

OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

Annual Evaluation Summary Report

For the

Regulatory and AML Programs

Administered by the State

Of

MARYLAND

For

Evaluation Year 2007

(July 1, 2006, through June 30, 2007)

September 2007

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I. Introduction/Summary

Introduction

The Surface Mining Control and Reclamation Act of 1977 (SMCRA) created the Office of Surface Mining Reclamation and Enforcement (OSM) in the Department of the Interior. SMCRA provides authority to OSM to oversee the implementation of and provide federal funding for State Regulatory programs that OSM has approved as meeting the minimum standards specified by SMCRA. This report contains summary information regarding the Maryland Program and the effectiveness of the Maryland Program in meeting the applicable purposes of SMCRA as specified in Section 102. This report covers the period of July 1, 2006, through June 30, 2007. Detailed background information and comprehensive reports for the program elements evaluated during the period are available for review and copying at the Pittsburgh Field Division (PFD).

Summary

For the evaluation year, oversight data and studies indicate that the Maryland Program has been effective in meeting the goals of SMCRA. Maryland has conducted a program where active mining sites are, with few exceptions, in compliance with planning, mining, and reclamation standards. Reclamation is thorough and has proceeded in a contemporaneous fashion. A study of the three most recently issued permits indicates that, on average, eighty-one percent of the affected area is being backfilled and planted at any point in time. Eighty-seven percent of inspectable units were found free of off-site impacts.

Maryland has only one outstanding program amendment which remains to be implemented and this amendment is on hold pending OSM's decision on ownership/control regulations. In addition to mining and reclamation efforts, the Maryland Department of the Environment (MDE) has continued to involve the public through programs such as the Watershed Cooperative Agreement Program.

Although no new concerns were identified in this year's evaluation, there are continuing concerns which are addressed in more detail under the "Regulatory Program Issues" subsection. The concerns involve the adequacy of performance bond to guarantee reclamation on permit sites in general, and the adequacy of performance bond for an unanticipated acid discharge from a coal refuse pile. Coordination is ongoing to address these concerns. OSM will work with MDE to resolve these issues and others addressed in the evaluation year 2008 Performance Agreement between MDE and OSM. This will help ensure the continuation of a strong and viable program in the State of Maryland.

The sections which follow provide additional detail on program successes and issues identified in the 2007 evaluation year. Below is a list of acronyms used in this report:

ABS Alternative Bonding System

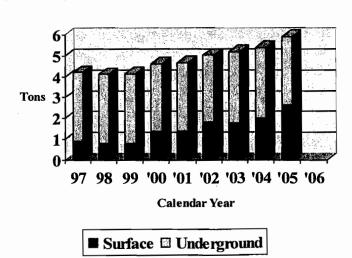
¹ 64 % in 1998 study, 68 % in 1999 study, 87 % in 2000 study, 75% in 2001, 78% in 2002, 91% in 2003 73% in 2004 study, 90% in 2005 study, 76% in 2006 study.

ACSP	Appalachian Clean Streams Program
AES	Allegany Energy Systems
AMD	Acid Mine Drainage
AML	Abandoned Mine Lands
AMLIS	Abandoned Mine Land Information System
AOC	Approximate Original Contour
APS	Allegheny Power System
BOM	Maryland Bureau of Mines
COMAR	Code of Maryland Regulations
EPA	Environmental Protection Agency
LRC	Maryland Land Reclamation Committee
NOVO	Notice of Violation and Order
NRCS	Natural Resources Conservation Service
MDE	Maryland Department of the Environment
NEPA	National Environmental Policy Act
OSM	Office of Surface Mining Reclamation and Enforcement
PFD	Pittsburgh Field Division
SMCRA	Surface Mining Control and Reclamation Act of 1977
SOAP	Small Operator Assistance Program
WCAP	Watershed Cooperative Agreement Program

II. Overview of the Maryland Coal Mining Industry

Coal mining in western Maryland began in the early 1700's, accounting for some of the earliest coal ever to be mined in the eastern United States. By 1820, several mines were operating in the Eckhart, Frostburg, and Vale Summit areas. Between 1900 and 1918, deep mine production peaked between four and five million tons annually with an historical high of 5.5 million tons in 1907. Most of these mines were developed up-dip to drain water away from the mines. As a result of this, water high in acid and iron drained into streams. Today, acid mine drainage from abandoned coal mines is

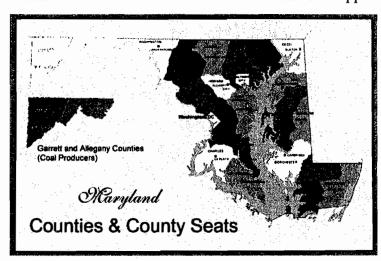
Maryland Coal Production - Millions of tons (gross)



Western Maryland's most pollution serious water problem. After World War underground mining declined in Maryland. Bysurface mining 1977, accounted for 91 percent of the total production. Since production at then, underground mines has recovered and surpassed production, surface accounting for approximately sixty-one percent of the total production in 2005, down percent from previous year². During the 1980's, the amount of coal mined in Maryland fluctuated between three and four million tons, with the greatest production occurring in 1981 (4.5 million tons). Since that time, as shown graphically on the chart above, the tonnage mined has been generally increasing over the last five calendar years to a production of almost ?? million short tons for 2006². The increase is attributable primarily to surface coal mine production. Since 1999, surface coal production has more than tripled while underground production has remained nearly constant. The majority of underground coal production in Maryland is generated from one mine. This mine is responsible for more than one half of the mine employees in the state and for approximately forty-five percent of total coal production³ This mine stopped production in the last quarter of 2006.

