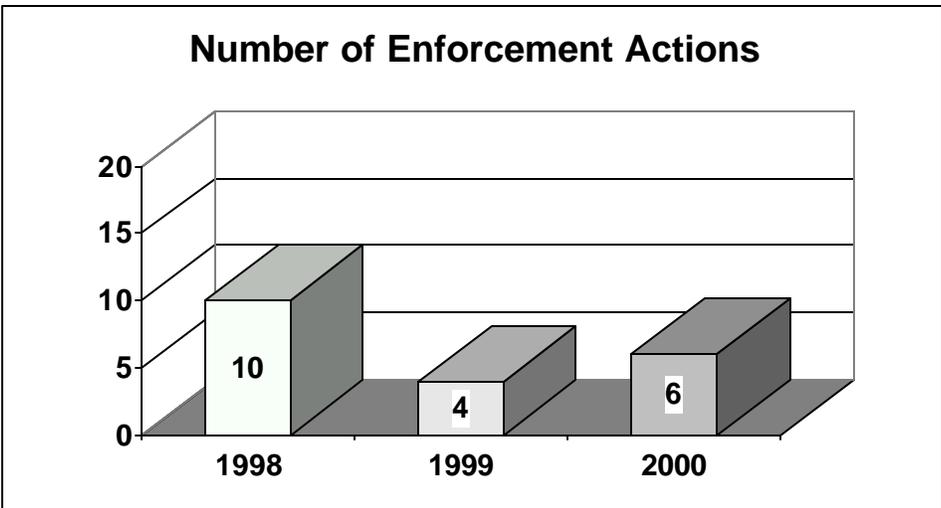
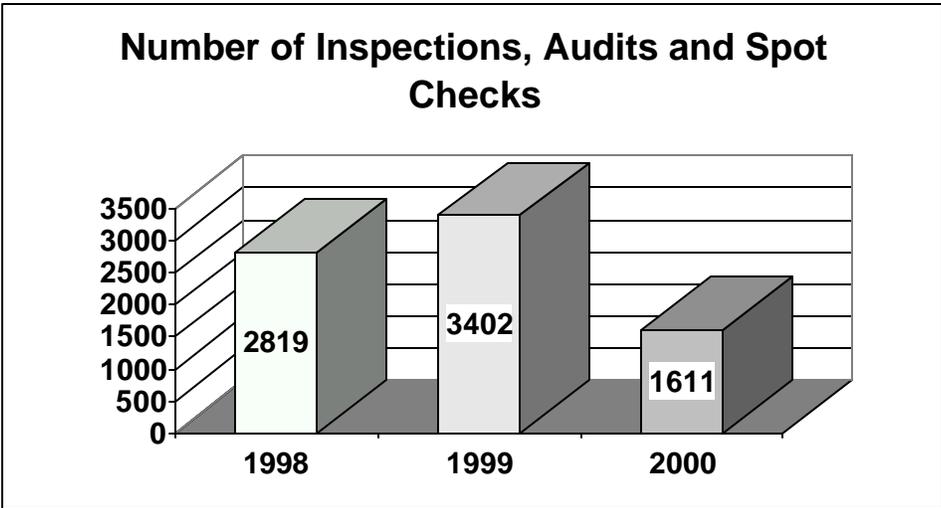
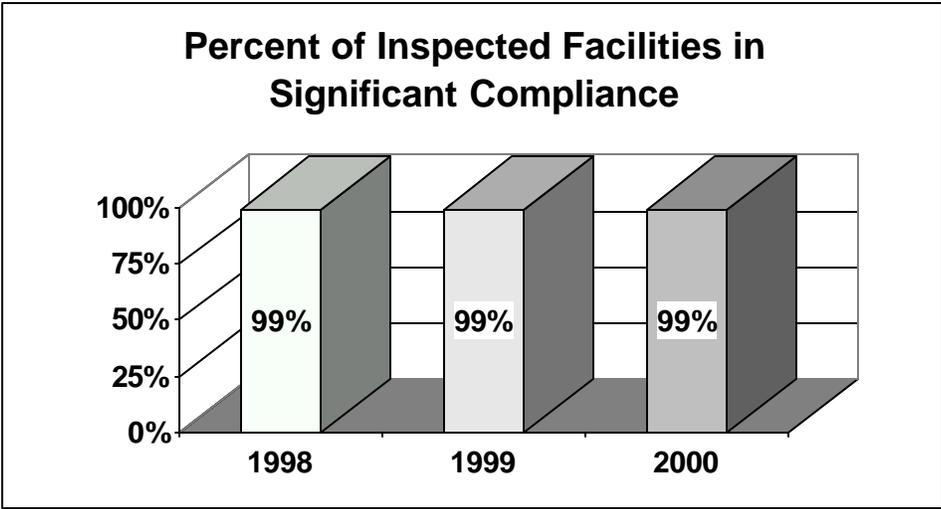


Ambient Air Quality Control Low Impact Facilities

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Registrations Issued	388
Number of Permits/Registrations in Effect at Fiscal Year End	16,895
 <u>OTHER REGULATED SITES/FACILITIES</u>	
None	
 <u>INSPECTIONS</u>	
Number of Sites Inspected	1,017
Number of Inspections, Audits, Spot Checks*	1,611
 <u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	6
% of Inspected Sites/Facilities in Significant Compliance	99%
% of Inspected Sites/Facilities with Significant Violations	1%
 <u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	8
Number of Significant Violations Based on Technical/Preventative Deficiencies	1
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	1
Total	10
 <u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	2
Ongoing	8
 <u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	37
Number of Show Cause, Remedial, Corrective Actions Issued	3
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	3
Number of Referrals to Attorney General for Possible Criminal Action	0
 <u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$5,575

* New counting system for Stage II Vapor Recovery inspections.

Ambient Air Quality Control Low Impact Facilities



Air Quality Complaints

PURPOSE

In addition to the approximately 10,000 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 Pollution Complaints Program responds to complaints regarding nuisance odors and dust from both permitted and non-permitted operations. Close to 900 complaints are received each year. After investigation, some complaints reveal no basis for potential harm to 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

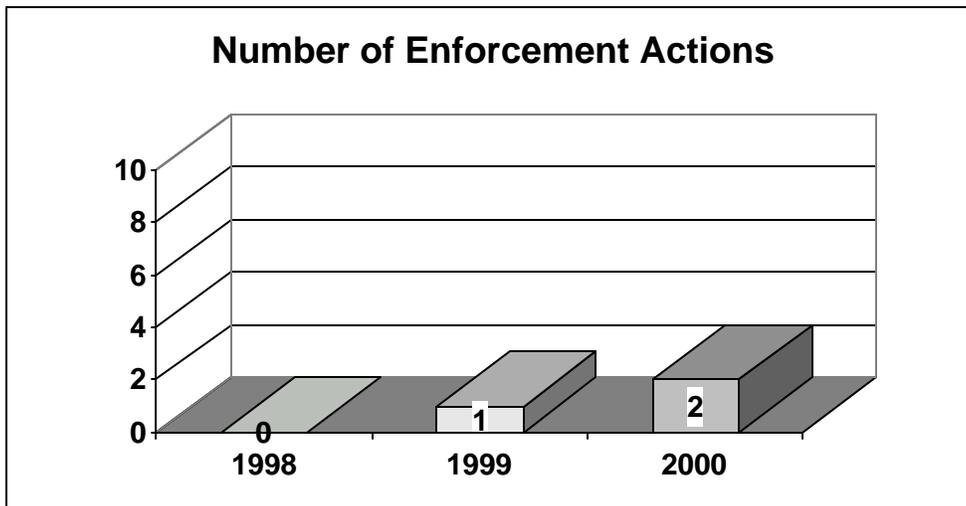
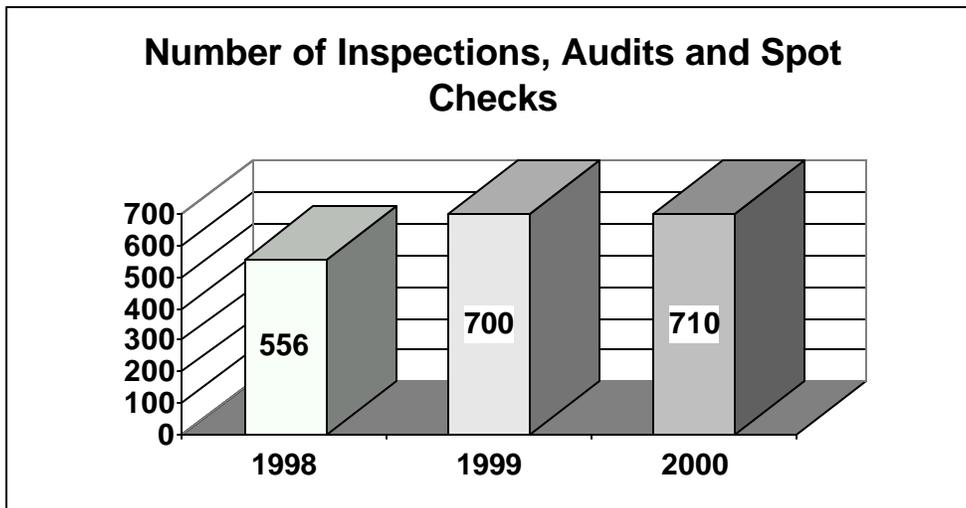
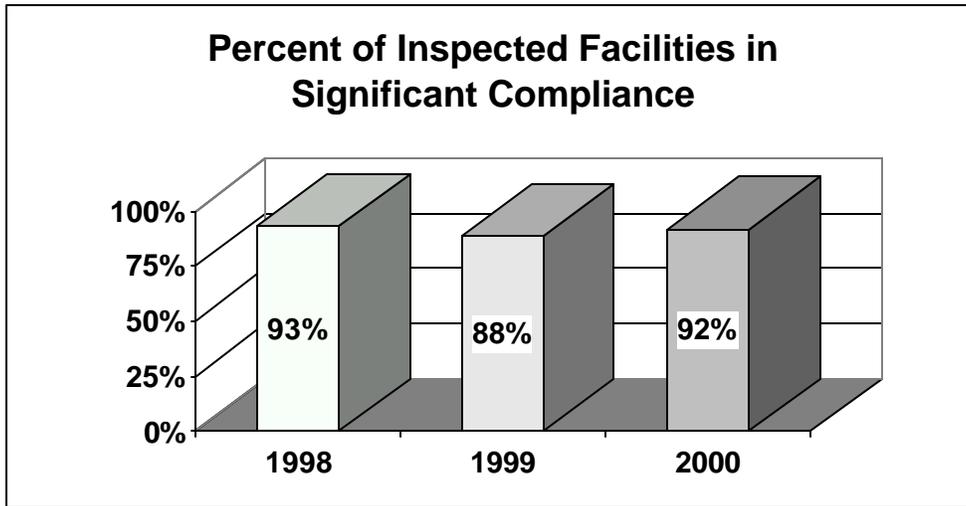
Complaints are addressed in a number of ways. A complaint situation may be of sufficient severity to warrant an immediate site visit. Complaints arising from severe nuisance situations generally result in the Department receiving multiple and separate complaints for a single situation. A complaint situation can also be a sporadic occurrence, which may lead to increased surveillance of the 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 which 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.

Air Quality Complaints

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	n/a
Number of Permits/Licenses in Effect at Fiscal Year End	n/a
<u>OTHER REGULATED SITES/FACILITIES</u>	
Complaints Received at All Sites	961
Complaints Received at Unregistered/Unpermitted Sites	589
<u>INSPECTIONS</u>	
Number of Sites Inspected	322
Number of Inspections, Audits, Spot Checks	710
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	27
% of Inspected Sites/Facilities in Significant Compliance	92%
% of Inspected Sites/Facilities with Significant Violations	8%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	51
Number of Significant Violations Based on Technical/Preventative Deficiencies	0
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	9
Total	60
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	42
Ongoing	18
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	53
Number of Show Cause, Remedial, Corrective Actions Issued	1
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	1
Number of Referrals to Attorney General for Possible Criminal Action	1
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$0

Air Quality Complaints



Asbestos

PURPOSE

The Asbestos and Industrial Hygiene Program manages the licensing of asbestos removal contractors and oversees their efforts when removing or encapsulating asbestos to assure that it is removed 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

PROCESS

Removing or encapsulating asbestos is required to be done by a contractor licensed by MDE for such purposes. 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. Because there is no safe level of exposure to asbestos, almost any violation is considered significant.

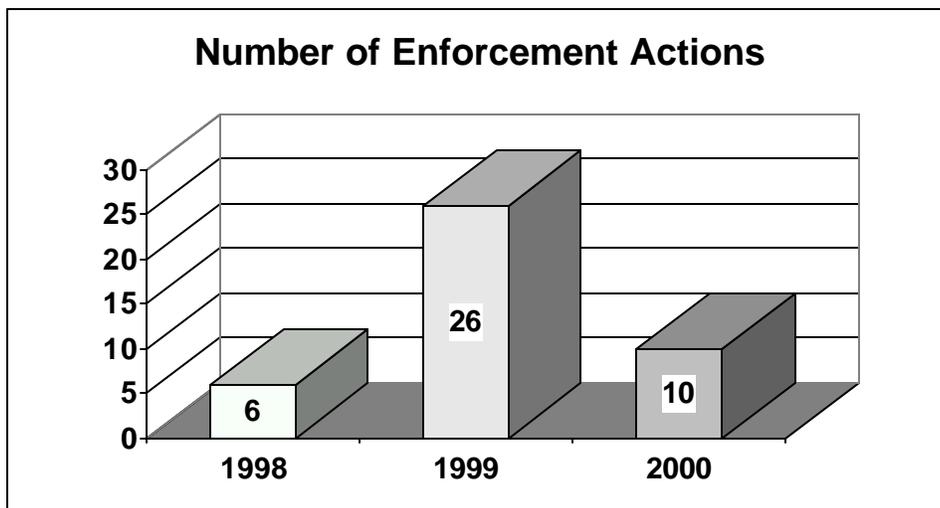
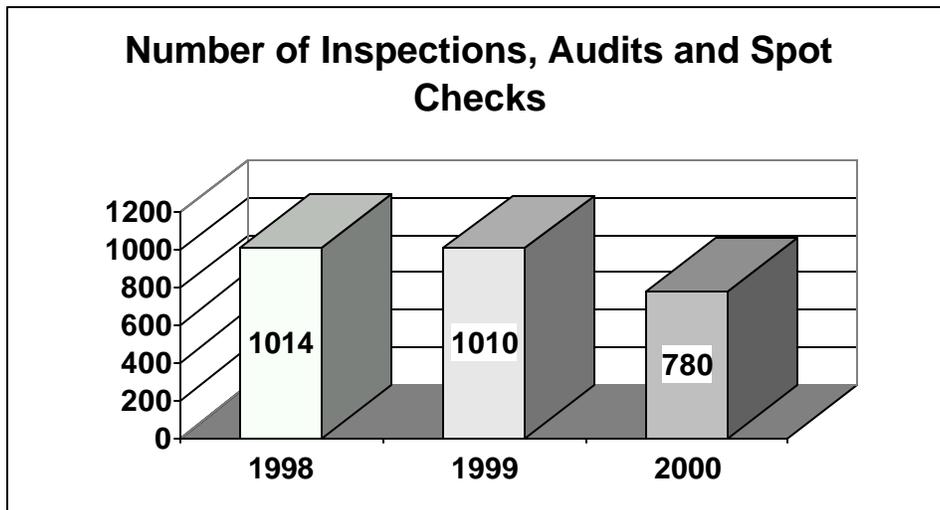
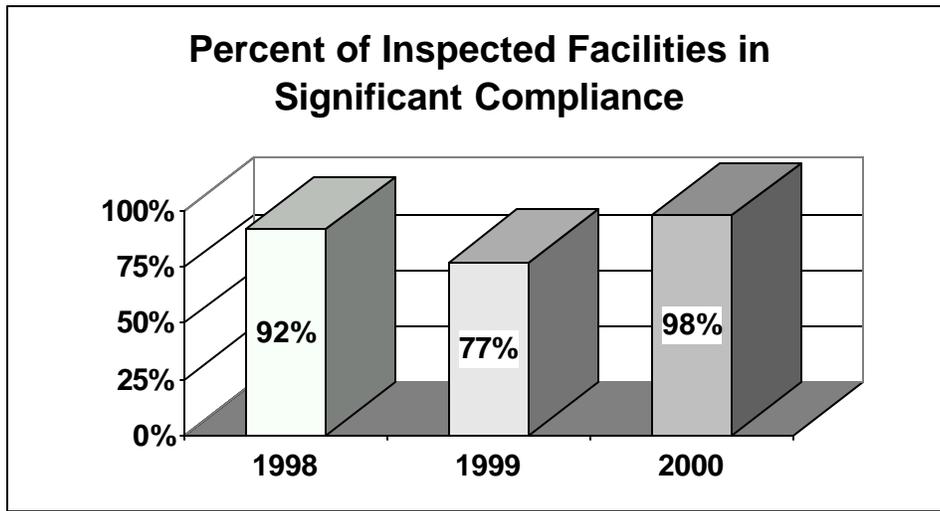
TRENDS

The compliance rate increased from 77% in FY 1999 to 98% in FY 2000, which is comparable to the FY 1998 rate of 92%. This improvement can be attributed to closer monitoring of the regulated community and the filling of key supervisory and support positions in the program. The number of inspections, audits, and spot checks is lower this year due to decrease in the number of project notifications. The percentage of notifications that resulted in inspections increased by about 4% from FY 1999 to FY 2000.

Asbestos

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	n/a
Number of Permits/Licenses in Effect at Fiscal Year End	n/a
<u>OTHER REGULATED SITES/FACILITIES</u>	
Number of Contractor Licenses Issued in FY 00	224
Number of Licenses in Effect at Fiscal Year End	245
Number of Asbestos Removal Notifications Received	2,167
<u>INSPECTIONS</u>	
Number of Sites Inspected	518
Number of Inspections, Audits, Spot Checks	780
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	64
% of Inspected Sites/Facilities in Significant Compliance	88%
% of Inspected Sites/Facilities with Significant Violations	12%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	64
Number of Significant Violations Based on Technical/Preventative Deficiencies	9
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	39
Total	112
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	77
Ongoing	35
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	120
Number of Show Cause, Remedial, Corrective Actions Issued	5
Number of Stop Work Orders	1
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	4
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$17,926

Asbestos



Radiation Machines

PURPOSE

The Radiation Machines Division's charge is to regulate man-made electronic sources of radiation so as to minimize the amount of radiation exposure to the general public. These sources include dental and veterinary x-ray machines, mammography machines, radiation machines used in medical settings to diagnose or treat illnesses, and radiation emitting devices used in research or industry.

State regulations, which derive in part from federal statutory requirements, require that all radiation exposures be "As Low As Reasonably Achievable" (ALARA). Such a requirement is necessary, since radiation exposure in high dose rates or large quantities can cause adverse health effects. Radiation protection is based on evidence that receiving numerous small exposures over time may have a detrimental effect similar to receiving a single large exposure, since the radiation dose is cumulative. Fortunately, documented human health impacts are rare, and the medical benefits of radiation diagnostic, therapy, and treatment procedures far outweigh the potential risk of sustained biological damage. Nonetheless, it is prudent to take every reasonable precaution when dealing with radiation.