Today coal mining in Maryland is confined to Garrett and the western portion of Allegany County. The topography in this area comprises gently rolling terrain with occasional steep slopes. Maryland State law prohibits surface mining on steep slopes. The Conemaugh and Allegany geologic formations contain five major minable fields or basins in the State. These include the Upper

Youghiogheny, Lower Youghiogheny, Casselman, Upper Potomac, and Georges Creek. The Georges Creek Basin contains the most recoverable coal reserves in the State, followed by the Upper Potomac and the Casselman. There is no mining in the Upper Youghiogheny field. The recoverable coal reserves in Maryland are approximately thirty-five million tons⁴, which is an increase of one hundred eleven percent from the previous year. Maryland ranks fifteenth of the seventeen States that reported reserves for 2005⁵.



Coal production in Maryland accounted for .46 percent of total U.S. coal production in 20056, and

² Source – Form OSM-1

³ Source – Calendar Year 2006 Eighty-fifth Annual Report of the Maryland Bureau of Mines

⁴Source - Energy Information Administration, U.S. Department of Energy, Annual Coal Report, Table 14, Recoverable Coal Reserves and Average Recovery Percentage at Producing Mines by State, 2005, 2004.

⁵ Many Coal-producing States are now not reporting this information

ranks eighteenth nationally in coal production of the 26 states reporting. Production is expected to drop significantly in the next year with the closing of the primary underground coal producer in Maryland. Maryland employs approximately five hundred two coal miners (year 2005 statistic), an increase of 1 percent from the previous year.⁷

⁶Source - Energy Information Administration, U.S. Department of Energy, 2005 Annual Coal Report, Table 6, Coal Production and Number of Mines by State and Coal Rank

Source – Energy Information Administration, Table 18, <u>Average Number of Employees by State and Mine Type</u>, 2005, 2004.

III. Overview of Public Participation Opportunities in the Oversight Process and the State Program

There are numerous opportunities for citizens, the industry, and environmental groups to participate in the Maryland Regulatory and Abandoned Mine Lands (AML) programs. Opportunities for public involvement include outreach efforts, organizational involvement, and formal regulatory participation.

Outreach

Outreach is the interaction on a routine periodic basis for Maryland, along with local governmental bodies, coal associations, businesses, citizens and environmental groups, to actively seek out and determine their areas of concern and suggestions.



George Beener (Barton Mining) accepting award from Shari Wilson (Md. Sec. of Environment)

During the evaluation year The Maryland Department of Environment, Bureau of Mines celebrated Arbor Day by co-hosting a tree planting event with the Creek Watershed Georges Association. The event was held on April 11, 2007. The event included the awarding of State Reforestation Awards to Barton Mining and Patriot Mining. The program was attended by the Maryland Secretary of the Environment, Shari T. Wilson who also looked at past tree planting

sites.

Approximately 50 students from local high schools participated in the event. More than 1000 hardwood and pine seedlings were planted to commemorate Arbor Day.



Local high-school students planting trees during Arbor Day event

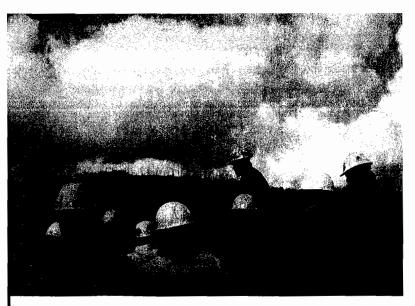
Photo courtesy of Maryland BOM

Maryland Bureau of Mines officials provided an all day tour of both surface and underground mines for 45 new OSM employees on November 2, 2006. Tour participants met with Industry representatives and local citizens to gain an understanding of both Title IV and V issues. Other public tours conducted by MDE involved out —of- state watershed groups looking at Maryland dosers and scientists from India looking at mining operations in conjunction with Department of Energy (DOE) employees.

New program initiatives such as ARRI and the WCAP program were also shown in the field.

Maryland maintains a partnership with the Maryland Resource Conservation and Development agency on various projects such as WCAP and employment support.

OSM continues to involve the public, the state and others in the oversight of the program. A newsletter is published 6 times per year that provides updates on all significant legislative and regulatory changes as well as activities carried out by OSM in the region. Agency and field office



Tour for new OSM employees

web sites as well as published notices are used as a means of obtaining input from the public.

Organizational/Public Involvement

MDE routinely provides opportunities for public participation in both the Title IV and V programs. All hearings and public meetings provide a forum for the public, industry, the academic community and local politicians to voice their opinions on various issues.

Organizational involvement in restoring Maryland's mined lands continues to grow in both the regulatory and abandoned mine lands program. Maryland continues to broaden its involvement with such groups as watershed associations, National Park Service, Natural Resource Conservation Service, Trout Unlimited, and others. Through increased partnering opportunities with various groups and agencies, Maryland is able to leverage additional funds and take on additional land reclamation projects.

Regulatory Program

The Land Reclamation Committee (LRC) was formed in 1967 through legislation enacted by the State of Maryland. The Committee is composed of 13 members representing the mining industry, soil conservation districts, counties, citizens, and State agencies. The Committee studies, recommends, and approves procedures to reclaim, conserve, and replant land affected by coal mining in Maryland. This includes the review of mining and reclamation plans, progress reports, and final reports. It establishes plans and procedures, as well as practical guidelines, for prompt and satisfactory reclamation, conservation, and revegetation of all lands disturbed by coal mining within the State. The Committee meets periodically and OSM representatives attend the meetings along with members of the public, industry consultants, and coal operators.

Under the Code of Maryland Regulations (COMAR), the public can formally participate in the regulatory program by requesting hearings on the issuance of permits and bond releases; petitioning to have areas declared unsuitable for mining; requesting inspections of active coal mine operations where there is reason to believe a violation is occurring (citizen complaints); requesting pre-blast surveys if living within one half mile of the permit area; and appealing Departmental decisions through the appeal process.

During this evaluation year, Maryland mining officials provided input to concerned citizens of the small community of Carlos, Maryland during several meetings with a coal operator during start up operations at a local surface mine. MDE officials also met with citizens at a public meeting dealing with proposed mining operations near the town of Westernport.

Appalachian Regional Reforestation Initiative

During the evaluation year, Maryland, OSM and the other six Appalachian coal-producing States continued to make progress in implementing the Appalachian Regional Reforestation Initiative (ARRI).

The Initiative's goals are to plant more high-value hardwood trees on reclaimed coal mined lands in Appalachia and to increase the survival rates and growth rates of planted trees. Accomplishing the goals of the Reforestation Initiative is done using Forestry Reclamation Approach (FRA) technology. The FRA is a proven technique used to increase the productivity of reclaimed mine land

on areas where trees are to be planted. The FRA technique consists of placing a minimum of 4 feet of a suitable growing medium (the original soil and/or weathered sandstone) on the surface and then performing minimal grading to prevent excessive compaction. The resulting surface is very loose, rough and rocky, which increases storm water infiltration and allows for increased root penetration and available nutrients. As demonstrated by decades of research, the tree growth rate exceeds that of undisturbed, natural forest soil. Other aspects of the FRA include: using native and noncompetitive ground covers that are compatible with growing trees, planting two types of trees (early succession species for wildlife and mine-soil improvement and commercially valuable crop trees), and using proper tree planting techniques.

Maryland continues to be an active participant in the Appalachian Regional Reforestation Initiative.

The Maryland Bureau of Mines works with coal operators to encourage the FRA and other good reclamation practices. Annually, the Bureau provides trees, grown at the state nursery, for planting projects. Since 1960, a total of 8,100 acres of mined land has been planted in trees in Maryland.

Abandoned Mine Land Program

Maryland continues to be an active participant with local communities, watershed groups, and State and Federal agencies in accomplishing mutual Abandoned Mine Land Program goals. These goals usually involve the clean-up of acid mine drainage (AMD) problems that impact local streams. The Watershed Cooperative Agreement Program is a part of the Appalachian Clean Streams Program (ACSP) and is intended as a means of funding not-for-profit groups, especially small watershed groups that undertake local AMD reclamation projects. Cooperative agreements are signed between OSM and these groups at the time of the grant award. Grants can range from \$5000 to \$100,000 and there is a two-year performance period to complete a particular project. An integral part of the Cooperative Agreement program is the requirement that the proposed project be done by a group of partners and these partners must provide a substantial portion of the total resources needed to complete the project.

Some of the more active partners Maryland works with include:

- Allegany County Public Works
- Appalachian Environmental Lab
- Braddock Run Watershed Association
- Canaan Valley Institute
- EPA
- Garrett County Community Action Agency
- Garrett County Public Works
- Georges Creek Watershed Association
- MD DNR
- MD Small Streams & Estuaries Program
- NRCS
- Western MD RC & D
- Yough River Watershed Association

These groups have become increasingly important for funding larger scale AMD projects when

Maryland's funds are limited due to its minimum program status. Maryland personnel actively participate in speaking at public forums and watershed meetings. They are also active in Earth Day activities and speaking to schoolchildren.

Maryland routinely holds public hearings during off hours dealing with planned AML projects. The meetings are advertised in the local media. Maryland AML personnel also assist groups such as the Braddock Run Watershed Association who met with Bureau personnel to review possible Title IV reclamation projects in their watershed.

A joint state AML and Georges Creek Watershed Association project was done during the review period at Railroad Street in Lonaconing, MD.

Impacts/Results of Public Participation

Regulatory

There were twelve public requests for pre-blast surveys during the evaluation year. There were 9 LRC meetings held during the period. Five of the meetings were regularly scheduled office meetings, and four were for evaluating revegetation eligible for phase II and/or III bond release. There were no public petitions for designating lands unsuitable for mining and reclamation operations in Maryland during the evaluation year. There were two citizen complaint Ten Day Notices (TDN's) issued by OSM alleging four violations. The first TDN was for a water loss complaint. This TDN result is pending as a result of the amount of time necessary for the approval and construction of a public waterline. The second TDN contained 3 violations and resulted in the state requiring major modifications to the permit. Both TDN's resulted in an appropriate response from Maryland. No hearings were requested on the issuance of permits or bond releases.