AUTHORITY

FEDERAL: Radiation Control for Health and Safety Act
Mammography Quality Standards Act; 21 CFR 1020
STATE: Environment Article, Title 8 Radiation
COMAR 26.12 Radiation Management

PROCESS

Dental and veterinary x-ray machines are inspected by the Department on a three-year cycle. Under a contractual arrangement with the U.S. Food and Drug Administration (FDA), mammography machines in facilities certified by the FDA are inspected annually by the Radiation Machines Program. The mammography inspection reports are provided to FDA for follow up enforcement actions. Inspections of all radiation-emitting machines in hospitals, private medical or industrial facilities and academic institutions are performed by inspectors licensed by MDE. Licensing requirements include an education and a health physics experience element. Inspection priorities for these machines are based on the type of the machine, with inspection intervals ranging from 1 to 3 years. Following MDE's review and approval of an inspection report from an MDE-licensed inspector, the inspected machine is issued a certification by MDE. An inspection in any of the program categories below involves testing the accuracy and intensity of the radiation beam, testing the accuracy of the dosage timer, and checking for proper film development procedures. A review of operator credentials and adherence to safety procedures may also be included as part of an inspection.

Following an inspection, appropriate follow-up protocols are conducted to verify that all violations uncovered during the inspection are corrected immediately. Facilities with significant violations and those that are not corrected in the required time frame (20 days) are targeted for enforcement action.

The low significant compliance rate cited for all inspected facilities is heavily influenced by the extremely low compliance rate during initial inspections at dental facilities, which was only 15%. This rate for dental facilities increased to 87.5% after identifying areas of noncompliance and allowing for corrections to take place (usually within 45 days of no formal enforcement action). The Radiation Machines Division is considering measures that can be used to improve the initial significant compliance rate. These measures include a complete restructuring of the facility registration process, establishing a stringent penalty matrix for significant violations, and an overall aggressive enforcement action plan which may result in proposed legislative changes in the areas of inspection frequency and fees.

The chart below shows the types of facilities regulated by MDE listed in terms of radiation machine type or purpose, and the frequency at which they are inspected.

Facility Type	Registered Machines (X-ray Tubes*)	Inspection Frequency
High Energy & Particle Accelerators	6 Machines	Annual
Therapy	57 Machines (57 Tubes)	Annual
Hospitals	1,047 Machines (1,222 Tubes)	Biennial
Physicians: MD, GP, Chiropractic, Podiatric	2,538 Certified Machines (3,001 Tubes)	Biennial
Industrial	529 Machines (506 Tubes)	Triennial
Dental	7,526 Machines (7,723 Tubes)	Triennial
Veterinary	459 Machines (460 Tubes)	Triennial
Mammography	250 Machines (250 tubes)	Annual

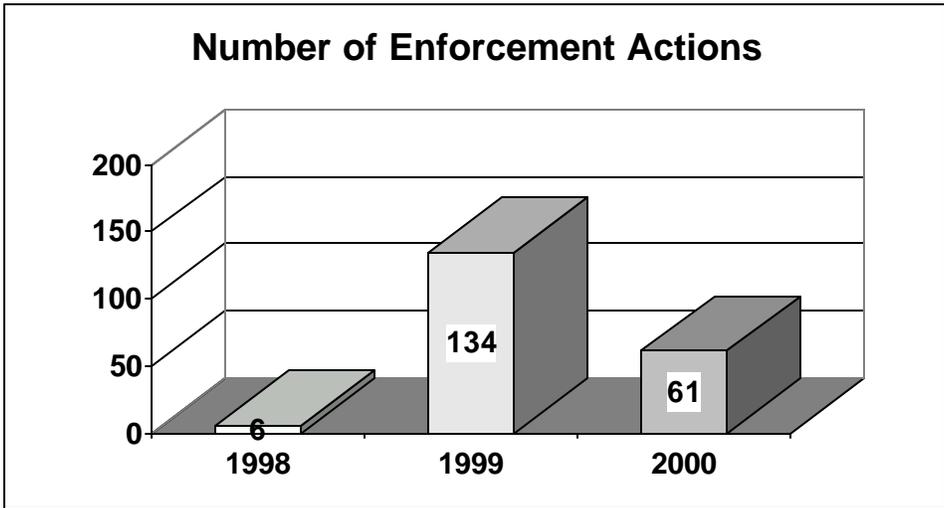
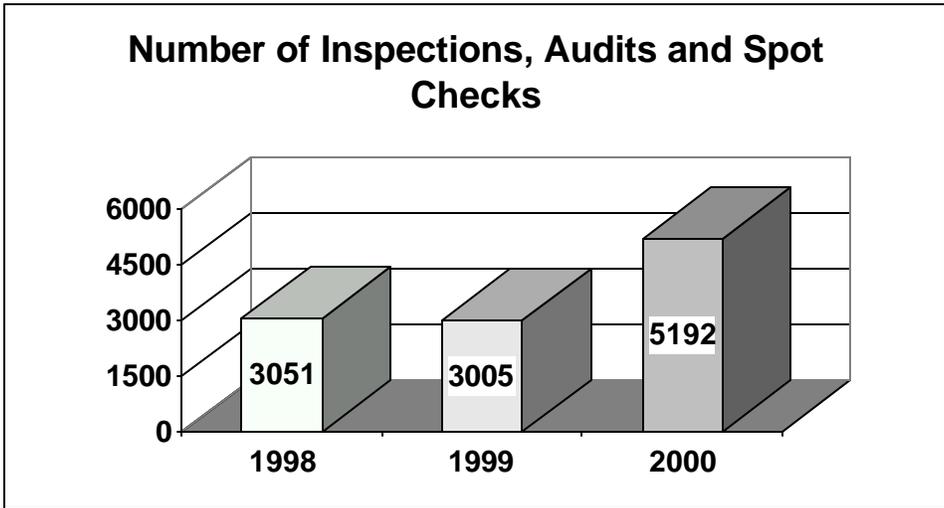
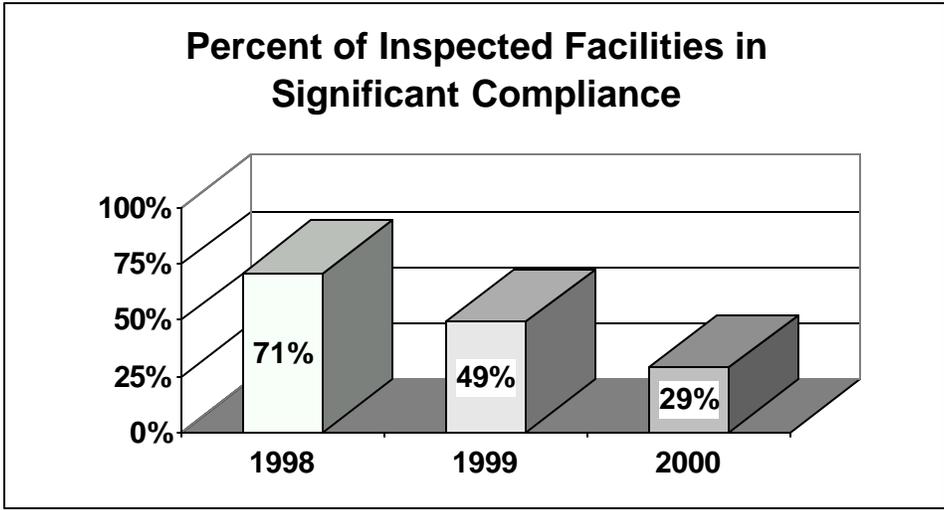
* Maryland regulations define “tube” as any individual electronic device designed for the production of x-ray radiation. In this context, tubes and machines are interchangeable as the regulated source of radiation.

Radiation Machines

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of New Facility Registrations Issued	382
Number of Facility Registrations in Effect at Fiscal Year End	4,633
<u>INSPECTIONS</u>	
Number of Sites Inspected	2,062
Number of Inspections, Audits, Spot Checks	5,192
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Violations	1,457
% of Inspected Sites/Facilities in Significant Compliance	*29%
% of Inspected Sites/Facilities with Significant Violations	71%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	0
Number of Significant Violations Based on Technical/Preventative Deficiencies	3,368
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	1,132
Total	4,500
<u>DISPOSITION OF VIOLATIONS</u>	
Resolved	4,223
Ongoing	277
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	1,750
Number of Show Cause, Remedial, Corrective Actions Issued	3
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	58
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$20,874

*This percentage reflects the facilities that have no significant violations at the time of the inspections. After 45 days of enforcement effort, this percentage increases to 85%.

Radiation Machines



Radioactive Materials Licensing and Compliance

PURPOSE

The Radioactive Materials Licensing and Compliance Division (RAMLCD) regulates the use, handling and control of radioisotopes in Maryland to protect the health and safety of radiation workers and the members of the public and minimize radioactive contamination of the environment. Examples of facilities that use and handle radioactive materials are hospitals, private medical practices, manufacturers, industries, research and development firms, academic institutions, nuclear pharmacies, and distributors of sealed sources. RAMLCD issues specific radioactive material licenses to these facilities based on the nature and use of the radioisotopes, the training and experience of the facility's Radiation Safety Officer and radioactive material users and the sufficiency of the radiation safety program submitted.

AUTHORITY

FEDERAL: Atomic Energy Act of 1954 as amended
STATE: Environment Article, Title 8, Radiation
COMAR 26.12 Radiation Management

PROCESS

RAMCLD conducts inspections of the above-described facilities to determine compliance with the Maryland radiation regulations and specific license conditions. Inspections may be performed over a 1-4 day period by one inspector or a team of inspectors, depending upon the size and complexity of the license. Inspection frequencies range from quarterly (which is unique to Maryland due to the presence of Neutron Products, Incorporated, the only cobalt-60 teletherapy source manufacturer in the nation) up to 5 years. The frequency of these inspections is determined by the quantity, activity, and toxicity of the radioisotope(s), the potential hazards resulting from the radioactive material use, and the nature of the facility itself. Inspections routinely focus on a compliance review of Maryland radiation regulations, the conditions of the specific license and the licensee's adherence to radiation safety procedures and practices.

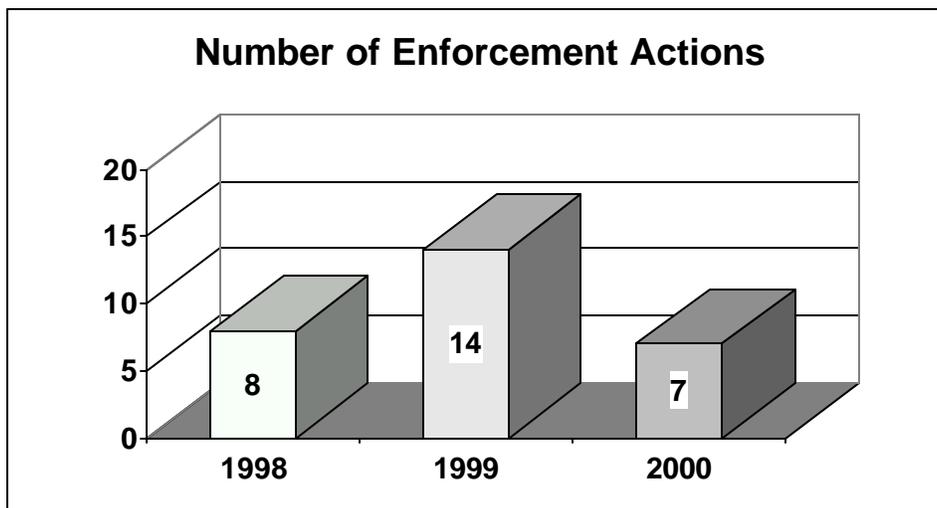
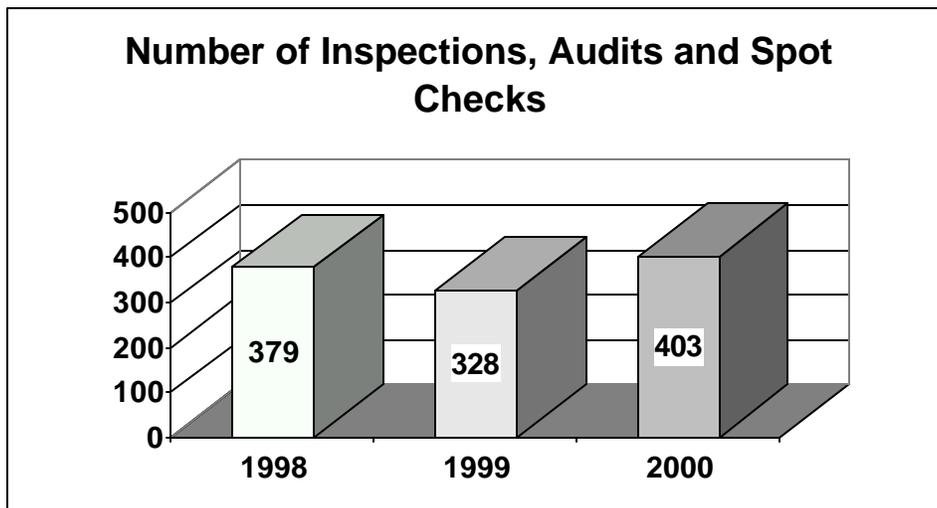
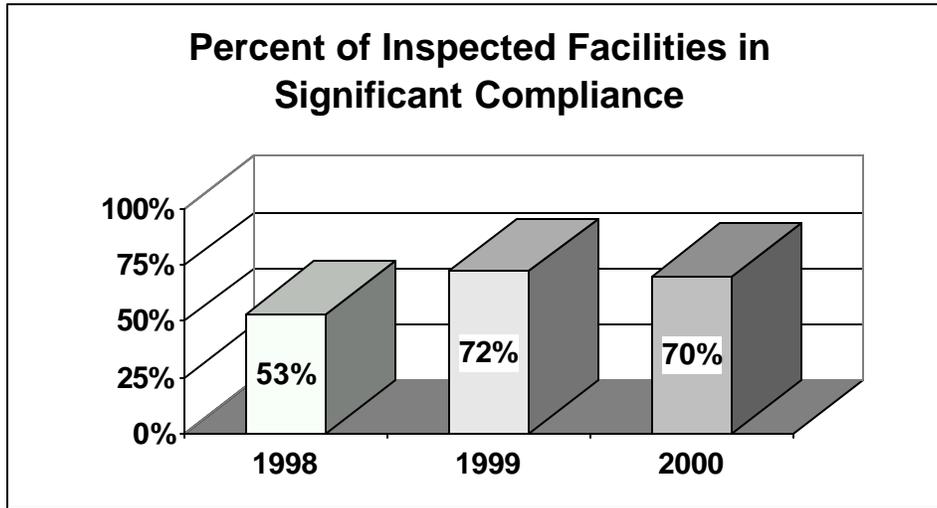
Additionally, RAMLCD conducts investigations throughout Maryland where radioactive material incidents have occurred and complaints regarding radiation safety at licensed facilities or worksites have been received, or upon notification to RAMCLD that a facility has relocated their radioactive material use areas without proper authorization. The Division also oversees the decommissioning of previously licensed radioactive materials facilities and conducts safety evaluations on radioactive material sources and devices distributed by Maryland manufacturers. Additionally, the division performs inspections on at least 25% of the radiation operations conducted in Maryland by out of State licensees under reciprocal recognition of their license. Finally, the RAMLCD responds to emergencies such as transportation accidents involving radioisotopes, and is also prepared to respond and assist with nuclear power plant accidents. Each year the Division participates in an exercise involving a mock accident at either the

Calvert Cliffs Nuclear Power Plant or Peach Bottom Atomic Station to test the Department's preparedness for responding to a nuclear accident.

Radioactive Materials Licensing and Compliance

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	527
Number of Permits/Licenses in Effect at Fiscal Year End	595
<u>OTHER REGULATED SITES/FACILITIES</u>	
Sources from Other Jurisdictions	414
<u>INSPECTIONS</u>	
Number of Sites Inspected	403
Number of Inspections, Audits, Spot Checks	403
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	122
% of Inspected Sites/Facilities in Significant Compliance	70%
% of Inspected Sites/Facilities with Significant Violations	30%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	1
Number of Significant Violations Based on Technical/Preventative Deficiencies	320
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	6
Total	327
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	266
Ongoing	61
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	134
Number of Show Cause, Remedial, Corrective Actions Issued	1
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	6
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$34,850

Radioactive Materials Licensing and Compliance





**WASTE MANAGEMENT
ADMINISTRATION**

WASTE MANAGEMENT ADMINISTRATION

SECRETARY

Planning, Recycling, and Outreach Program

Regina Rochez

(410) 631-3314

- County Solid Waste Plans Review
- Recycling Services
- Regional Office Coordination
- Legislation Evaluation
- Outreach/Education
- Public Information Act Requests
- Multi-Media Coordination
- Regulatory Development, Review, and Notification
- Environmental Impact Statement Reviews

Richard Collins, Director

(410) 631-3304

Horacio Tablada, Deputy Director

(410) 631-3305

Office of Administrative Services

Brooks Stafford

(410) 631-3535

- Budget Preparation
- Grants Financial Management
- Audit Review
- Personnel/Fair Practices
- Fleet Management/Procurement

Lead Poisoning
Prevention Program
Alvin Bowles
(410) 631-3441

- Lead Paint Poisoning Prevention
- Lead Compliance

Solid Waste Program
Barry Schmidt
(410) 631-3318

- Solid Waste Permits
- Solid Waste Compliance
- Scrap Tire Compliance, Remediation, Projects
- Sewage Sludge Permits
- Sewage Sludge Compliance

Hazardous Waste Program
Harold Dye
(410) 631-3343

- Manifest Tracking
- Hazardous Waste Permits
- Hazardous Waste Compliance
- Hazard Waste Regulatory Authorization
- Hazardous Materials Transp. Inspections
- Pollution Prevention
- Low Level Radioactive Waste

Env. Restoration and
Redevelopment Program
Karl Kalbacher
(410) 631-3437

- Superfund Site Assessments
- State Superfund Site Remediations
- Federal Facilities/ Base Closure Prog.
- Voluntary Cleanup Prog./Brownfields
- National Priority List Remediation

Oil Control Program
Mick Butler
(410) 631-3386

- Leaking Underground Storage Tanks (LUST)
- Underground Storage Tank(UST) Compliance and Remediation
- UST Cleanup Reimbursements
- Oil Contaminated Facilities Permits
- Aboveground Storage Tank Permits

Insert WAS Section pp 64-92



**WATER MANAGEMENT
ADMINISTRATION**

WATER MANAGEMENT ADMINISTRATION

SECRETARY

James L. Hearn, Director

(410) 631-3567

Dane Bauer, Deputy Director

(410) 631-3512

Water Quality Infrastructure Program
Virginia Kearney
(410) 631-3574

- Fiscal Policy/Federal Close-Out
- NPS Pollution Project Management
- Contract Administration
- Water Supply Capital Project Management
- State Revolving Fund Loans
- Technical Services
- Capital Project Construction Inspection

Office of Operational & Administrative Services
Pam Wright
(410) 631-3754

- Budget Preparation
- Grants and Financial Management
- Audit Review
- Personnel and Fair Practices Coordination
- Fleet Management/Procurement
- Data/Information Systems Management
- State Boards Coordination
- Strategic Planning Coordination

Waste Water Permits Program
Jim Dieter
(410) 631-3619

- NPDES Sludge Management
- State Groundwater Permits
- NPDES Permits
- Wells and Septics
- Pretreatment
- Project Management
- Technical Services
- Construction Inspection

Wetlands & Waterways Program
Gary Setzer
(410) 631-8091

- Coastal Zone Consistency
- Nontidal Wetlands and Waterways
- Tidal Wetlands

Compliance Program
(410) 631-3532
Tom Boone

- Resource Planning and Utilization
- Inspection Coordination and Support Services
- Enforcement Division
- Western Inspection
- Central Inspection
- Southern Inspection
- Eastern Inspection

Mining Program
Ed Larrimore
(410) 631-8055

- Coal Mining
- Non-Coal Mining
- Mineral, Oil, and Gas

Water Supply Program
Saeid Kasraei
(410) 631-3702

- Source Water Protection
- Drinking Water Compliance
- Drinking Water Surveillance and Technical Assistance
- Water Rights

Non Point Source Program
Ken Pensyl
(410) 631-3543

- Sediment and Stormwater Plan Review
- Erosion Control
- Dam Safety
- Local Program Oversight

Discharges – Groundwater (Municipal and Industrial)

PURPOSE

Groundwater Discharge Permits control the disposal of treated municipal or industrial wastewater into the State's groundwater via spray irrigation or other land-treatment applications. A groundwater discharge permit will contain the limitations and requirements deemed necessary to protect public health and minimize groundwater pollution.