AML

During the 2007 Evaluation Year, the State of Maryland continued to work cooperatively with watershed groups, other government agencies, and county governments to promote the goals of the AML program.

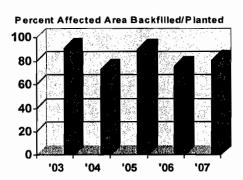
Through the Appalachian Clean Streams Initiative (ACSI) program, the Watershed Cooperative program, The Eastern Brook Trout Initiative and other programs, Maryland is able to partner with public and private groups in furtherance of their approved AML program

Since the program was started in 1999, Maryland and its' partners have completed 16 Watershed Cooperative Agreement Projects. Another 6 projects are approved and pending construction.

IV. Accomplishments/Issues in the Maryland Program

MDE continues to be successful in achieving the purposes of SMCRA. The Maryland program is firmly established, the public's rights and interests are being protected, mining is being conducted effectively, efficiently, and in an environmentally sound manner, and abandoned mine lands are being reclaimed. In addition to these general measures of success, MDE has been actively involved in several program improvement initiatives and activities. These are discussed below, along with outstanding issues and concerns that are being addressed in a mutual effort to maintain a high level of quality in the Maryland program.

Regulatory Program Accomplishments



MDE's Title V program has remained effective in the planning, mining, and reclamation of active coal sites. A detailed review of the three most recently issued permits indicates that, at any time, on average, eighty-one percent of the affected area has been backfilled and planted. The chart at the left shows how this figure has varied over the last five years. The average has been eighty-two percent over this period.

Eighty-seven percent of inspectable units exhibited no off-site impacts during this evaluation year⁹.

MDE works to continuously improve existing processes and procedures under their approved program, and takes innovative measures to establish new programs. During this evaluation period, MDE resolved two existing topical study issues and had a program amendment approved, improving the program in the following areas:

- Impoundment Certifications Maryland updated as-built pond certifications to assure compliance with statements required by COMAR 26.20.21.09 B.
- Annual Impoundment Inspections Maryland updated the annual impoundment inspection report to assure that all discussion items required per COMAR 26.20.21.09 C.2. are included
- Bonding Maryland revised their law and received OSM approval to improve the ability of
 the Maryland Department of the Environment to finance reclamation projects by increasing
 the amounts available in the Bond Supplemental Reserve in conformance with 30CFR
 §800.11(e). The amendment also addressed findings and recommendations found in the
 Actuarial Study approved by OSM in the Federal Register dated May 13, 1998 (Volume 63,
 Number 92)] [Rules and Regulations] [Page 26451-26454].

⁸ 91% in 2003 study, 73% in 2004, 90% in 2005, and 76% in 2006 study.

^{9 92%} of non-forfeiture sites, and 67% of forfeiture sites

- **Vegetation Success** Maryland began utilizing statistically valid evaluation techniques for determining phase II and phase III woody vegetation success.
- Forfeiture Reclamation Of the original 13 permits for which the permit was revoked during this evaluation year as a result of the bankruptcy, the surety company agreed to perform reclamation on five permits; of these five, two have been reclaimed, with reclamation almost completed on a third; bond has been received by Maryland on five of the remaining eight permits; Discussions with the surety and interested third parties is ongoing for the remaining three.

Regulatory Program Issues

During this review period, two issues continue to potentially impact successful implementation of the approved MDE program.

Buffalo/United Bankruptcy — As a result of the bankruptcy declaration last year of two of the major permittees in Maryland, impacting approximately one fourth of Maryland's inspectable units, three program areas were identified as a target of potential negative program impacts. These areas included Maryland's alternative bonding system (ABS), adequacy of resources for contracting forfeiture reclamation, and environmental impacts. During this evaluation year OSM has been monitoring Maryland's progress in identifying and resolving these issues. Significant progress has been made as follows:

ABS Impact - In 2005, OSM determined that Maryland's ABS was solvent and sufficient to reclaim all outstanding forfeitures for the first time since March 1999. However, as a result of the above-mentioned forfeitures, last year OSM renewed concerns regarding the adequacy of Maryland's ABS system, particularly in relation to catastrophic events 10. Maryland shared this concern, and as a result undertook an internal study to project the cost of reclamation of active sites. The study used hypothetical situations, which, while not reflective of actual mine sites or conditions, suggested potential reclamation cost scenarios. The study showed that, as a result of changes in mining techniques in Maryland which have developed over the years, including larger mines and longer haul distances, the present bonding system is inadequate to address the majority of worst-case scenarios which might be encountered in Maryland. To address this issue, Maryland is now considering ways to increase both conventional and flat bond with minimum impact on both the health of the industry and ability to acquire bond. One such scenario under consideration is increasing conventional non-revegetation bond by \$500 across the board, increasing fees from 10 cents to 15 cents per ton of surface mined coal, increasing the supplemental reserve cap of the ABS from \$750k to \$5 million, and establishing a volume bond calculation when open acres exceed 40 acres and/or pit width exceeds 100 feet. Under this scenario the BOM study showed a maximum liability to the ABS pool of approximately \$4.4 million for a single site "catastrophic event" 11. Once the bond pool reached the scenario's \$5 million cap, it would be able to handle such a catastrophic event. However, OSM expressed concern that, at the historic rate of income into the pool, it will take more than ten years to reach the \$5 million

¹⁰ 778 of Maryland's 2336 bonded surface acres representing approximately \$2.7 million in bond were tied up by Buffalo/United,

Defined in prior studies as one extremely costly forfeiture or several above average forfeitures

dollar cap, even if no further forfeitures occur in Maryland¹². To address this vulnerability, OSM suggested Maryland consider a one-time deposit into the reserve, making the reserve interest-bearing, and using set-aside funds to address AMD problems for forfeitures in qualified hydrologic units.

Maryland is considering this and other alternatives to address the issue. BOM noted that changes to conventional bonding, including introduction of a volume bond calculation could be achieved without changes to their law or regulations. Changes affecting the bond pool, including increasing fees and raising the cap, would require changes to the law.

OSM believes this is a serious issue and it is critical that resolution occur as quickly as possible.

• Resources Impact – A potential concern OSM identified last year was the impact to Maryland's staff resources if the bankruptcy resulted in the forfeiture of most or all of the seventeen permits operated by the two companies. Maryland is a small program with a staff of only fifteen full time equivalent (FTE) positions, which includes 3.5 AML FTE's. The limited staff resources could significantly delay the reclamation of these sites, thereby increasing costs as inflationary factors came into play. During this evaluation year, Maryland has managed, through permit transfers and surety reclamation, to cut their exposure to reclamation responsibility in half. Of the eight sites that Maryland is presently responsible for contracting reclamation efforts, four of these may result in assumption of permit responsibilities by other companies via permit transfer/re-issuance.

OSM will continue to monitor the situation, and has plans to conduct an oversight review in EY08 to assure that only administrative costs not directly associated with site-specific reclamation work, and costs for activities that would have been performed had there been no forfeiture, are paid from grant funds.

Off-Site Impact – Last evaluation year OSM raised a concern that the longer reclamation takes to initiate, the more potential there is for off-site impacts. This places additional strains on both the bond pool and staff resources. During this evaluation year, in addition to cutting their exposure on forfeited sites in half as mentioned above, only seven off-site impacts were observed on the United/Buffalo forfeiture sites and none of the impacts were considered major.

Acid Mine Drainage (AMD) Discharge – Since 2001 OSM has been concerned about an unanticipated refuse pile discharge. The discharge was added to OSM's acid mine drainage inventory list in January 2003. The discharge emanates from an active refuse pile and flows at an average 192 gallons per minute. The issue involves the adequacy of bond coverage if continued treatment is necessary following reclamation of the refuse site. Maryland's approved program includes an alternative bonding system (ABS). However, the ABS does not include acid mine

¹² based on the bond pool fund balance from June 2006 of \$630k, and an average income of \$23,131/month (July '05 – June'06 figures)

drainage coverage. Approval of the system¹³ was based on the results of an actuarial study which states, "...the BOM intends to limit the liability of the ABS by increasing the bond amount to reflect the AMD on any site where unanticipated AMD develops." While working with the coal company to acknowledge and monitor the unanticipated AMD discharge since 2004, the BOM has been unable to provide a basis for the decision not to increase reclamation bond on the site. Following a meeting with Maryland in February 2007, OSM agreed to provide assistance by estimating capital and operation treatment costs for the discharge. OSM technical staff completed the cost estimate in May, 2007. The analysis was based on eighteen months of monitoring data and assumed that the quality and quantity of water emanating from the discharge would continue at current conditions. The capital and operation costs for two systems -- a hydrated lime treatment and caustic soda treatment -- were analyzed under worst case and median conditions. The analysis showed that the hydrated lime system would be the least expensive treatment system. Under median conditions, this system would require an estimated \$109,227 in capital costs and annual treatment and sludge removal costs of \$425,948. OSM has sent the analysis to Maryland and requested comments and a plan to address the issue. Maryland is presently coordinating with the coal company on analysis of the cost estimates and will provide a response to OSM by the end of August, 2007.

AML Program Accomplishments

Maryland's AML program continues to make effective use of its Title IV funding as one of seven minimum program states nationwide. Maryland has completed one standard AML program project during this evaluation year¹⁴. The Appalachian Clean Streams Program that is designed to reclaim land damaged by past mining practices and to alleviate the associated AMD problems continues to improve stream water quality in Maryland.

The following represents Maryland's on-the-ground accomplishments achieved during the review period for the Title IV program:

<u>Standard AML Projects</u> - Maryland is one of seven minimum program states that receive \$1.5 million in Title IV funds annually from OSM to fund AML projects. Maryland historically has been allowed to deposit up to \$1 million of this amount into an interest bearing account for the sole purpose of addressing AML problems. Maryland uses approximately \$284,000 annually from this source to purchase limestone, sample discharges, and maintain nine dosers and one pulse limestone feeder utilized in treating AMD in Maryland waters. According to Maryland records, since 1993, these dosers have been responsible for removing 12,681 tons of acidity from Maryland waterways.

During the evaluation year, Maryland completed the Railroad Street Mine Drainage Control Project. The project had been in planning and development for several years. Partnering with the Western Maryland RC&D, Maryland was able to complete the project and eliminate downstream flooding due to AMD and treat AMD through a passive treatment system before entering the receiving stream. Watershed Cooperative Agreement funds were also used in conjunction with the Georges Creek Watershed Association to install a passive treatment system at the site. The project cost was

¹³ FR vol. 63, No. 92/Wednesday, May 13, 1998, 26451

¹⁴ railroad Street Mine Drainage Control Project

\$481,292.00. Two Successive Alkaline Producing (SAPS) were installed to treat AMD before it enters the main receiving stream of Georges Creek.