AUTHORITY

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

PROCESS

Upon permit issuance, the file is transferred to the Compliance Program where an inspection priority is assigned. Inspections at the facilities are scheduled in accordance with the assigned priority. Scheduled inspection frequencies may be modified as workload or priorities change. If samples are needed to document site conditions, they are taken and turned into a lab for analysis. Discharge Permits require sample self-monitoring of the discharge by the facility; and results are filed quarterly with the Department in the form of Discharge Monitoring Reports (DMR). DMR review by the inspector is not counted as a separate activity; rather it is part of the inspector's preparation for making a facility inspection. Submitted DMR's are reviewed, in the office, by Enforcement Division Staff in order to determine whether the criteria for "Significant Noncompliance" has been met. The DMR reviews performed by the Enforcement Division are included in the following Table on the line identified as "Inspections, Audits, Spot Checks." The Enforcement Division is also responsible for entering all DMR data into a database.

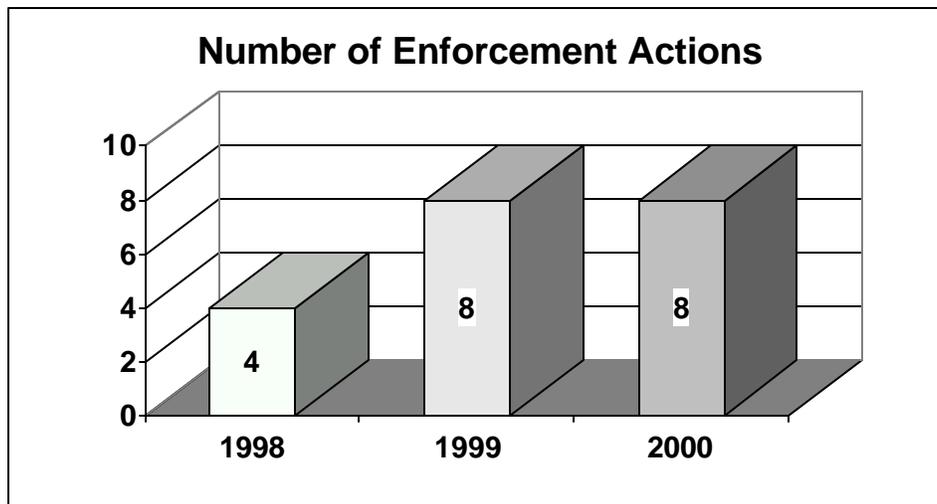
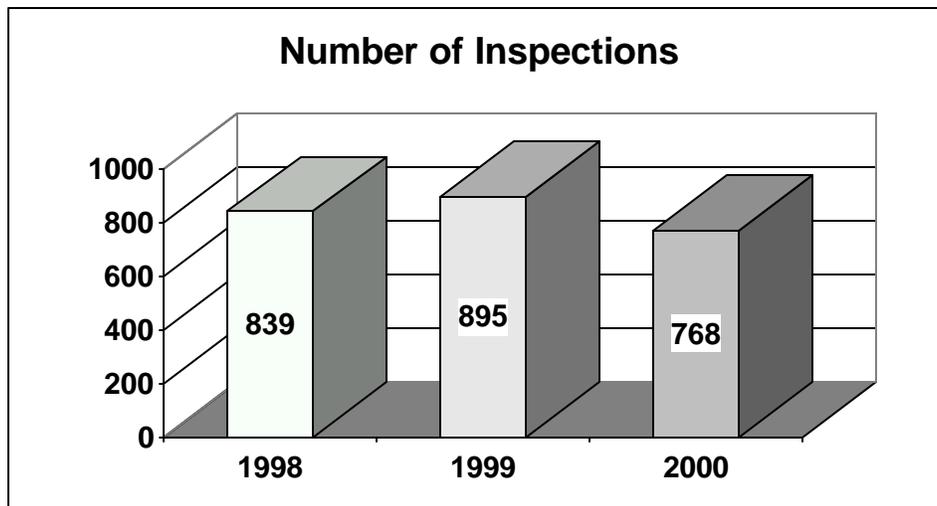
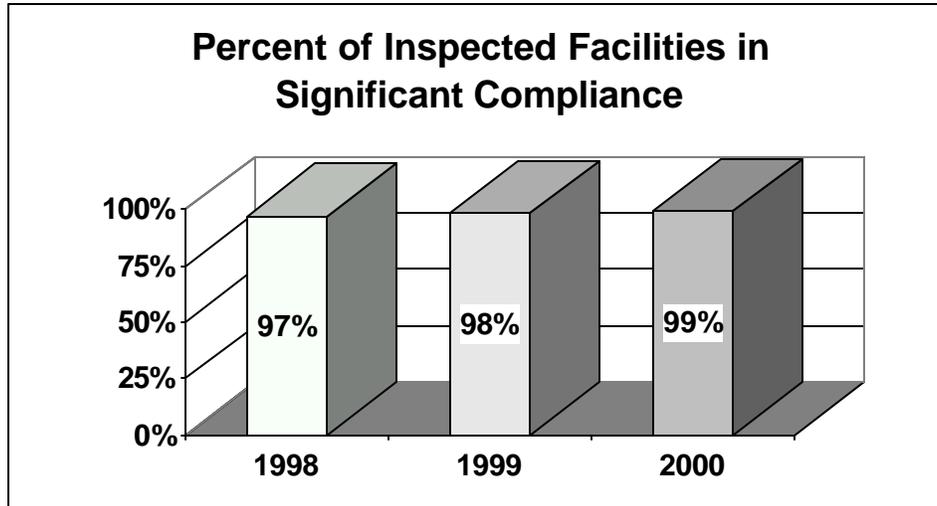
Discharges – Groundwater (Municipal and Industrial)

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued*	30
Number of Permits/Licenses in Effect at Fiscal Year End	211
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	209
Number of Inspections, Audits, Spot Checks	**768
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	3
% of Inspected Sites/Facilities in Significant Compliance	99%
% of Inspected Sites/Facilities with Significant Violations	1%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	3
Number of Significant Violations Based on Technical/Preventative Deficiencies	0
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	9
Total	12
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	
Ongoing	2
	10
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	26
Number of Show Cause, Remedial, Corrective Actions Issued	3
Number of Stop Work Orders	0
Number of Injunctions Obtained	1
Number of Penalty and Other Enforcement Actions	4
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$16,500

*Includes new permits; and permit renewals and modifications.

**This number includes 257 inspections and 511 DMR reviews.

Discharges – Groundwater (Municipal and Industrial)



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

PURPOSE

The purpose of the federal National Pollutant Discharge Elimination System (NPDES) program is to control pollution generated from wastewater discharges from treatment plants and industrial facilities as well as stormwater runoff associated with industrial activity and municipal separate storm sewer systems. Eleven categories of industry and certain sized local governments are required by the Clean Water Act and the U.S. Environmental Protection Agency (EPA) to obtain permits under the NPDES stormwater program. The surface water discharge permit combines the requirements of the State discharge permit program and the NPDES programs into one permit for both municipal and industrial wastewater treatment facilities that discharge to State surface waters. The permit is designated to maintain water quality standards in the water receiving the discharge.

Anyone who discharges wastewater to surface waters needs a surface water discharge permit. Applicants include municipalities, counties, schools, and commercial sewage treatment plants, as well as treatment systems for private residences that use surface discharge techniques. All industrial, commercial, or institutional facilities that discharge wastewater (or storm water from certain facilities) directly to surface waters of Maryland need this permit. All discharges to municipal wastewater systems will only require a pretreatment permit.

NOTE: An Industrial Stormwater Discharge permit for construction activity is tracked and documented under the Stormwater Management and Erosion and Sediment Control Program. General discharge permit coverage is required for construction activities which involve five acres or greater of disturbance.

AUTHORITY

FEDERAL: Clean Water Act

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

PROCESS

Upon issuance of a permit the file is transferred to the Compliance Program where an inspection priority is assigned. Inspections at the facility are scheduled in accordance with the assigned priority. Scheduled inspection frequencies may be modified as workload or priorities change. If water quality samples are needed to document site conditions, they are taken and submitted to a lab for analysis. Discharge Permits require self-monitoring sampling of the discharge by the facility and results filed quarterly with the Department in Discharge Monitoring Reports (DMR). DMR review by the inspector is not counted as a separate activity; rather it is part of the inspector's preparation for making a facility inspection. Submitted DMR's are reviewed, in the office, by Enforcement Division Staff in order to determine whether the criteria for "Significant Noncompliance" has been met. The DMR reviews performed by the Enforcement Division are included in the following Table on the line identified as "Inspections, Audits, Spot Checks". The Enforcement Division is also responsible for entering all DMR data into a database.

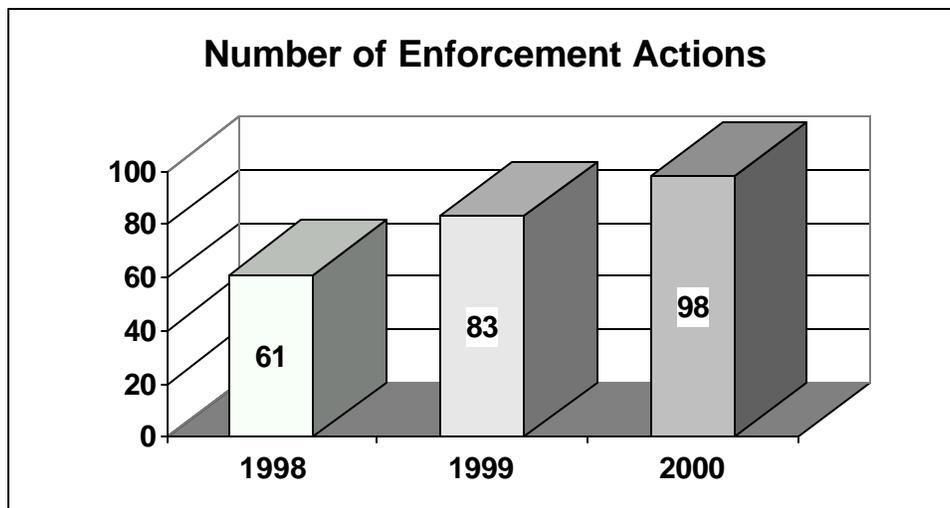
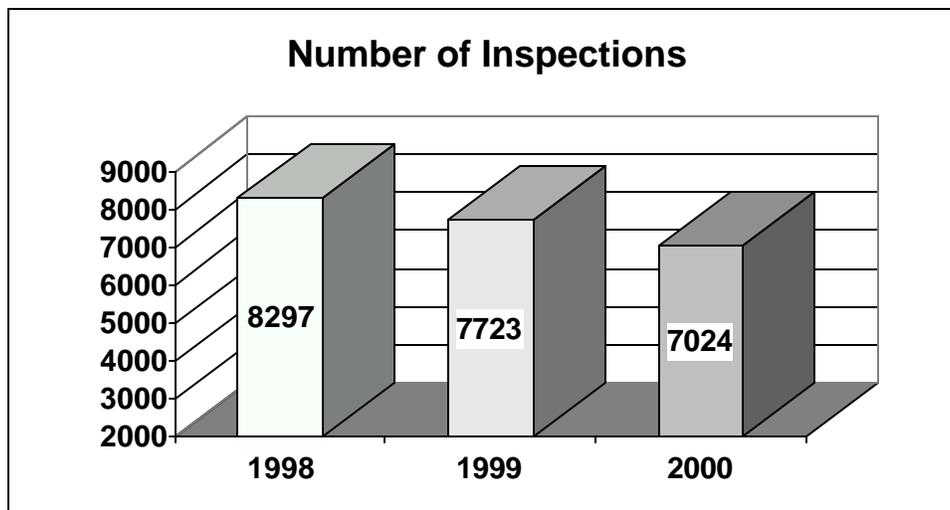
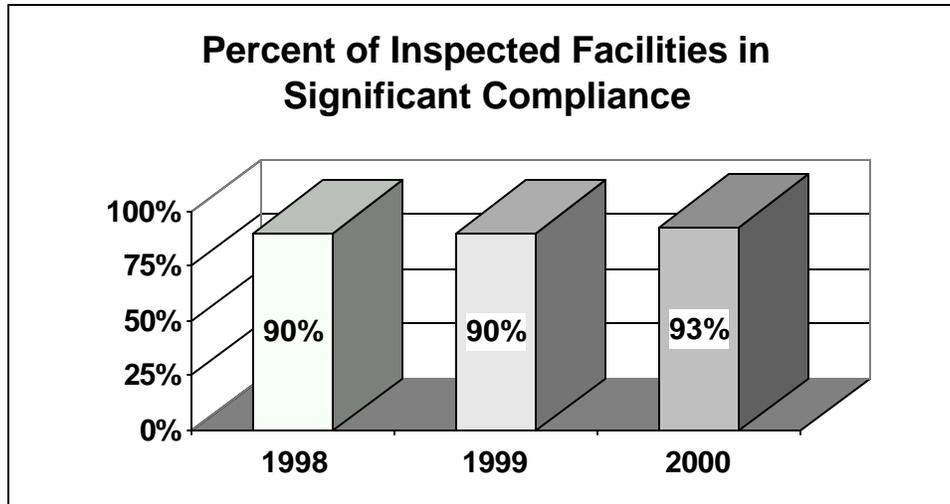
Discharges – Surface Water (Municipal and Industrial) State and NPDES Permits

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued*	245
Number of Permits/Licenses in Effect at Fiscal Year End	1,987
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	972
Number of Inspections, Audits, Spot Checks	**7,024
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	72
% of Inspected Sites/Facilities in Significant Compliance	93%
% of Inspected Sites/Facilities with Significant Violations	7%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	67
Number of Significant Violations Based on Technical/Preventative Deficiencies	5
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	56
Total	128
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	56
Ongoing	72
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	203
Number of Show Cause, Remedial, Corrective Actions Issued	31
Number of Stop Work Orders	0
Number of Injunctions Obtained	2
Number of Penalty and Other Enforcement Actions	65
Number of Referrals to Attorney General for Possible Criminal Action	1
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$1,046,536

* This number includes new permits; and permit renewals, modifications, and conversions.

** This number includes 2,248 inspections and 4,776 DMR reviews.

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



Discharges – Pretreatment (Industrial)

PURPOSE

As part of its responsibility for enforcing federal and State laws and regulations pertaining to the discharge of wastes, MDE is responsible for controlling wastes from industrial and other non-domestic sources discharged into publicly owned treatment works (POTW). In accordance with its authority as delegated by EPA, MDE has delegated responsibility for implementation of a pretreatment program to 17 local pretreatment programs that are responsible for 244 sites. 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 POTW and MDE and then incorporated by reference into the POTW's NPDES permit issued by MDE. Given the fact that the bulk of the responsibility for this program is delegated to POTW's, the enforcement actions and penalties that are pursued and collected in this program are by local government and would not be reflected in MDE's enforcement statistics.

AUTHORITY

FEDERAL: Clean Water Act

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

PROCESS

MDE, through the Pretreatment Program, oversees local pretreatment program implementation. This oversight is performed by the permitting program staff by conducting: 1) pretreatment compliance inspections; 2) audits of pretreatment programs; 3) joint review of industrial user permits; 4) independent and joint industrial inspections with the POTW; 5) review of the monitoring reports from POTW's; or, 6) 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 annual inspections.

Activities for FY2000 show two obvious changes from the preceding year. The difference in the decreased number of inspections from those in FY1999 is that additional "crisis" inspections at certain facilities were required in 1999. The penalties collected in FY 2000 resulted from the increased inspection activities at three companies.