Jackson Mountain AML Enhancement
Project

Another project was begun during the evaluation year. The Jackson Mountain Gob Pile Reclamation Project does not involve any Title IV funds and is part of a government financed no-cost contract that involves the removal of a gob pile with the proceeds from the sale of the gob going back to the operator. This was the first AML Enhancement project in Maryland. Reclamation of the site is outlined in an abbreviated permit with plans and specifications and approved by Maryland Title IV and V personnel.

Maryland submitted NEPA applications to OSM for review of 5 projects. Authorizations to Proceed (ATP'S) for all the projects were issued. Maryland

also helped prepare and process two additional NEPA evaluations for the Owens North and Owens South WCAP's located on Aaron Run. ATP's were issued for both of the projects.

<u>Appalachian Clean Streams Program Projects</u> - Maryland received \$117,383 in fiscal year 2007 from the Appalachian Clean Streams Program (ACSP) to use in partnering with private and public funding sources. The funds are utilized solely for the remediation of AMD problems.

The Watershed Cooperative Agreement Program, a sub-program under the ACSP, has allowed Maryland to partner with groups having the same water quality goals.

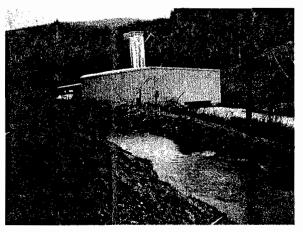
Under the recent AML Reauthorization bill, the primary ACSP program is to be discontinued. The Watershed Cooperative Agreement sub-program will continue to receive funding that can be passed on to approved Watershed groups for various AMD projects.

Three watershed projects were completed during the period. The Midlothian Project involved the collection and treatment of several poor quality AMD seeps that have caused a portion of Winebrenner Run to be devoid of aquatic life. The seeps have been collected and directed through a Pyrolucite Treatment system. The Jay Rice project, located near the town of Crellin in Garrett County, was discharging AMD from an abandoned deep mine. This discharge was collected and treated in a Pyrolucite treatment bed before discharging into a tributary of the Youghiogheny River.

The Kempton Doser Enhancement project was



Jay Rice Pyrolucite Project



Kempton Doser Enhancement Project

undertaken during the period utilizing funds from EPA, MDE and OSM to install a Maelstrom Aerator and associated ponds and treatment facilities. The project was intended to reduce the amount of iron sediments being deposited in Laurel Run and the wetland areas downstream from the doser. The project has not proven itself to be cost effective due to the maintenance requirements of the aerator, the disposal of the iron sludge and the operational costs.

A completed project, the Crellin School AMD Project, which involved the cleaning up of approximately 1 acre of coal refuse and the development of a 2.8 acre AMD/ wetlands project,

received the President's Environmental Youth Award during the evaluation period. The award was presented to the students at an awards ceremony held in Washington D.C.

AML Program Issues

There were no AML program issues identified during the evaluation year.

V. Success in Achieving the Purposes of SMCRA as Measured by the Number of Observed Off-Site Impacts and the Number of Acres Meeting the Performance Standards at the Time of Bond Release

Off-Site Impacts

OSM collects the data from inspections and other evaluations for a perspective of the number and extent of observed off-site impacts. These data also include the number of acres that have been mined and reclaimed that meet the bond release requirements for the various phases of reclamation. Individual topic reports that provide additional details on how the following evaluations and measurements were conducted are available by contacting the Pittsburgh Field Division.

Maryland conducted 520 complete, routine, compliance inspections on Maryland's sixty-eight inspectable units. Off-site impacts were observed and recorded on the off-site impacts sheet (Exhibit 3). In order to verify inspection results, OSM accompanied Maryland on thirty-five permits. These joint inspections included general oversight inspections of complaint inspections, bond release inspections, acid mine drainage inventory (AMD) inspections, and bond forfeiture inspections. Some of the permit sites were reviewed for more than one type of inspection. For each joint inspection, an MDE inspector accompanied the OSM inspector. At the conclusion of each completed inspection, a Mine Site Evaluation Report (MER) was completed. As an attachment to the MER, a data sheet titled "Off-Site Impacts" was also completed, as well as a Performance Tracking Evaluation (PTE) form which includes off-site impact information. This data was used to characterize the nature and extent of off-site impacts found during the course of the investigation as well as enumerating the number of instances observed.

The data collected, evaluated, and reported consists of the following information:

- 1. The number and types of impacts
- 2. Resources impacted (land, water, people, or structures); and
- 3. The degree of impacts (minimal, moderate, or major).

The data is shown in exhibit 2.

Findings were recorded, compiled, and the results analyzed for trends.

¹⁵ Per BOM (REG8 table 4); includes forfeitures

¹⁶ For State inspections, Off-site impacts were recorded by Maryland only for those sites for which a formal violation was issued

Fifteen randomly selected permit sites which were reviewed for all aspects of planning, mining, and reclamation

There were no formal complaints resulting in issuance of TDN's by OSM. Citizen complaints resulting in issuance of a TDN may result in generation of an off-site impact record based on the assertions in the complaint.