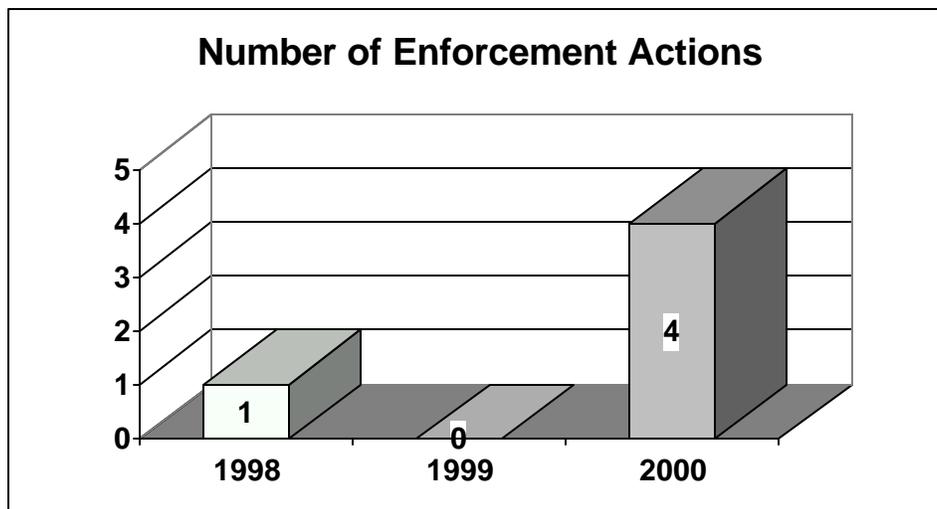
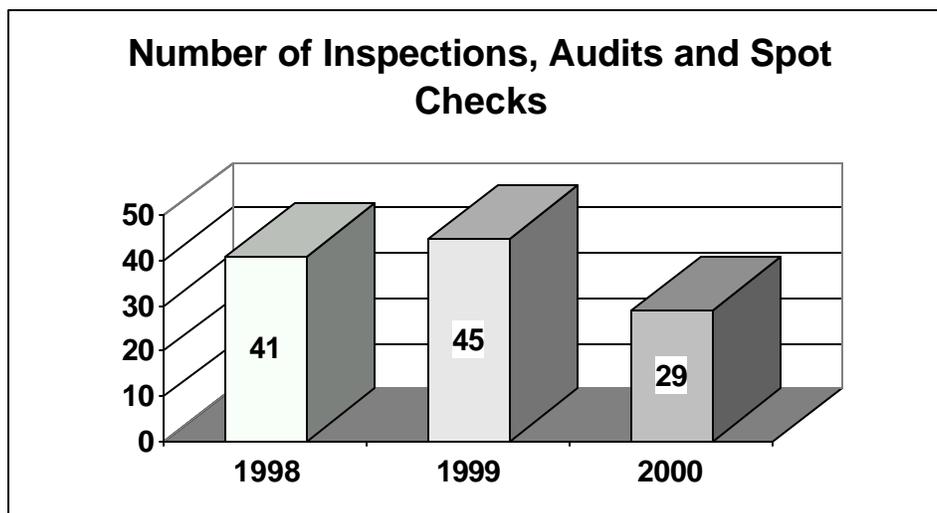
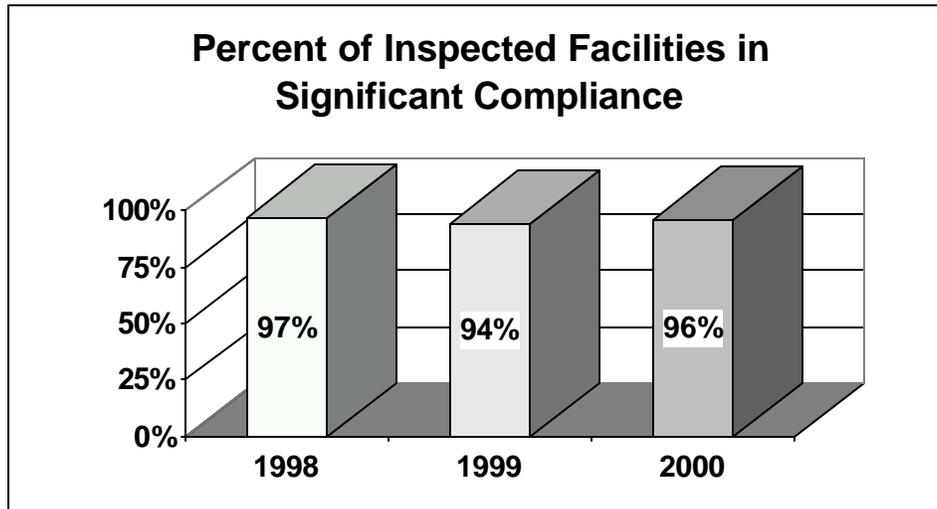
Discharges – Pretreatment (Industrial)

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	1
Number of Permits/Licenses in Effect at Fiscal Year End	4
<u>OTHER REGULATED SITES/FACILITIES</u>	
Publicly Owned Treatment Works (POTWs)	231
Sites at Which Oversight is Delegated to Local Authorities	17
<u>INSPECTIONS</u>	
Number of Sites Inspected	*28
Number of Inspections, Audits, Spot Checks	29
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	1
% of Inspected Sites/Facilities in Significant Compliance	96%
% of Inspected Sites/Facilities with Significant Violations	4%
<u>SIGNIFICANT VIOLATIONS</u>	
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	2
Total	3
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	2
Ongoing	1
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	0
Number of Show Cause, Remedial, Corrective Actions Issued	1
Number of Stop Work Orders	0
Number of Injunctions Obtained	1
Number of Penalty and Other Enforcement Actions**	2
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$150,000

*Includes 16 POTW's and 12 Industrial users.

** Except for 4 MDE permits, enforcement is initiated by delegated POTW .

Discharges – Pretreatment (Industrial)



Stormwater Management and Erosion and Sediment Control for Construction Activity

PURPOSE

The purpose of Maryland's erosion and sediment control program is to lessen the impact to the aquatic environment caused by sediment leaving construction sites. 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 stormwater management and erosion and sediment control plans before construction begins. The purpose of the Maryland's 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. Additionally, for any construction activity that disturbs five or more acres, coverage must be obtained under the Department's general discharge permit for construction activity. The purpose of this permit is to prevent water pollution and streambank erosion caused by excess erosion, siltation, and stormwater flows from construction sites.

The purpose of the federal National Pollutant Discharge Elimination System (NPDES) stormwater program is to control pollution generated from runoff associated with industrial activity and municipal storm sewer systems. Eleven categories of industry and certain sized local governments are required by the Clean Water Act and the U.S. Environmental Protection Agency (EPA) to be permitted under the NPDES stormwater program.

AUTHORITY

FEDERAL: Clean Water Act, Section 402; 40 CFR
STATE: Environment Article, Title 4, Subtitle 1 and Subtitle 2
COMAR 26.17

PROCESS

In 11 counties and 10 municipalities, inspection and enforcement authority for erosion and sediment control has been delegated by the State. State inspections are performed at all construction projects in the 12 non-delegated counties. Inspections at all State and federal projects throughout Maryland are the responsibility of the State inspection program. 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. State inspections of stormwater management facilities are performed only for State and federal projects. Upon issuance of a permit or authorization, whether by the Sediment and Stormwater Permits Division or by the local sediment

control approval authority, 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 much as workload allows. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demands.

As in the previous reports, the Stormwater Management and Erosion and Sediment Control programs have been combined into one table. The rationale for this change is that at the State level, these projects are reviewed and approved as one project. For all state and federally funded projects, plan review and approval for stormwater management and for sediment control is performed by the Nonpoint Source Program, and inspections for stormwater management and sediment control are performed by the Compliance Program. Conversely, all non-state/non-federally funded 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

The Compliance Program's emphasis remained on accounting for sediment control inspections when they were performed in association with the inspection of other media permits. However, even though the Program has focused on sediment control inspections, this was the second year showing a decrease in the number of sites inspected and the number of inspections performed.

In the following table, the 7,089 inspections were performed at 3,252 local erosion and sediment control approvals, while 1,645 inspections were performed at 588 stormwater management approvals.

Stormwater Management and Erosion and Sediment Control for Construction Activity

2000 Totals

PERMITTED SITES/FACILITIES

Number of Permits/Licenses Issued	*643
Number of Permits/Licenses in Effect at Fiscal Year End	9,088

OTHER REGULATED SITES/FACILITIES

none

INSPECTIONS

Number of Sites Inspected	3,840
Number of Inspections, Audits, Spot Checks	8,734

COMPLIANCE PROFILE

Number of Inspected Sites/Facilities with Significant Violations	84
% of Inspected Sites/Facilities in Significant Compliance	98%
% of Inspected Sites/Facilities with Significant Violations	2%

SIGNIFICANT VIOLATIONS

Number of Significant Violations Involving Environmental or Health Impact	36
Number of Significant Violations Based on Technical/Preventative Deficiencies	48
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	19
Total	103

DISPOSITION OF SIGNIFICANT VIOLATIONS

Resolved	66
Ongoing	37

ENFORCEMENT ACTIONS

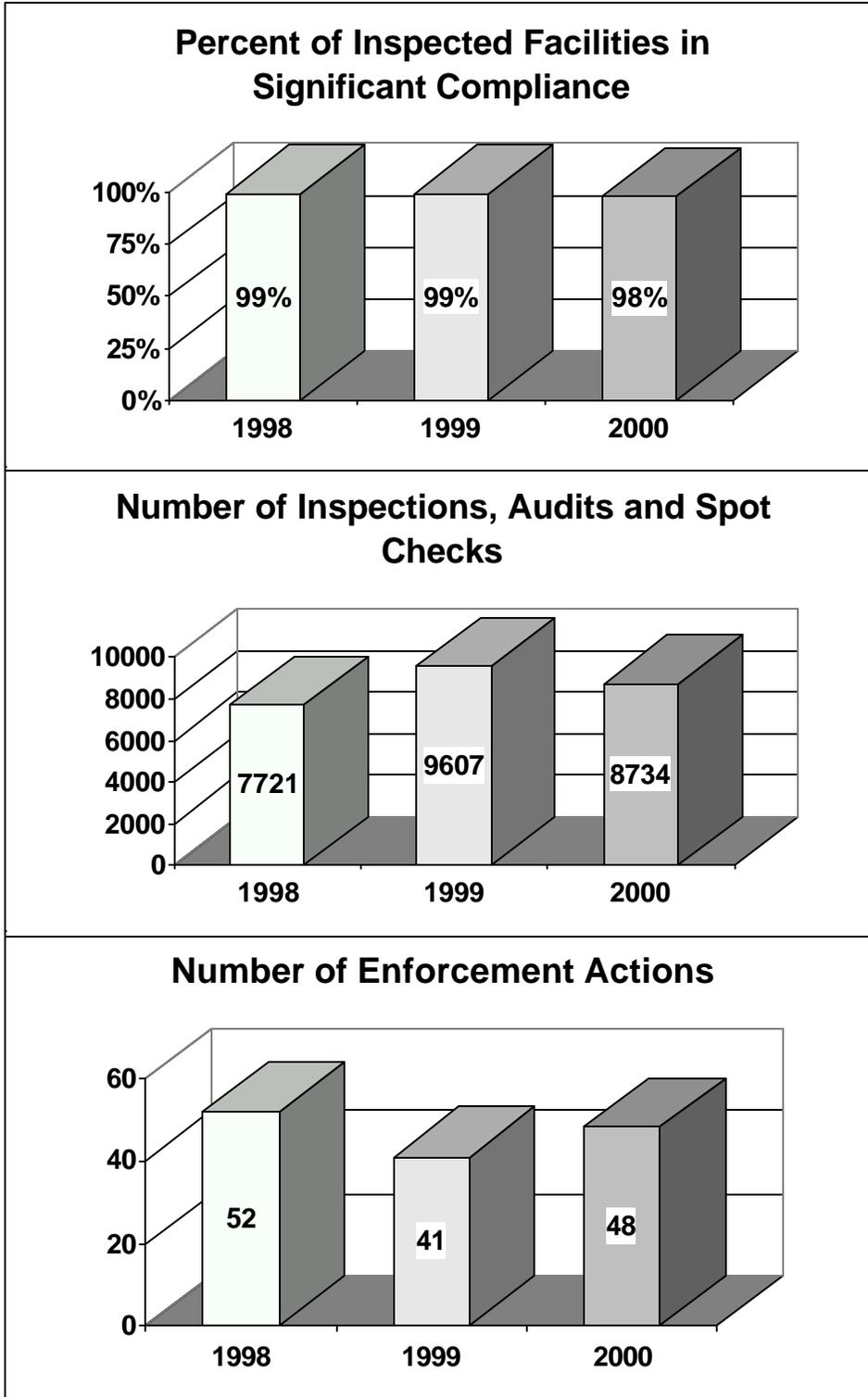
Number of Compliance Assistance Rendered	851
Number of Show Cause, Remedial, Corrective Actions Issued	6
Number of Stop Work Orders	5
Number of Injunctions Obtained	1
Number of Penalty and Other Enforcement Actions	36
Number of Referrals to Attorney General for Possible Criminal Action	1

PENALTIES

Amount of Administrative or Civil Penalties Obtained	\$99,140
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* Includes 356 sites permitted under the Construction General Permit.

Stormwater Management and Erosion and Sediment Control for Construction Activity



Mining – Coal

PURPOSE

A coal-mining permit has been implemented 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. Permits 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.

AUTHORITY

FEDERAL: Surface Mining Control and Reclamation Act of 1977

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

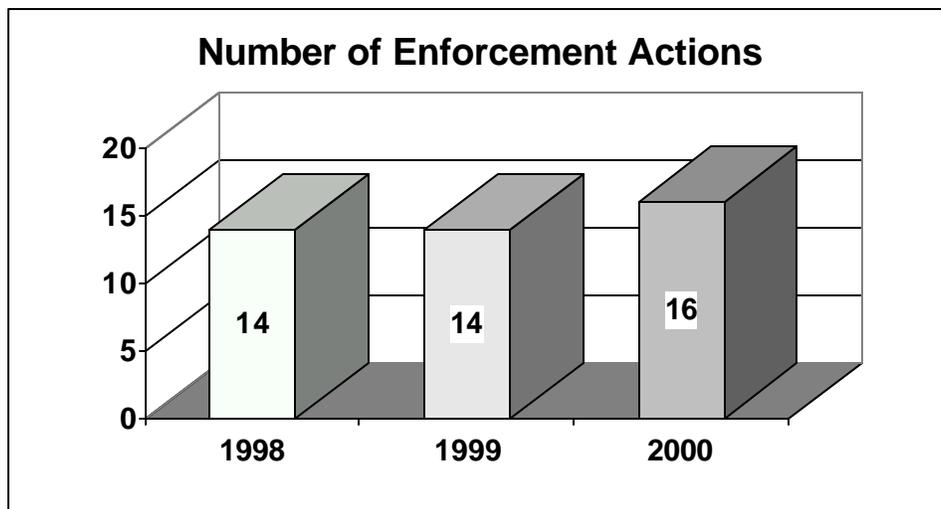
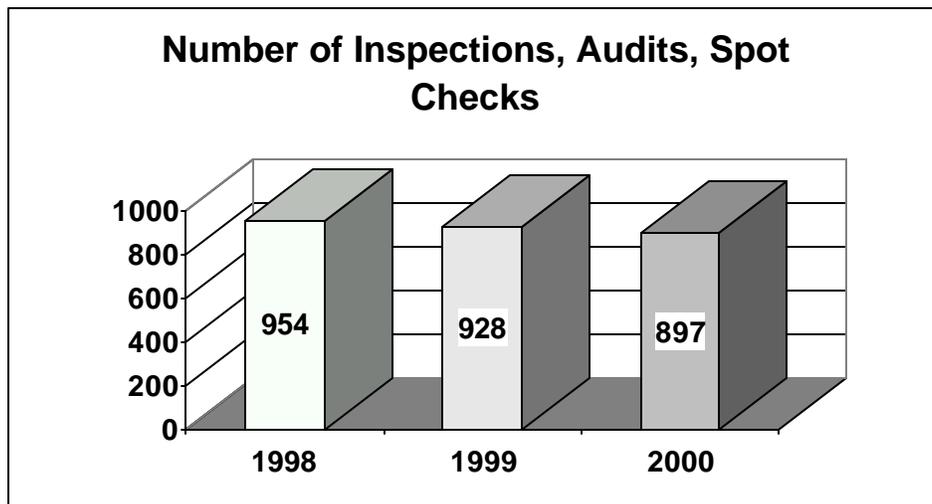
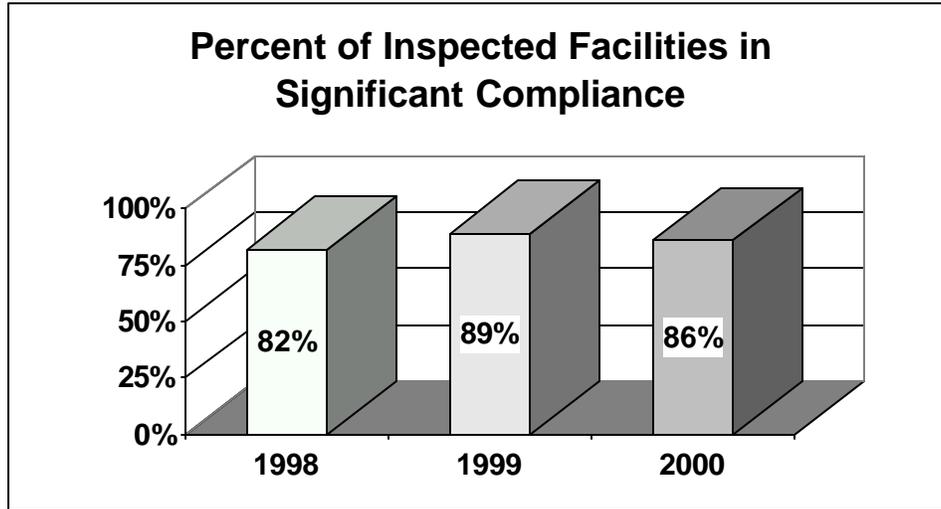
PROCESS

Upon issuance of a permit/license/authorization the file is transferred to the Compliance Program where an inspection priority is assigned. By agreement with the federal Office of Surface Mining, MDE has committed to inspect each permitted facility on a monthly basis. The inspectors then schedule routine inspections of the facilities adhering to the assigned priority as much as workload allows. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demands. After two years of declining permit numbers, the number of coal mining permits has stabilized.

Mining – Coal

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	34
Number of Permits/Licenses in Effect at Fiscal Year End	64
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	64
Number of Inspections, Audits, Spot Checks	897
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	9
% of Inspected Sites/Facilities in Significant Compliance	86%
% of Inspected Sites/Facilities with Significant Violations	14%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	4
Number of Significant Violations Based on Technical/Preventative Deficiencies	9
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	1
Total	14
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	10
Ongoing	4
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	0
Number of Show Cause, Remedial, Corrective Actions Issued	9
Number of Stop Work Orders	4
Number of Injunctions Obtained	1
Number of Penalty and Other Enforcement Actions	2
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$1,050

Mining – Coal



Mining – Non-Coal

PURPOSE

A mining permit has been implemented 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/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 much as workload allows. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demands.

Inspection activities in this program experienced a decrease resulting from the need to train the staff and for them to become proficient in the use of the new inspection report. Inspection staff focused on handling complaints, performing erosion and sediment control inspections, and inspecting discharge permits as per the Department's grant commitment with EPA.