¹⁹ Four sites were reviewed for final reclamation prior to bond release

Three sites on the AMD Inventory due to unanticipated acid discharges were field-reviewed

Thirteen bond forfeiture inspections were conducted in addition to two which were part of the complete inspections

Of the sixty-eight inspectable units²², fifty-nine (87%) exhibited no off-site impacts.

Of the eight sites with impacts²³, fifteen impacts were observed. Nine of these impacts occurred on forfeited sites. Of the remaining six, five resulted in the issuance of State Notice of Violation and Orders (NOVO's), all of which have been abated; The remaining impact was resolved appropriately by Maryland

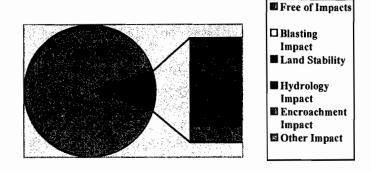
Joint inspections of thirty-five inspectable units resulted in twenty-eight (80%) exhibiting no off-site impacts. The difference between the results for joint inspections and Maryland-only inspections is partly due to the fact that Maryland only records off-site impacts for those sites where they issued violations. Because Maryland did not re-issue violations for forfeiture sites which had outstanding violations, and OSM included those sites in their off-site impact information, the results are skewed. By eliminating those fifteen sites from the statistics, the result for joint inspections would be eighteen of twenty sites (90%) showing no off-site impacts, which is similar to the state-only inspections.

²² Includes 15 forfeiture sites

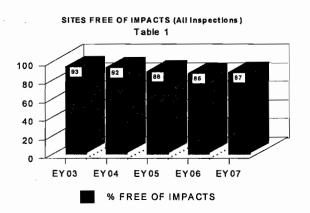
²³ 110, 247, 335, 367, 41 ¼, 422, 428, 443

Off-Site Impact Distribution '03 - '07

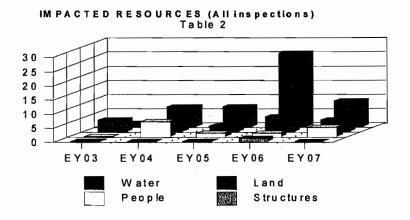
Historical Comparison In addition to the current year evaluation, historic trends over the last five years were evaluated as to the number and types of impacts, resources impacted, and severity of impacts. Results indicate that off-site impacts in Maryland are generally minor in nature and occur infrequently. Eighty-seven percent of permit sites were found free of off-site impacts for the current evaluation year (Table 1). Historically,

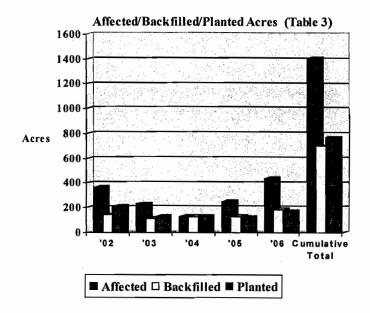


this has remained fairly constant over the last five years with an average of eighty-nine percent. When



impacts do occur, water and land are the most frequently impacted resources (Table 2). The severity of impacts has been predominantly minor in nature with eight major impacts over the last five years. Six of those impacts occurred during evaluation year 2004 and all were hydrology impacts. The seventh occurred during 2005 and the eighth during 2006. Seven of the eight major impacts affected people and one affected water resources. The people affects were due to contamination of water wells.





Reclamation Success

OSM conducted this recurring annual study to evaluate the effectiveness of ensuring successful reclamation on lands affected by surface coal mining operations.²⁴ The study revealed that reclamation is effective and successful under the Maryland State Program. Maryland operations continue to improve post mining land capability by remining and reclaiming highwalls, abandoned underground mines and spoil piles, with an estimated 179 acres of underground mines, 5250 feet of highwall, and 25 acres of spoil material eliminated for the four permits reviewed...

Five parameters; Timeliness of Inspections, Restoration of Land Form/ Approximate Original Contour (AOC), Restoration of Land Capability, Hydrologic Reclamation, and Contemporaneous Reclamation, were reviewed to evaluate reclamation success during this study.

Eight evaluations were conducted on four sites. For the eight evaluations conducted, all were in compliance with all criteria of all five parameters. All of the inspection sites were evaluated within the appropriate season and all evaluations were completed within the thirty-day limit stipulated by regulation.

In addition to the accomplishments above, Maryland improved their program by instituting a statistically valid method of evaluating woody revegetation success, and by improving on the time to determine completeness of an application for bond release, which allowed for conducting inspections during a more favorable time of year.

As illustrated in table 3, reclamation is occurring in a contemporaneous manner. The cumulative ratio of affected and planted to backfilled acres for the five year period 2002 through 2006 is 50 acres backfilled and 55 acres planted for every 100 acres affected.²⁵

During the evaluation year, Maryland's LRC and BOM jointly approved 118 acres and disapproved 97 acres of phase II reclamation. BOM approved 98 acres and disapproved 275 acres of phase III reclamation.²⁶

²⁴<u>Reclamation Success</u> study, Evaluation Year 2007; Available upon request from the PFD Office.

²⁵ Source – Maryland Bureau of Mines annual reports, 2002-2006.

Source – 9/7/06 Bond Release Letter; Approval constitutes the go-ahead for the permittee to apply for bond release inspection.