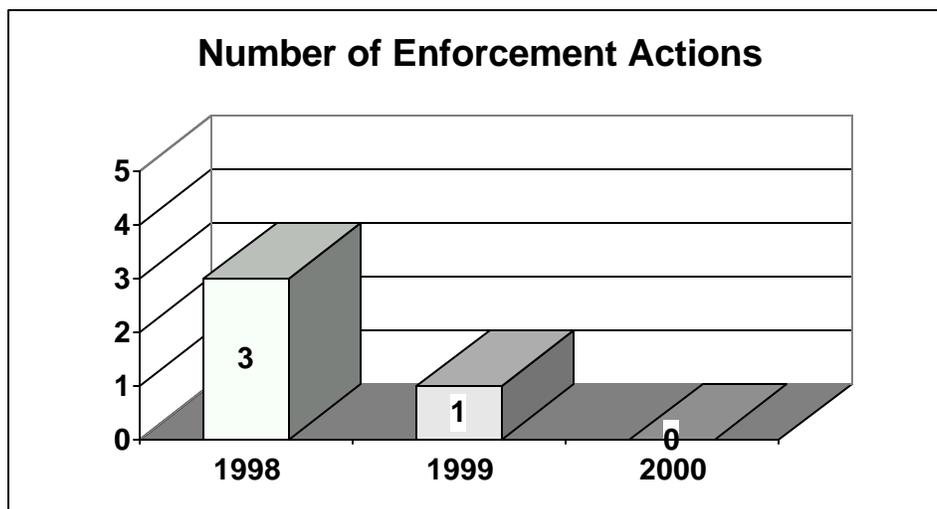
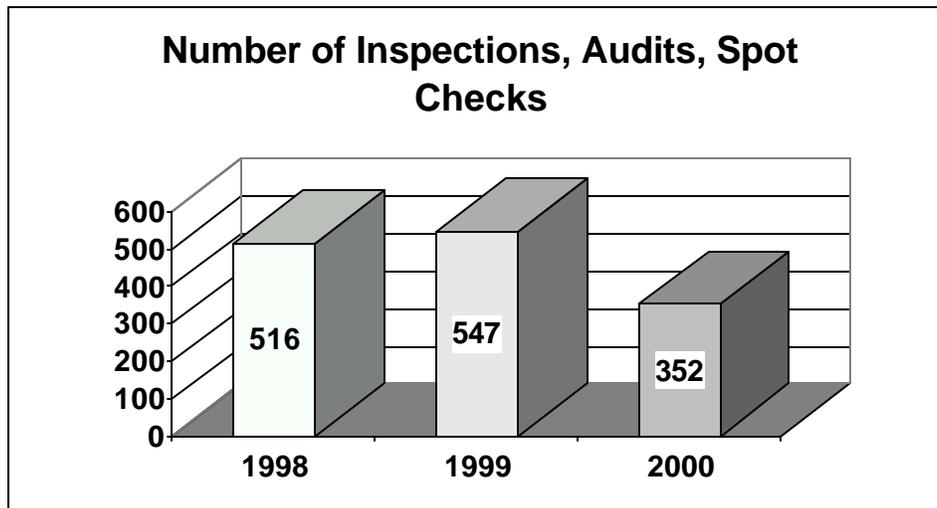
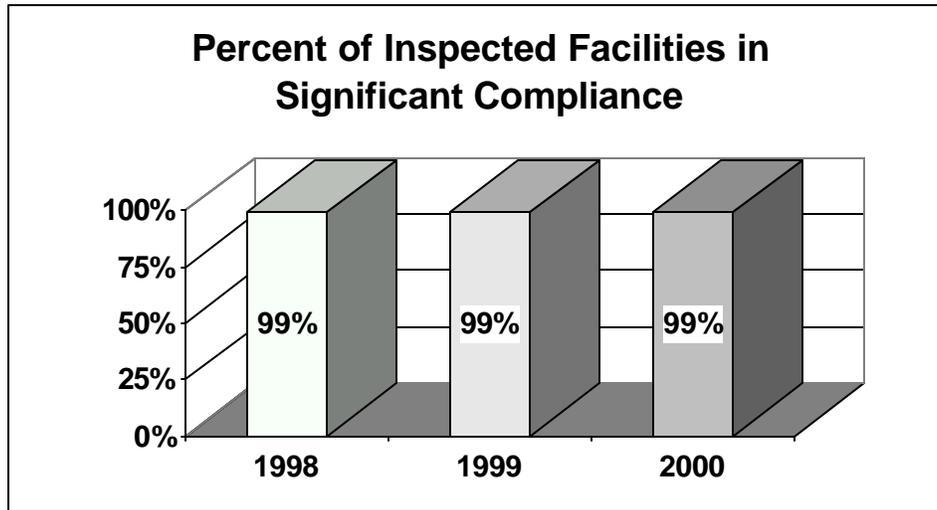
The Department does not have the authority to collect administrative penalties for this program.

Mining – Non-Coal

	<u>2000 totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	*343
Number of Permits/Licenses in Effect at Fiscal Year End	365
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	200
Number of Inspections, Audits, Spot Checks	352
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	2
% of Inspected Sites/Facilities in Significant Compliance	99%
% of Inspected Sites/Facilities with Significant Violations	1%
<u>SIGNIFICANT VIOLATIONS</u>	
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	0
Total	2
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	1
Ongoing	1
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	28
Number of Show Cause, Remedial, Corrective Actions Issued	0
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
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$0

* Includes 75 Permits (New 0; Renewals and Transfers 75); 268 Licenses (New 7; Renewals 261).

Mining – Non-Coal



Oil and Gas Exploration and Production

PURPOSE

The drilling and operation of a gas or oil well requires a permit. The operation of a gas storage facility also requires a permit. Permits are also required for seismic operations. Permits are issued to ensure public safety and to provide for the protection of public and private property. Permitting provides for the use of stringent environmental controls to minimize impacts resulting from the operation.

AUTHORITY

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

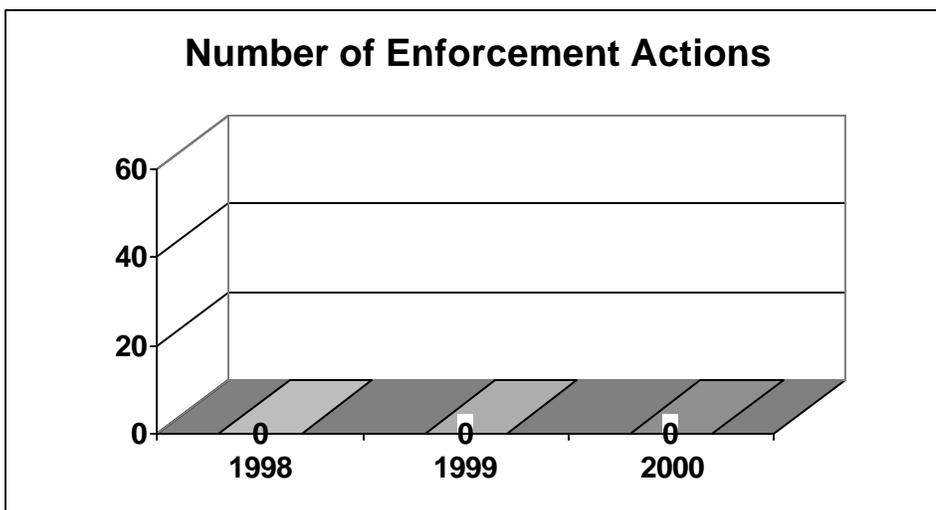
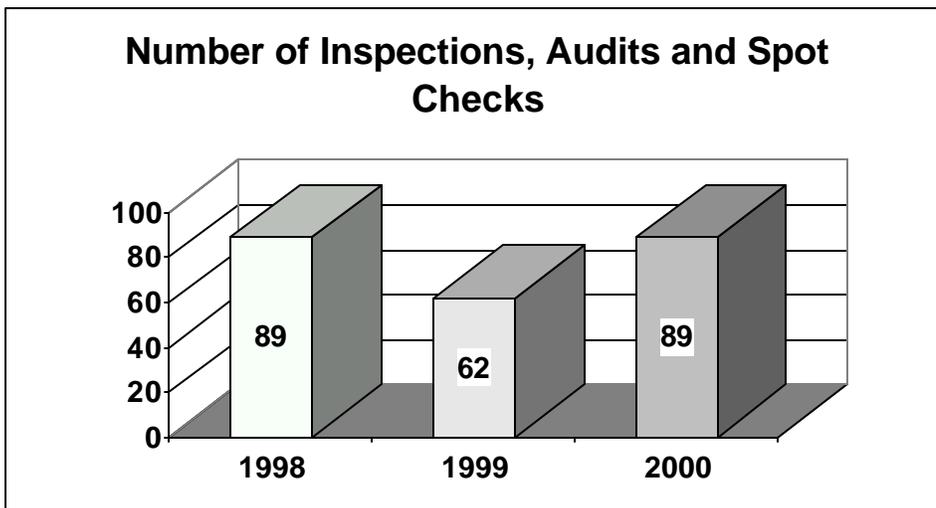
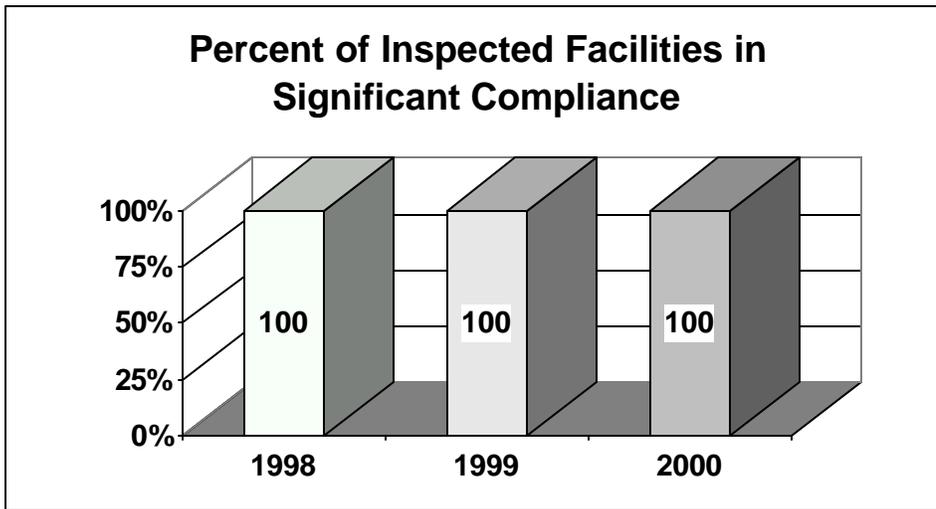
PROCESS

Upon issuance of a permit/license/authorization the file is transferred to the Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities in accordance with the assigned priority. Site inspections may be adjusted to reflect changing workloads or inspection priorities. Inspections performed for this program are typically safety inspections at natural gas storage facilities. The inspections typically verify that proper warning and informational signs are properly placed and that any special conditions specific to the permit are in compliance.

Oil and Gas Exploration and Production

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued (Renewal of Previously Expired Permits)	41
Number of Permits/Licenses in Effect at Fiscal Year End	94
<u>OTHER REGULATED SITES/FACILITIES</u>	
None	
<u>INSPECTIONS</u>	
Number of Sites Inspected	89
Number of Inspections, Audits, Spot Checks	89
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	0
% of Inspected Sites/Facilities in Significant Compliance	100%
% of Inspected Sites/Facilities with Significant Violations	0
<u>SIGNIFICANT VIOLATIONS</u>	
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	0
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	0
Ongoing	0
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	0
Number of Show Cause, Remedial, Corrective Actions Issued	0
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
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$0

Oil and Gas Exploration and Production



Public Drinking Water

PURPOSE

The Water Supply Program ensures that the public drinking water systems provide adequate quality and quantity of water to their users. A combination of State and federal drinking water regulation enforcement, source protection activities, inspections, and technical assistance are used to accomplish this goal. MDE directly regulates community water systems that include municipalities, small private water systems and mobile home parks, and non-transient water systems that include businesses, schools, and day care centers that have their own water supply system.

The local environmental health departments, through delegation agreements, regulate transient systems such as gas stations, campgrounds, and restaurants. In addition to the various inspection and compliance measures listed in the following table, 150 laboratory certifications are performed annually by the Department of Health and Mental Hygiene under contract with MDE.

AUTHORITY

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

STATE: Environment Article, Title 9, Subtitles 2, 4, and 5; COMAR 26.04

PROCESS

A sanitary survey is a comprehensive on-site assessment of all water system components that include the water source, treatment unit processes, equipment, operations, and maintenance of a public water supply system. The survey is conducted for the purpose of determining the adequacy and reliability of the water system to provide safe drinking water to its customers. Sanitary surveys can be used to follow up known or suspected problems or on a routine basis to assess the water system's viability and prevent future problems from occurring. In the Water Supply Program, emphasis is placed on preventative measures instead of reactive enforcement actions in order to avert serious public health incidents. The vast majority of drinking water violations are corrected immediately or following issuance of Notice of Violation public notices.

The Water Supply Program negotiated delegation agreements with 21 out of 23 county health departments. These agreements provide for the funding and monitoring requirements for transient public water systems. The increased effort has improved oversight of the small water systems and resulted in the identification of additional public water systems. The transient programs for Prince George's and Wicomico Counties are directly implemented by MDE. The total number of inspections, audits, and spot checks increased from the previous year to 31,382 with the addition of the transient program.

In 2000, the Water Supply Program began a review of federal regulations for incorporation into State regulations. Four major regulations will be adopted in 2001 based on final rules adopted by the Environmental Protection Agency. Training and material will be provided to the public water systems that are impacted.

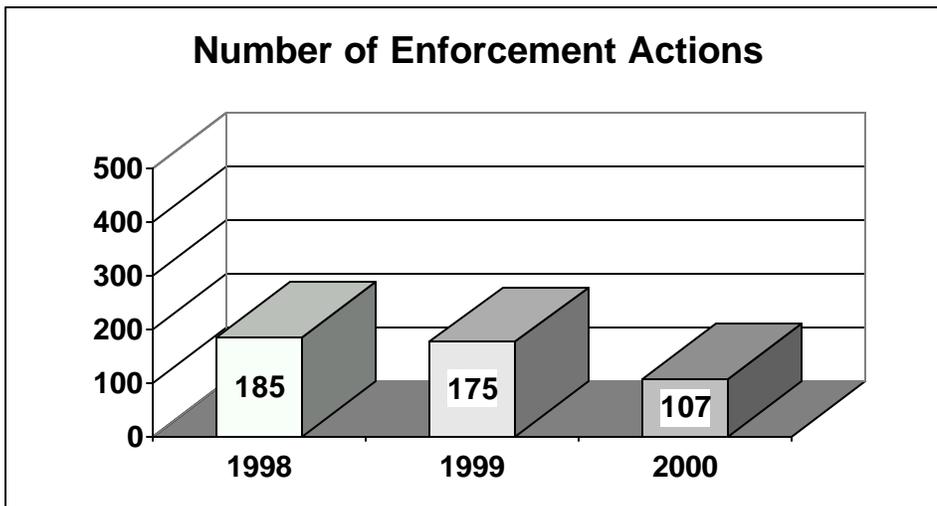
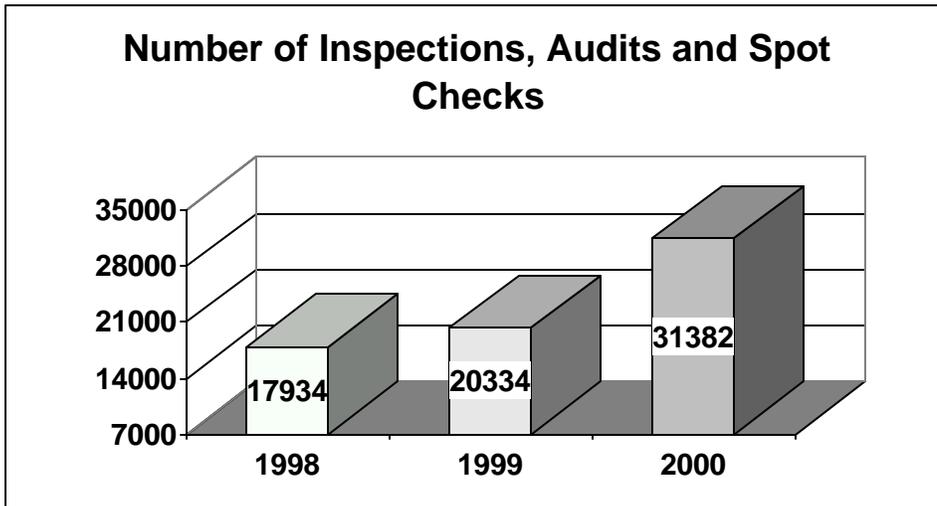
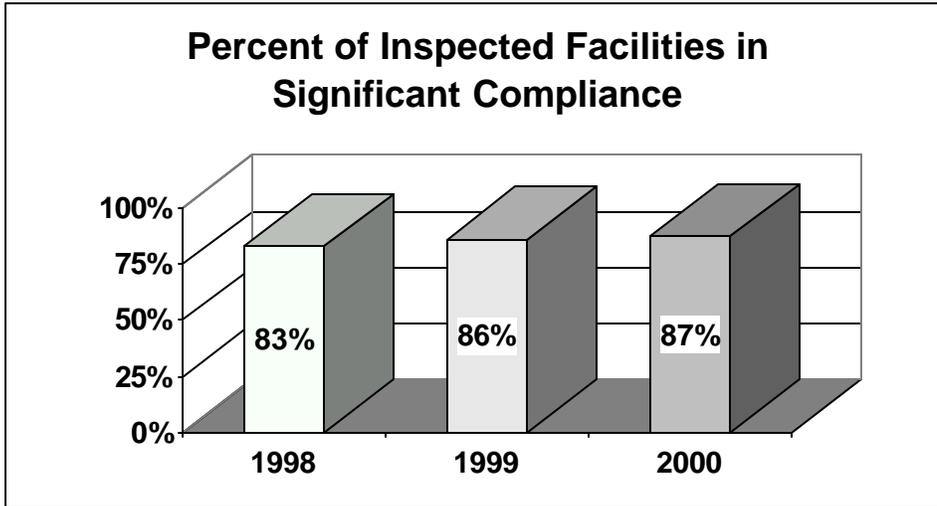
Public Drinking Water

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	814
Number of Permits/Licenses in Effect at Fiscal Year End	2,519
<u>OTHER REGULATED SITES/FACILITIES</u>	
Number of Community and Non-transient Non-community Water Systems	1,084
Note: Includes 511 community water systems and 573 non-transient non-community water systems. Local health departments regulate over 2,741 transient water systems with financial support from MDE.	
<u>INSPECTIONS</u>	
Number of Sites Inspected	1,084
Number of Inspections, Audits, Spot Checks *	31,382
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	141
% of Sites/Facilities in Significant Compliance	87%
% of Sites/Facilities with Significant Violations	13%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	33
Number of Significant Violations Based on Technical/Preventative Deficiencies	67
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	41
Total	141
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	87
Ongoing	54
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered **	1,119
Number of Show Cause, Remedial, Corrective Actions Issued	1
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	106
Notices Given to Public by Water Systems Under Section 9-410	117
Number of Referrals to Attorney General for Possible Criminal Action	0
<u>PENALTIES</u>	
Amount of Penalties Obtained	\$0

*This number includes audits and reports submitted for transient water systems in 2000. This is a new initiative funded through the Drinking Water State Revolving Fund set-asides.

**This number includes actions to prevent public water system contamination.

Public Drinking Water



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 on sound engineering principles and comply with State design guidelines to protect water quality and public health. Water and sewerage construction permits are required before materially 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 help to ensure conformity with the Governor's Smart Growth Policy, as before these permits can be issued they must be included in local water and sewerage plans and local water/sewerage plans must be consistent with County Comprehensive Land Use Plans.

AUTHORITY

STATE: Environment Article, Title 9, Subtitles 2 and 5; 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 in accordance with 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 the Department. Other approvals associated with the construction (i.e. sediment control, wetlands, etc.) are inspected under those media and by those inspectors. This program does not have authority to pursue traditional enforcement actions. For projects receiving funding from the Department, 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 an inability of the facility to meet its environmental standards (e.g. discharge permit requirements, drinking water standards, etc.). At that time, traditional enforcement tools available under the discharge permit program would be utilized.

Water Supply and Sewerage Construction

2000 Totals

PERMITTED SITES/FACILITIES

Number of Permits/Licenses Issued	120
Number of Permits/Licenses in Effect at Fiscal Year End	486

OTHER REGULATED SITES/FACILITIES

None

INSPECTIONS

Number of Sites Inspected	293
Number of Inspections, Audits, Spot Checks	841

COMPLIANCE PROFILE

Number of Inspected Sites/Facilities with Significant Violations	0
% of Inspected Sites/Facilities in Significant Compliance	100%
% of Inspected Sites/Facilities with Significant Violations	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	0

DISPOSITION OF SIGNIFICANT VIOLATIONS

Resolved	0
Ongoing	0

ENFORCEMENT ACTIONS *

Number of Compliance Assistance Rendered **	0
Number of Show Cause, Remedial, Corrective Actions Issued	0
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

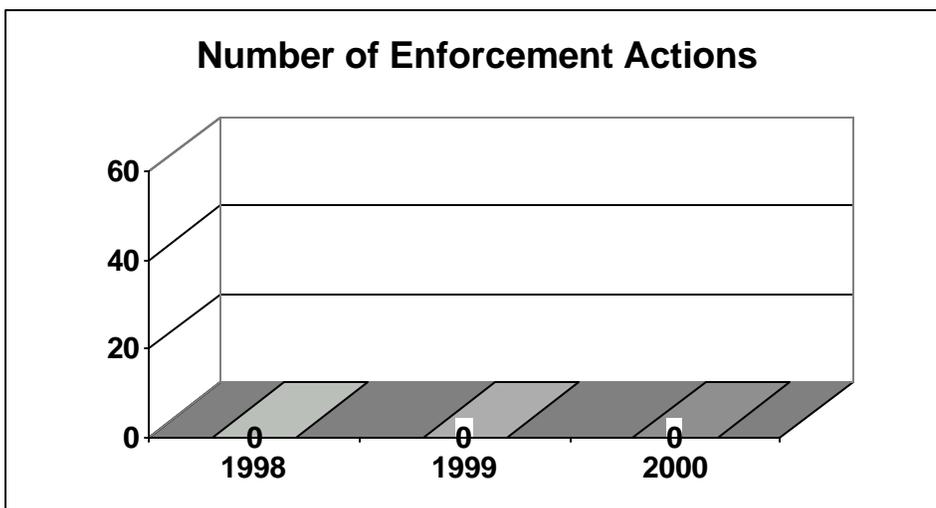
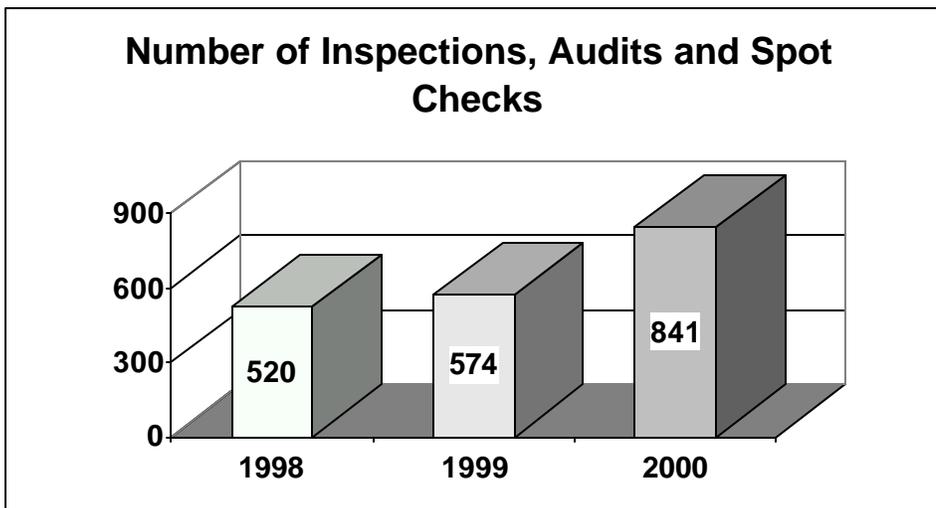
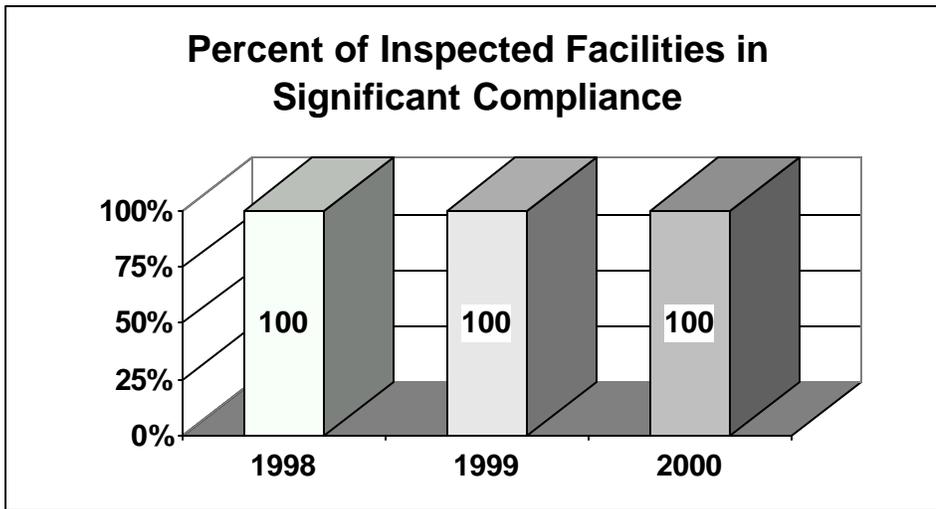
PENALTIES

Amount of Administrative or Civil Penalties Obtained	\$0
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*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.

** In 1999 and the years prior, the Program had previously counted inspections, audits, and spot checks for those projects under a formal enforcement action as a "Compliance Assistance" activity. As stated above, given the Program's lack of authority for traditional enforcement action, beginning in FY 2000, all Inspections, Audits, and Spot Checks conducted by this Program are now totaled under "Inspections". This change in reporting methodology in FY 2000 results in "0" Compliance Assistance activities being reported and a higher number of inspections. The total number of inspections varies with the number of permits issued, when projects initiate and complete construction, and the complexity of the project and any difficulties encountered.

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.

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. 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, intermediate hazard (failure will likely cause significant property damage and damage to important infrastructure) dams every three years and low hazard dams are inspected once every 5-7 years. 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 that repairs or other action be taken to assure the safety of the dam.

The Department does not have the authority to collect administrative penalties for this program.

Waterway Construction – Dam Safety

2000 Totals

PERMITTED SITES/FACILITIES

Number of Permits/Licenses Issued	23
Number of Permits/Licenses in Effect at Fiscal Year End	430

OTHER REGULATED SITES/FACILITIES

None

INSPECTIONS

Number of Sites Inspected	301
Number of Inspections, Audits, Spot Checks	*368

COMPLIANCE PROFILE

Number of Inspected Sites/Facilities with Significant Violations	14
% of Inspected Sites/Facilities in Significant Compliance	95%
% of Inspected Sites/Facilities with Significant Violations	5%

SIGNIFICANT VIOLATIONS

Number of Significant Violations Involving Environmental or Health Impact	0
Number of Significant Violations Based on Technical/Preventative Deficiencies	14
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	8
Total	22

DISPOSITION OF SIGNIFICANT VIOLATIONS

Resolved	11
Ongoing	11

ENFORCEMENT ACTIONS

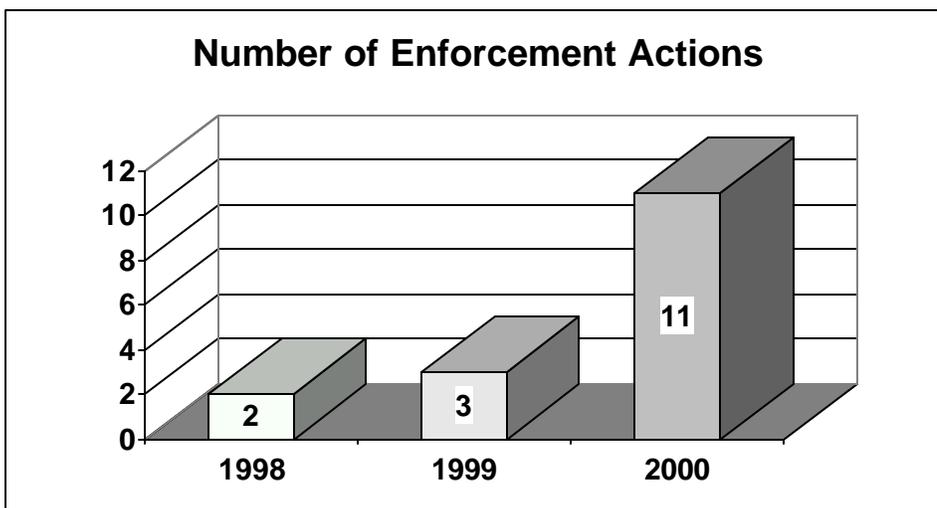
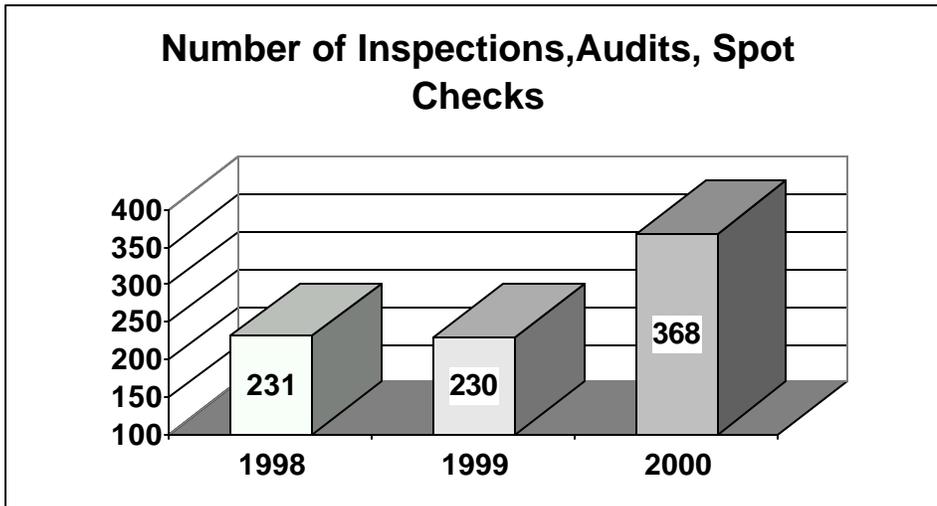
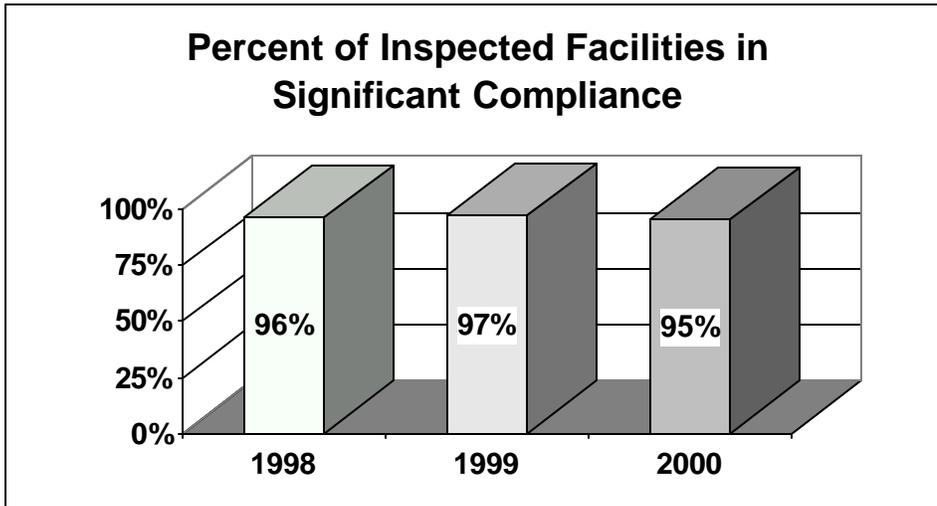
Number of Compliance Assistance Rendered	157
Number of Show Cause, Remedial, Corrective Actions Issued	10
Number of Stop Work Orders	0
Number of Injunctions Obtained	0
Number of Penalty and Other Enforcement Actions	1
Number of Referrals to Attorney General for Possible Criminal Action	0

PENALTIES

Amount of Administrative or Civil Penalties Obtained	\$0
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* Includes 23 Inspections by the Compliance Program.

Waterway Construction – Dam Safety



Wetlands and Waterways Nontidal and Floodplain

PURPOSE

The goal of the Nontidal Wetlands Protection Act is to attain no net loss in nontidal wetland acreage and to strive for a net resource gain in nontidal wetlands over present conditions. This is to be accomplished by preventing further degradation and losses of nontidal wetlands due to human activity, and by offsetting unavoidable losses or degradations through the deliberate restoration or creation of nontidal wetlands through the Nontidal Wetlands Compensation Fund. Any individual or entity planning grading or filling, excavating or dredging, changing existing drainage patterns, disturbing the water level or water table, or destroying or removing vegetation in a nontidal wetland must obtain a permit or authorization for the proposed activity.

A person is required to obtain a permit from MDE in order to change the course, current, or cross-section of a nontidal stream or body of water, including the 100-year floodplain. Any individual or entity planning to construct, reconstruct, repair or maintain any development within the stream or its 100-year floodplain is required to get a permit. Proposals are evaluated for impacts to the floodplain, public safety and welfare, and the environmental resources of the State of Maryland.

AUTHORITY

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

PROCESS

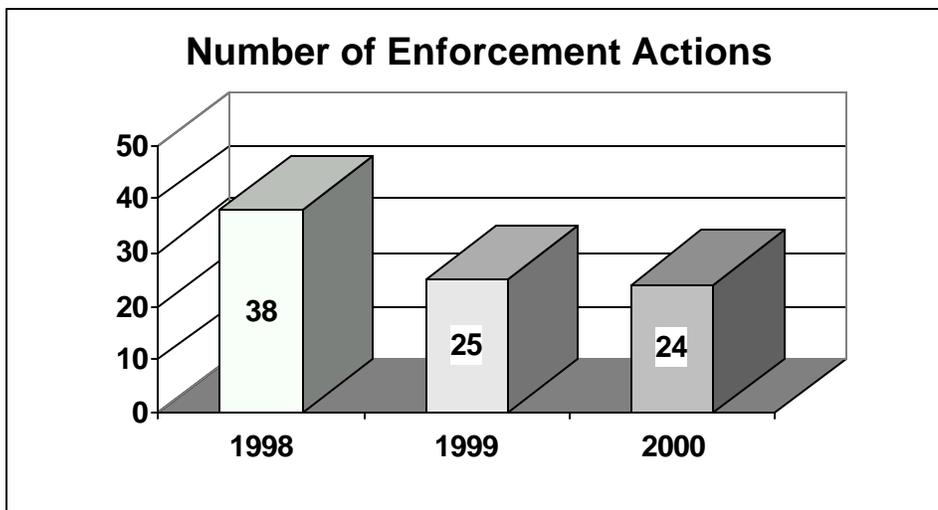
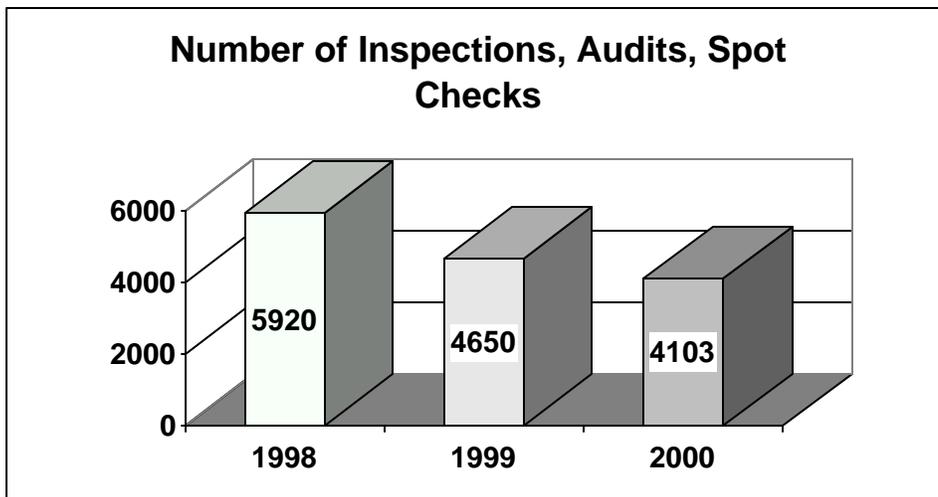
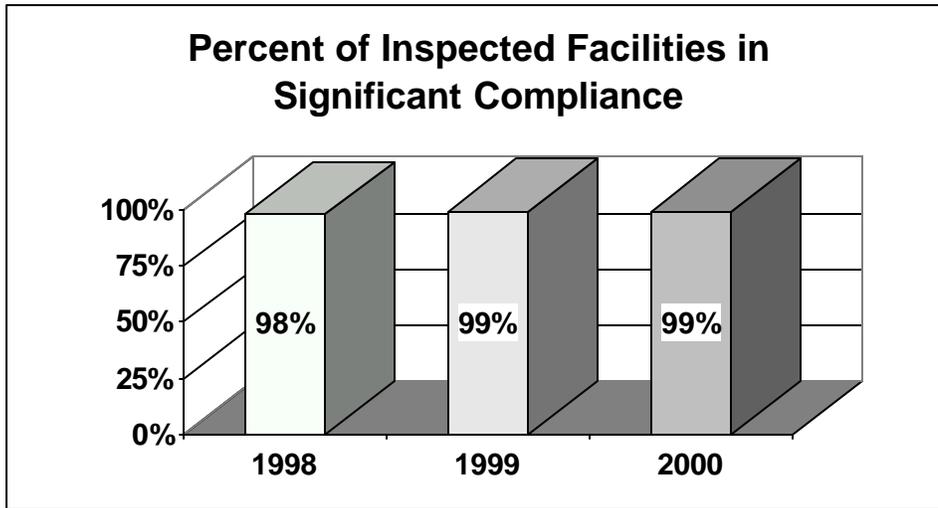
Upon issuance of a permit/license/authorization the file is transferred to the Compliance Program where an inspection priority is assigned. The inspectors then schedule routine inspections of the facilities adhering to the assigned priority as much as workload allows. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demands. Inspections are performed to verify that the projects are in accordance with the authorization. Because a site may involve nontidal wetland and/or 100-year floodplain impacts, inspections evaluate whether all the resultant construction impacts are in accordance with the permits. Case by case, this may involve identifying or verifying a nontidal 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.

The Department does not have the authority to collect administrative penalties for this program.

Wetlands and Waterways Nontidal and Floodplain

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	821
Number of Permits/Licenses in Effect at Fiscal Year End	3,050
<u>OTHER REGULATED SITES/FACILITIES</u>	
none	
<u>INSPECTIONS</u>	
Number of Sites Inspected	2,066
Number of Inspections, Audits, Spot Checks	4,103
<u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	29
% of Inspected Sites/Facilities in Significant Compliance	99%
% of Inspected Sites/Facilities with Significant Violations	1%
<u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	13
Number of Significant Violations Based on Technical/ Preventative Deficiencies	16
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	15
Total	44
<u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	26
Ongoing	18
<u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	283
Number of Show Cause, Remedial, Corrective Actions Issued	1
Number of Stop Work Orders	1
Number of Injunctions Obtained	1
Number of Penalty and Other Enforcement Actions	21
Number of Referrals to Attorney General for Possible Criminal Action	1
<u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$3,000

Wetlands and Waterway – Nontidal and Floodplain



Wetlands – Tidal

PURPOSE

Tidal wetlands are open water and vegetated estuarine systems affected by the rise and fall of tide. The goal of the Wetlands and Riparian Rights Act is to preserve tidal wetlands and prevent their despoliation and destruction. The Program strives for a net resource gain in wetland area over present conditions. This is to be accomplished by preventing further degradation and losses of tidal wetlands due to human activity, and by offsetting unavoidable losses or degradations through the deliberate restoration or creations of tidal wetlands through the Tidal Wetland Compensation Fund.

Authorizations, in the forms of licenses and permits, are required to minimize impacts to aquatic resources and tidal wetlands from dredging, filling, the construction of bulkheads, and other related activities.

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 much as workload allows. At any time during the process, the inspection frequency can be adjusted as site conditions or workload demands. 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.

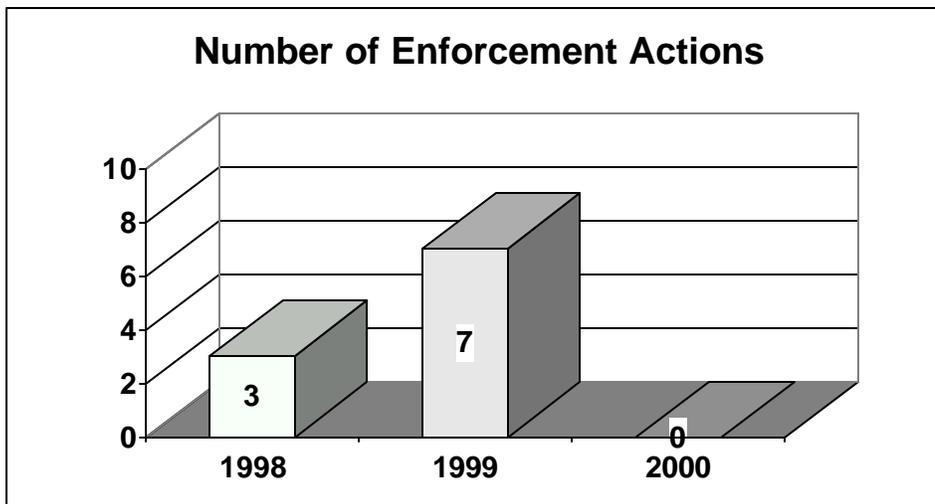
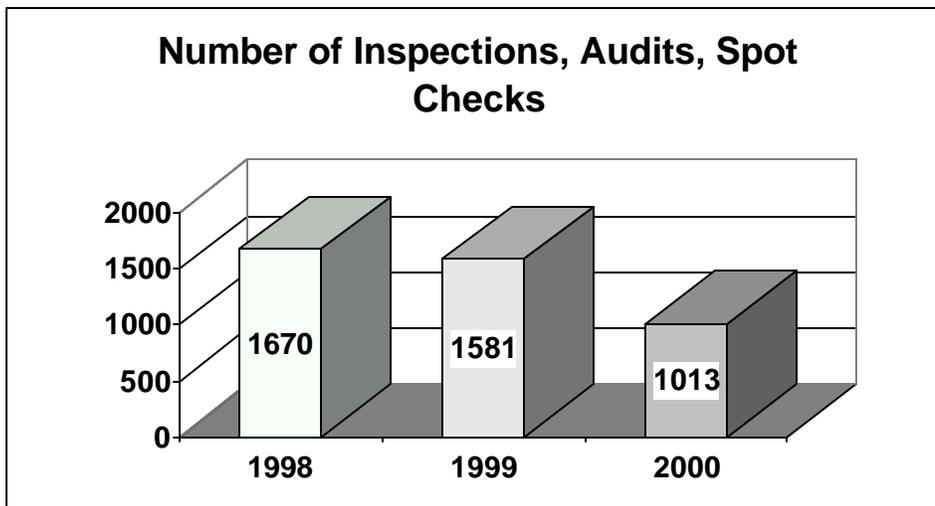
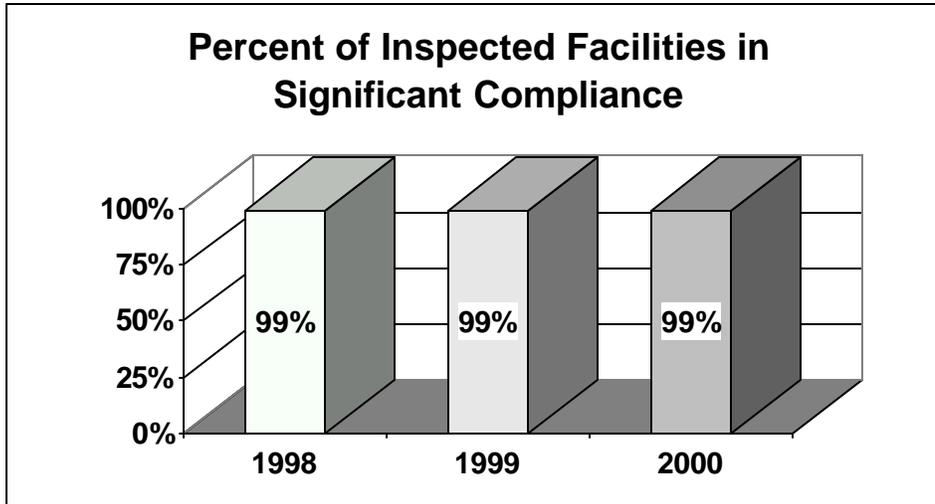
Inspection activities in this program experienced a decrease resulting from the need to train the staff and for them to become proficient in the use of the new inspection report. Inspection staff focused on handling complaints, performing erosion and sediment control inspections, and inspecting discharge permits as per the Department's grant commitment with EPA.

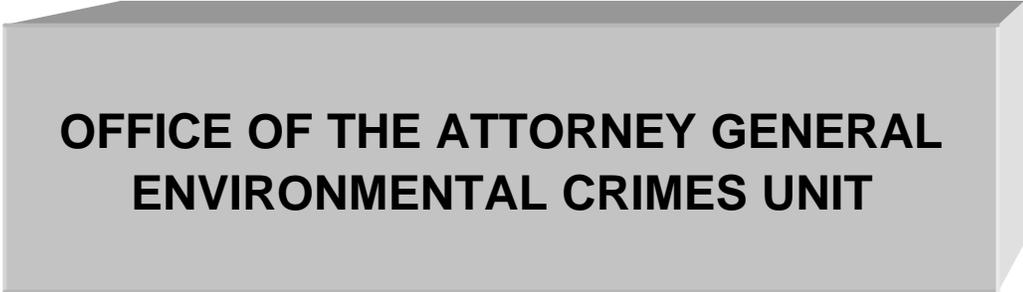
The Department does not have the authority to collect administrative penalties for this program.

Wetlands – Tidal

	<u>2000 Totals</u>
<u>PERMITTED SITES/FACILITIES</u>	
Number of Permits/Licenses Issued	2,178
Number of Permits/Licenses in Effect at Fiscal Year End	5,810
<u>OTHER REGULATED SITES/FACILITIES</u>	
none	
 <u>INSPECTIONS</u>	
Number of Sites Inspected	770
Number of Inspections, Audits, Spot Checks	1,013
 <u>COMPLIANCE PROFILE</u>	
Number of Inspected Sites/Facilities with Significant Violations	8
% of Inspected Sites/Facilities in Significant Compliance	99%
% of Inspected Sites/Facilities with Significant Violations	1%
 <u>SIGNIFICANT VIOLATIONS</u>	
Number of Significant Violations Involving Environmental or Health Impact	2
Number of Significant Violations Based on Technical/Preventative Deficiencies	6
Number of Significant Violations Carried Over Awaiting Disposition from Previous Fiscal Year	5
Total	13
 <u>DISPOSITION OF SIGNIFICANT VIOLATIONS</u>	
Resolved	9
Ongoing	4
 <u>ENFORCEMENT ACTIONS</u>	
Number of Compliance Assistance Rendered	65
Number of Show Cause, Remedial, Corrective Actions Issued	0
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
 <u>PENALTIES</u>	
Amount of Administrative or Civil Penalties Obtained	\$0

Wetlands – Tidal





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

PURPOSE

The Attorney General's Environmental Crimes Unit (ECU) is a criminal investigation and prosecution unit under the direction of the Criminal Investigations Division of the Attorney General's Office. ECU utilizes the prosecutorial authority of the Attorney General, the investigative and law enforcement authority of Maryland State Troopers assigned to the Unit and the environmental expertise of MDE. ECU investigates environmental violations and, when appropriate, files criminal charges, prosecuting both corporate and individual offenders. In the grand scheme of MDE's enforcement efforts, from a merely statistical standpoint, ECU is but a small part. However, in the range of enforcement options, ECU can be a very effective and vital tool.

ECU's mission in protecting the quality of Maryland's air, land and water resources dovetails with the MDE enforcement mission. ECU's mission, like MDE's, covers the entirety of the State. However, ECU's statewide mission is carried out with a staff that amounts to a tiny fraction of the workforce that MDE dedicates to enforcement. With a total staff of eight, six of whom (3 investigators and 3 prosecutors) are directly involved in the criminal enforcement work of the unit, ECU must tailor its mission to get the most out of its limited resources. ECU operates from the perspective that criminal enforcement is usually the enforcement choice of last resort. It is applied to the worst and most recalcitrant offenders, where the prospect of imprisonment and/or being stigmatized by a criminal conviction must be resorted to in order to protect the quality of Maryland's air, land, and water resources.

AUTHORITY

STATE: The Attorney General has the general authority under Article V, Section 3 of the Constitution of Maryland to investigate and prosecute crimes as directed by the Governor or a law of the General Assembly. The General Assembly, through several provisions in the *Environment Article*, authorizes the Attorney General to criminally prosecute violations of specific statutes in the Article.

PROCESS

The ECU receives complaints calling for possible investigation from three basic sources: the MDE Administrations, members of the general public, and other governmental and law enforcement agencies. Complaints are initially reviewed by an ECU prosecutor to assess the presence of factors indicating possible criminal intent. Complaints where such factors may be found are then passed on 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.

CHART 1 shows the number of investigations conducted by ECU during FY 00, as well as the source of the complaints leading to the investigations.

INVESTIGATIONS OPENED - FY '00		
SOURCE OF COMPLAINTS		INVESTIGATIONS OPENED
M D E	ARMA	0
	TARSA	5
	WAS	9
	WMA	1
	OS/CO	1
TOTAL FROM MDE		16
OTHER SOURCES		25
TOTAL		41

The MDE administrations ARMA, WAS, and WMA have traditional enforcement components within their respective programs. TARSA and OS/CO do not. TARSA's Emergency Response Program often responds to situations that Emergency Response personnel assess and determine may warrant possible criminal investigation.

CHART 2 shows the number of cases prosecuted by ECU during FY 00. The chart distinguishes between the number of cases where prosecution was commenced during FY 00 by the filing of criminal charges and the number of cases reaching courtroom conclusion during FY 00. In prosecuting criminal cases, it is not uncommon for charges in a case to be filed during one fiscal year and for the case to be concluded during a subsequent fiscal year. Additionally, charges may be formally filed in a subsequent fiscal year from when the investigation was opened by ECU.

PROSECUTIONS - FY '00			
	SOURCE OF COMPLAINT	NO. OF CASES FILED	NO. OF CASES CONCLUDED*
M D E	ARMA	3	0
	TARSA	8	9
	WAS	2	5
	WMA	3	3
	OS/CO	0	0
	TOTAL FROM MDE	16	17
	OTHER SOURCES	7	14
	TOTAL	23	31

*Cases concluded in one FY may have been filed in a previous FY.

CHART 3 shows the penalties imposed by Judges in those cases concluded in court during FY '00.

FY '00 PROSECUTIONS CASE DISPOSITION STATISTICS							
CASE TYPE	NO. OF CASES CONCLUDED IN COURT	FINES, RESTITUTION, ENVIRONMENTAL PROJECT COSTS		JAIL TIME		PROBATION (YEARS)	COMMUNITY SERVICE (HOURS)
		Imposed	To Be Paid	Imposed	To Be Served		
AIR	1	\$10,000	\$5,000	12 mos.	0	1 yr.	40
WASTE	17.5*	\$185,100	\$65,100	90 mos.	6 mos./1 day	16 yrs.	620
WATER	12.5*	\$68,500	\$38,000	13 mos.	16 days	11.7 yrs.	470
TOTAL	31**	\$263,600	\$108,100	115 mos.	6 mos./17days	28.7 yrs.	1130

**1 Case – Guilty 2 Counts; Waste & Water*

***Includes: 5 Nolle Prossed; 1 Dismissal*

Air: Title 2; 6 || **Waste:** Title 4; 7; Art. 27, Sect. 468 || **Water:** Title 4; 5; 9; 13; 16

CHART 4. The Report of Enforcement Activities required by §1-301(d) of the *Environment Article* requires the reporting of information regarding criminal cases prosecuted under specified provisions of the *Environment Article*. While reflecting all ECU activity for the fiscal year, the shaded areas of this chart reflect the required specified information.

Yearly Totals – FY 2000	Title 2		Title 4		Title 5		Title 6			Title 7	
	Subtitle 4	Other	Subtitle 4	Other	Subtitle 9	Other	Subtitle 4	Subtitle 8	Other	Subtitle 2	Other
Number of Criminal Cases Filed (*See Note and Counts Filed)											
Number of Criminal Cases Concluded in Court (*See Note)		1								5.5	
Number of Convictions Obtained (*See Note)		1								4.5	
Amount of Imprisonment Time Ordered (Months)		12								12	
Amount of Imprisonment Time To Be Served (Days)										1	
Amount of Probation (Years)		1								6	
Amount of Community Service (Hours)		40									
Amount of Criminal Fines, Restitution & Clean-Up Costs Imposed		10,000								83,500	
Amount of Criminal Fines, Restitution & Clean-Up Costs To Be Paid		5,000								32,500	

*Note - A single case may involve charges from any number of the various titles (The next three rows show the number of charge counts filed, concluded & convicted.)

Number of Criminal Charges (Counts) Filed		5								12	
Number of Criminal Charges (Counts) Concluded in Court		1	4							9	
Number of Criminal Charges (Counts) Convicted		1								5	

Shaded Areas – Requested Under §1-301(d)
Title 2 - Ambient Air Quality Control
Title 4 - Water Management/Waste Management
Title 5 - Water Resources
Title 6 - Toxic, Carcinogenic & Flammable Substances
Title 7 - Hazardous Materials and Hazardous Substances

CHART 4. Continued

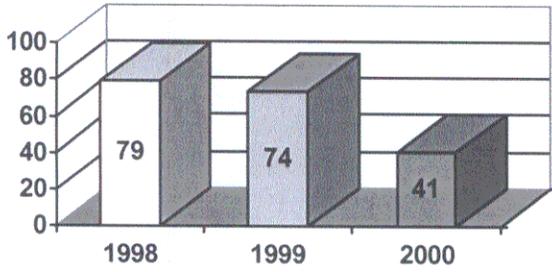
Yearly Total - FY 2000	Title 9				Title 13	Title 16	Art. 27 Sect. 468	Other	Totals
	Subtitle 2	Subtitle 3	Subtitle 4	Other					
Number of Criminal Cases Filed (*See Note and Counts Filed)									23
Number of Criminal Cases Concluded in Court (*See Note)		11.5			1		12		31
Number of Convictions Obtained (*See Note)		10.5			1		8		25
Amount of Imprisonment Time Ordered (Months)		13					78		115 Mos.
Amount of Imprisonment Time To Be Served (Days)		16					180		197 Days
Amount of Probation (Years)		13			0.7		8		28.7 Yrs.
Amount of Community Service (Hours)		420			50		620		1130 Hrs.
Amount of Criminal Fines, Restitution & Clean-Up Costs Imposed		129,500			500		40,100		\$263,600
Amount of Criminal Fines, Restitution & Clean-Up Costs To Be Paid		51,000			500		19,600		\$108,100

*Note - A single case may involve charges from any number of the various titles (The next three rows show the number of charge counts filed, concluded & convicted.)

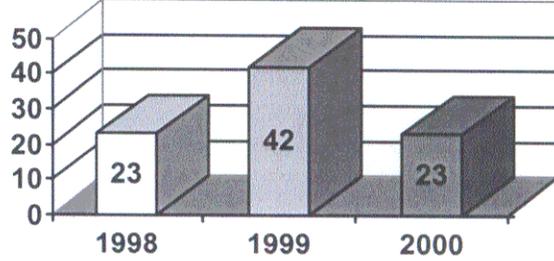
Number of Criminal Charges (Counts) Filed		7			1		6		31
Number of Criminal Charges (Counts) Concluded in Court		10	4		1		53		82
Number of Criminal Charges (Counts) Convicted		7	4		1		9		27

Shaded Areas - Requested Under 51-301(f)
Title 9 - Water, Ice, and Sanitary Facilities
Title 13 - Well Drillers
Title 16 - State Wetlands
Art. 27, Sect. 468 - Litter Control Law

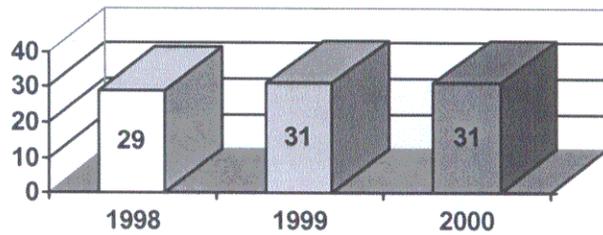
Investigations



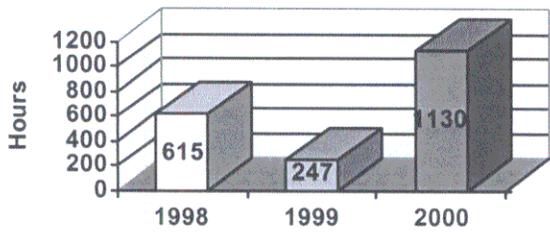
Number of Cases Filed in Court



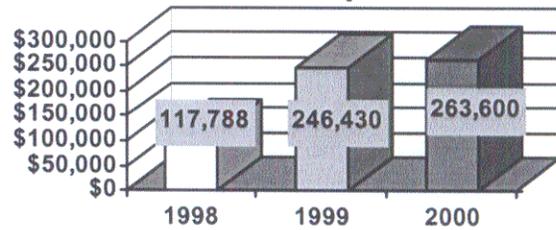
Number of Cases Concluded in Court



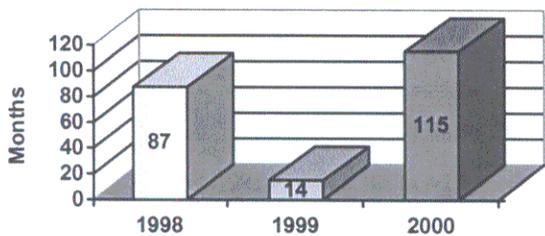
Community Service



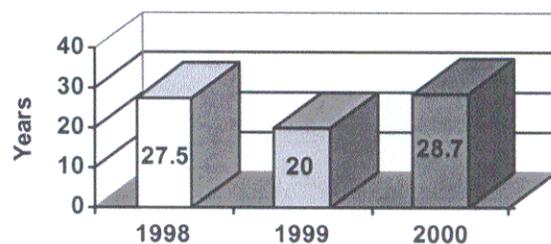
Fines, Restitution and EP Costs Imposed



Jail Time - Imposed



Probation



APPENDIX

**ENVIRONMENTAL RESTORATION AND
REDEVELOPMENT PROGRAM**

STATE MASTER LIST

(This List Provides Notice of Potential Hazardous Waste Sites)

Maryland Department of the Environment
State Master List
November 2000

County: **ALLEGANY**

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

Status: NFRAP

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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

County: **ANNE ARUNDEL**

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

Status: NFRAP

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

Status: NFRAP

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

Status: DEFERRAL

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

Status: UI

Maryland Department of the Environment
State Master List
November 2000

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

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: DRUMCO DRUM DUMP (MD-408)
Address: ASPEN ST OFF PENNINGTON AVE
BALTIMORE, MD 21225
Aliases: NONE

Status: NFRAP

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

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

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: NPL

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

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

Status: UI

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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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
BALTIMORE, MD 21224

Aliases: EASTERN STAINLESS STEEL (FORMERLY)

Status: 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

Maryland Department of the Environment
State Master List
November 2000

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

Status: UI

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: BUCKS STEEL DRUM (MD-187)
Address: 8234 ROSEBANK AVE
BALTIMORE, MD 21222
Aliases: NONE

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: CIRCUIT CITY (MD-315)
Address: 6211 ROSSVILLE BLVD
BALTIMORE, MD 21237
Aliases: NONE

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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

Site Name: FOUR CORNERS (JACKSONVILLE) (MD-264)
Address: JARRETSVILE PK & SWEET AIR RD
JACKSONVILLE, MD 21131
Aliases: JACKSONVILLE SITE, FOUR CORNERS EXXON

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

Maryland Department of the Environment
State Master List
November 2000

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: J & L INDUSTRIES INC (MD-280)
Address: 6923 EBENEZER RD
BALTIMORE, MD 21220
Aliases: NONE

Status: NFRAP

Site Name: KOPPERS CO (MD-285)
Address: GLEN ARM RD
GLEN ARM, MD 21087
Aliases: UNITED CONTAINER MACHINERY GROUP INC

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: LEO J. MCCOURT DUMP (MD-309)
Address: MORSE RD, OFF OF NORTH POINT
BALTIMORE, MD 21222
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: MARYVALE PREPARATORY SCHOOL (MD-389)
Address: 11300 FALLS RD
BROOKLANDVILLE, MD 21022
Aliases: NONE

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: METALS & RESIDUES PROCESSING (MD-277)
Address: 10107 MARBLE CT
COCKEYSVILLE, MD 21030
Aliases: NONE

Status: NFRAP

Site Name: METALS AND RESIDUES PROCESSING (MD-276)
Address: 4400 MILFORD MILL RD
BALTIMORE, MD 21208
Aliases: NONE

Status: NFRAP

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

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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

Site Name: RELAY MUD SLIDE (MD-166)
Address: WOODLAND DR & VIADUCT AVE
BALTIMORE, MD 21227
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: SAFETY KLEEN CORP - CATONSVILLE (MD-349)
Address: 1012-1/2 LESLIE AVE
BALTIMORE, MD 21228
Aliases: NONE

Status: NFRAP

Site Name: SAUER DUMP (MD-181)
Address: 4225 LYNHURST RD
BALTIMORE, MD 21222
Aliases: NONE

Status: UI

Maryland Department of the Environment
State Master List
November 2000

Site Name: SECURITY BLVD SITE (MD-188)
Address: 1718 K BELMONT AVE
BALTIMORE, MD 21207
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

Site Name: STANSBURY PARK (MD-265)
Address: STANSBURY & HYDRANGEA RDS
BALTIMORE, MD 21222
Aliases: NONE

Status: UI

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: THOMPSON STEEL COMPANY INC (MD-289)
Address: NORTH POINT BLVD
BALTIMORE, MD 21219
Aliases: NONE

Status: NFRAP

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
JARRETSVILLE, 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

Maryland Department of the Environment
State Master List
November 2000

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: 4TH GAS HOUSE (MD-160)
Address: LANCASTER AND PATAPSCO STS
BALTIMORE, MD 21201
Aliases: NONE

Status: NFRAP

Site Name: AINSWORTH PAINT MFG SITE (MD-473)
Address: 3200 E BIDDLE ST
BALTIMORE, MD 21231
Aliases: NONE

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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 NATIONAL CAN CO (MD-352)
Address: BOSTON & HUDSON STS
BALTIMORE, MD 21224
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

Site Name: AMOCO OIL CO (MD-105)
Address: 3901 ASIATIC AVE
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: ARMCO BALTIMORE WKS (MD-106)
Address: 3501 E BIDDLE ST
BALTIMORE, MD 21213
Aliases: NONE

Status: NFRAP

Site Name: BALTIMORE IRON & METAL (MD-257)
Address: PIER 11 PATAPSCO RIVER E
BALTIMORE, MD 21224
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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: BOARMAN, JW CO, INC (MD-283)
Address: 2821-23 FOSTER AVE
BALTIMORE, MD 21224
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

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

Status: NPL

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

Status: NFRAP

Maryland Department of the Environment
State Master List
November 2000

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

Site Name: CONTINENTAL CAN CO - USA PLANT #16 (MD-354)
Address: 3701 DUNCANWOOD LANE
BALTIMORE, MD 21213
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Maryland Department of the Environment
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Site Name: CROWN CENTRAL PETROLEUM CORP (MD-112)
Address: 6000 PENNINGTON AVE
BALTIMORE, MD 21226
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Site Name: E FEDERAL ST SITE (MD-379)
Address: E OF 3520 E FEDERAL ST
BALTIMORE, MD 21213
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: EXXON CO USA (MD-091)
Address: 3801 BOSTON ST
BALTIMORE, MD 21224
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Site Name: FORT HOLABIRD CRIME RECORDS CENTER (MD-411)
Address: CORNER OF OAKLAND & DETROIT AVES
BALTIMORE, MD 21222
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

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

Status: NPL

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

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Site Name: LOCOMOTIVE JUNKYARD (MD-258)

Address:
BALTIMORE, MD 21201

Aliases: NONE

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: MORGAN STATE UNIVERSITY SITE (MD-471)

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

Aliases: NONE

Status: NFRAP

Site Name: MRI CORP (MD-119)

Address:
414 CHESAPEAKE AVE
BALTIMORE, MD 21226

Aliases: NONE

Status: NFRAP

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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: PLATING SITE (MD-249)
Address: 1009 W BALTIMORE ST
BALTIMORE, MD 21223
Aliases: UNION PLATING, UNION ART GOLD AND SILVER

Status: NFRAP

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Site Name: PORT LIBERTY INDUSTRIAL PARK (MD-422)
Address: 1900 FRANKFURST AVE.
BALTIMORE, MD 21230
Aliases: NONE

Status: NFRAP

Site Name: REEDBIRD LF (MD-020)
Address: POTE ST & ROADBIRD AVE
BALTIMORE, MD 21202
Aliases: NONE

Status: NFRAP

Site Name: ROBERT E. LEE PARK/LAKE ROLAND BRIDGE (MD-383)
Address: RAILROAD MARKER 387
BALTIMORE, MD 21209
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

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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: SOUTHGATE INDUSTRIAL PARK (MD-378)
Address: 2147 WICOMICO ST
BALTIMORE, MD 21201
Aliases: NONE

Status: UI

Site Name: SPRING GARDENS (MD-145)
Address: FORT & LEADENHALL STS
BALTIMORE, MD 21201
Aliases: NONE

Status: NFRAP

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Site Name: TANK BARGE #626 (MD-390)
Address: PIER ONE - CLINTON STREET
BALTIMORE, MD 21224
Aliases: NONE

Status: NFRAP

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

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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

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County: **CAROLINE**

Site Name: OLD WEST DENTON DUMP (MD-438)

Address: RIVER RD
DENTON, MD 21629

Aliases: NONE

Status: NFRAP

Site Name: SKIPJACK CHEMICALS, INC. (MD-416)

Address: RT 2 BOX 26E
DENTON, MD 21629

Aliases: NONE

Status: NFRAP

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County: **CARROLL**

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

Address: 1920 BACHMAN VALLEY RD
MANCHESTER, MD 21102

Aliases: NONE

Status: NFRAP

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: CATALYST RESEARCH (MD-142)

Address: 1125 POOLE RD
WESTMINSTER, MD 21157

Aliases: NONE

Status: NFRAP

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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: KATE WAGNER LF (MD-322)
Address: RT 27 & RIDGE RD
WESTMINSTER, MD 21157
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

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

Status: DEFERRAL

Site Name: POWRMATIC INC (MD-167)
Address: INDUSTRIAL PARK DR
FINKSBURG, MD 21048
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: SMALL LAB SITE (MD-392)
Address: 7606 PATAPSCO RD
SYKESVILLE, MD 21784
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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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: CECIL COUNTY LF (MD-027)

Address: OLD ELK NECK RD
ELKTON, MD 21901

Aliases: ELK NECK LF

Status: NFRAP

Site Name: CENTRAL CHEMICAL CO (MD-325)

Address: TRINCO INDUSTRIAL PARK
ELKTON, MD 21921

Aliases: NONE

Status: NFRAP

Site Name: CHILDS PROPERTY (MD-318)

Address: 180 CHILDS RD
CHILDS, MD 21921

Aliases: PAUL MRAZ

Status: NFRAP

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

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

Status: NFRAP

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

Status: NFRAP

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

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

Status: NFRAP

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Site Name: MALMO FARMS (MD-189)
Address: 1435 CAYOTS CORNER RD
CHESAPEAKE CITY, MD 21915
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: NAVAL TRAINING CENTER BAINBRIDGE (MD-430)
Address: US HWY 222
BAINBRIDGE, MD 21904
Aliases: NONE

Status: UI

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

Status: NFRAP

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

Status: NPL

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

Status: NFRAP

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

Status: NFRAP

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

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

Status: NPL

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

Status: NFRAP

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: USCG BACK CREEK REAR RANGE STRUCTURE (MD-156)
Address: 25 FT SQUARE POSITION
CHESAPEAKE CITY, MD 21915
Aliases: NONE

Status: NFRAP

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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

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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: HUGHESVILLE TIRE SITE (MD-317)
Address: GALLANT GREEN RD
HUGHESVILLE, MD 20601
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

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

Status: NFRAP

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

Status: NFRAP

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County: **DORCHESTER**

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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Site Name: EASTERN MD WOOD TREATING CO (MD-242)
Address: CLARKS CANNING HOUSE RD
FEDERALSBURG, MD 21632
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

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

Status: NFRAP

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County: **FREDERICK**

Site Name: ABRAMSON PROPERTY (MD-384)

Address: 9925 PINE TREE RD
WOODSBORO, MD 21798

Aliases: NONE

Status: NFRAP

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

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

Status: UI

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

Status: NFRAP

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

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County: **GARRETT**

Site Name: BAUSCH & LOMB INC - OAKLAND PLANT (MD-347)

Address: RT 135
OAKLAND, MD 21550

Aliases: NONE

Status: NFRAP

Site Name: HARBISON WALKER REFRACTORIES - NEW SAVAGE (MD-351)

Address: RT 495
GRANTSVILLE, MD 21536

Aliases: NONE

Status: NFRAP

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

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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

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

Status: NFRAP

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

Status: DEFERRAL

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

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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

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Site Name: MOORE PROPERTY LF (MD-461)
Address: BUSH RD
ABINGTON, MD 21009
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

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County: **HOWARD**

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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Site Name: JOHNS HOPKINS APPLIED PHYSICS LAB (MD-308)
Address: JOHNS HOPKINS RD
LAUREL, MD 20707
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: OLGA NELSON ENTERPRISES (MD-272)
Address: 7269 WASHINGTON BLVD
BALTIMORE, MD 21227
Aliases: NONE

Status: NFRAP

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Site Name: TATE ACCESS FLOORS INC (MD-373)
Address: 7510 MONTEVIDEO RD
JESSUP, MD 20794
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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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: DUTCH FAMILY DELI OIL SPILL (MD-469)

Address: RTS 301 & 291
MILLINGTON, MD 21651

Aliases: NONE

Status: NFRAP

Site Name: KENT PIT (MD-454)

Address: KENT CO TAX MAP PARCEL 222
CHESTERTOWN, MD 21620

Aliases: NONE

Status: NFRAP

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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

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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

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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

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Site Name: NAVAL MEDICAL COMMAND (MD-335)
Address: 8901 WISCONSIN AVE
BETHESDA, MD 20814
Aliases: NONE

Status: NFRAP

Site Name: NORTH POTOMAC PCP (MD-477)
Address: 13801 TURKEY FOOT ROAD
NORTH POTOMAC, MD 20878
Aliases: NONE

Status: NFRAP

Site Name: PROTO CIRCUITS (MD-399)
Address: 14674 D SOUTLAWN LN
ROCKVILLE, MD 20850
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

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

Status: NFRAP

Site Name: SILVER SPRINGS CUSTOM FURNITURE (MD-426)
Address: 8943 BROOKVILLE RD
SILVER SPRING, MD 20910
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: VECTROL INC (MD-360)
Address: 1010 WESTMORE AVE
ROCKVILLE, MD 20850
Aliases: NONE

Status: NFRAP

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

Status: UI

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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County: **PRINCE GEORGES**

Site Name: ADELPHI LABORATORY CENTER (MD-068)
Address: 2800 POWDER MILL RD
ADELPHI, MD 20783
Aliases: 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: BEAVERDAM CREEK PCB (MD-476)
Address: .5 OFF KENILWORTH AVE
BEAVER HEIGHTS, MD 20743
Aliases: NONE

Status: NFRAP

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

Status: UI

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

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

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

Status: UI

Site Name: CROOM MILITARY HOUSING (MD-468)
Address: 15512 MOUNT CALVERT RD
UPPER MARLBORO, MD 20772
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Site Name: EVANS TRAIL DUMP SITE (MD-170)
Address: EVANS TRAIL
CALVERTON, MD 20705
Aliases: NONE

Status: NFRAP

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

Status: UI

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Site Name: HYATTSVILLE GAS & ELECTRIC (MD-200)
Address: 5022 RHODE ISLAND AVE
EDMONSTON, MD 20781
Aliases: NONE

Status: NFRAP

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

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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

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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: PISCATAWAY WWTP (MD-127)
Address: RT 1 FARMINGTON RD BOX 327
ACCOKEEK, MD 20607
Aliases: NONE

Status: NFRAP

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

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

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

Status: NFRAP

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

Status: NFRAP

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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

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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

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

Status: NFRAP

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

Status: NFRAP

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County: **ST MARYS**

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

Status: NFRAP

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

Status: NPL

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

Status: NFRAP

Site Name: ST MARYS SALVAGE (MD-375)
Address: ST MARYS INDUSTRIAL PARK
ST MARYS, MD 20686
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

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County: **TALBOT**

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

Status: UI

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

Status: NFRAP

Site Name: EASTON UTILITIES COMM MUNI ELE (MD-281)
Address: 219 N WASHINGTON S
EASTON, MD 21601
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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County: **WASHINGTON**

Site Name: ANGSTROHM PRECISION INC (MD-346)

Address: 1 PRECISION PL
HAGERSTOWN, MD 21740

Aliases: NONE

Status: NFRAP

Site Name: CENTRAL CHEMICAL (MD-442)

Address: 40 N JOHNATHAN ST
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: CERTAIN TEED METALS (MD-396)

Address: WASHINGTON COUNTY INDUSTRIAL
WILLIAMSPORT, MD 21795

Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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

Status: NFRAP

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: FRANKLIN SPICKLER PROPERTY SITE (MD-475)
Address: RT 63 (GREENCASTLE PK) & MT
MAUGANVILLE, MD 21740
Aliases: NONE

Status: UI

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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-247)
Address: W WASHINGTON ST
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

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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: RUST-OLEUM CORP (MD-348)
Address: INTERSTATE INDUSTRIAL PARK
WILLIAMSPORT, MD 21795
Aliases: NONE

Status: NFRAP

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

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Site Name: WEST MANUFACTURING CO (MD-418)
Address: 910 ELDRIDGE DR
HAGERSTOWN, MD 21740
Aliases: NONE

Status: NFRAP

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County: **WICOMICO**

Site Name: ADAMS CO & SON INC (MD-321)
Address: NORTHWOOD DR & ARLINGTON RD
SALISBURY, MD 21801
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

Site Name: BLACKWATER SOLID WASTE TRANSFER STATION (MD-300)
Address: WALLER RD
SALISBURY, MD 21801
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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Site Name: CHEVRON CHEM CO - SALISBURY (MD-093)
Address: 125 BATEMAN RD
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: GRIGCO WASTE OIL RECYCLING INC (MD-047)
Address: SHARPTOWN, MD 21861
Aliases: GRIGCO

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
HEBRON, MD 21830
Aliases: NONE

Status: NFRAP

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Site Name: RIVER HARBOR DEVELOPMENT (MD-377)
Address: RIVER HARBOR DRIVE EXTENDED
SALISBURY, MD 21801
Aliases: NONE

Status: NFRAP

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

Status: NFRAP

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County: **WORCESTER**

Site Name: BERLIN LF (MD-186)

Address:

BERLIN, MD 21811

Aliases: NONE

Status: NFRAP

Site Name: BISHOP PROCESSING CO (MD-083)

Address: BOX G

BISHOP, MD 21813

Aliases: NONE

Status: NFRAP

Site Name: CHESAPEAKE WOOD TREATING CORP (MD-453)

Address: POCOMOKE

POCOMOKE CITY, MD 21851

Aliases: NONE

Status: NFRAP

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

Address: LEWIS RD

OCEAN CITY, MD 21811

Aliases: NONE

Status: NFRAP