VI. OSM Assistance

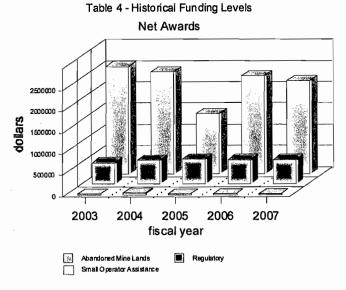
Upon request, OSM provides various types of assistance to MDE in the form of financial, technical, managerial, and training assistance. OSM provided the following assistance to MDE during the evaluation period:

Financial Assistance

As shown in table 9 (Appendix A), OSM awarded \$575,520 in Title V regulatory assistance funding during evaluation year 2007. This is in addition to the \$2,192,903 awarded for the Title IV abandoned mine lands reclamation program. No funds were awarded for the SOAP program. This program is being phased out. Table 4 shows comparative grant awards for the three program areas over the last five fiscal years.



During the review period OSM provided the following technical assistance to Maryland:



- OSM hydrologists assisted Maryland in providing treatment methods and costs for a refuse pile discharge.
- OSM technical staff continued to provide assistance in a study to characterize a mine pool in Maryland. This study is hoped to predict the impact on the mine pool from the closing of deep mine operations in Maryland and West Virginia. OSM installed three water-level loggers at three monitoring wells to record hourly water-level fluctuations of the mine pool. The loggers were installed in January and data has been downloaded on a monthly basis. Water samples were taken at two of the monitoring wells in April. Water-level data is being shared with the Maryland Bureau of Mines, US Geological Survey and the mining company.
- OSM provided national Financial Business Management System (FBMS) training for Maryland grants staff.
- OSM reviewed nine submissions for compliance with the National Environmental Policy Act (NEPA) and one watershed cooperative agreement project.
- OSM participated in quarterly meetings with Maryland to address programmatic, financial, and other issues impacting the Maryland approved program.
- OSM provided technical assistance on the reclamation of a landslide project.
- OSM provided technical assistance on toxic discharge treatment options for a forfeiture site.
- OSM provided assistance in proposing modifications to the blasting plan found in Maryland's permit application to assure compliance with program requirements.

²⁷ Includes \$117,383 for Appalachian Clean Streams Initiative Projects

Continued to provide assistance in implementation of Maryland's Database Cooperative Agreement. This \$75,000 federal assistance award is to upgrade Maryland's permitting database to address State and federal needs.

VII. General Oversight Topic Reviews

In addition to the studies to assess off-site impacts and evaluate the effectiveness in achieving successful reclamation, OSM conducted three additional studies during the evaluation period in accordance with the OSM/MDE evaluation year 2007 work plan. The results of the studies are discussed below. OSM will work with MDE in the next evaluation period to resolve issues raised as a result of these studies.

Applicant Violator System Determinations

The objective of this study was to evaluate customer service by reviewing Maryland's Applicant Violator System (AVS) determinations for Title V permit applications and Title IV AML contractors.

OSM Directive REG-8 stipulates that OSM conduct a yearly oversight evaluation of one of six areas of the State program that involves customer service. AVS actions were last reviewed during the EY02 evaluation year. The review²⁸ included comparison of OSM law under PL95-87, federal regulations under 30 CFR, and OSM Directive INE-32²⁹ with the Annotated Code of Maryland §15-504, State regulations under Code of Maryland Regulations (COMAR) 26.20, and Maryland's AVS Memorandum of Understanding to assure compliance with Maryland's approved program and that the program in this area was as effective as the federal counterpart. Next, coordination with OSM's AVS Office was undertaken to get an update on the status of current litigation relating to the enforcement of the above rules and law, and to have the AVS Office provide a database study of Maryland AVS review actions for the period October 1, 2005 through September 30, 2006. After interviewing State personnel to determine the processes and procedures used by Maryland in following the requirements of their regulations, a file review was conducted to verify documentation of the implementation of the AVS processes by Maryland, and follow up on the findings made in the Lexington AVS office study.

Requirements for use of the AVS are stipulated in OSM/State Memoranda of Understandings (MOU), Directive INE-32, Federal Regulations, and approved State programs. In addition, guidance is provided via AVS system Advisory Memoranda (SAM) and The AVS Users Guide.

The study concluded that Maryland is not obligated to follow the requirements of an MOU as their original MOU with OSM has expired and Maryland chose not to execute a subsequent MOU such as the model contained in Directive INE-32. Maryland also is not obligated to follow Directive INE-32 as it is subject to holding a valid MOU. Maryland is not obligated to submit a program amendment at this time to comply with OSM regulations pending the outcome of litigation. Finally, Maryland's approved program does not include any direct reference regarding compliance with AVS requirements. Therefore, Maryland's use of the AVS is voluntary.

Despite compliance being voluntary, with limited exceptions, Maryland follows current requirements included in the OSM Directive, Regulations, and their approved program by using the AVS system for

Maryland Applicant Violator System Determinations, Evaluation Year 2007. Copies available from the PFD office upon request.

Oversight Procedures for States' Implementation of the Applicant/Violator System Memorandum of Understanding.

evaluating permit application eligibility determinations, and entering information and updates into the system.

Performance Monitoring

OSM conducted a study during the evaluation period³⁰ to assess the general impact of planning, mining, and reclamation activities on the effectiveness of the Maryland Program in controlling adverse environmental impacts during and after mining. Inspections of Maryland mine sites included in-depth review of twenty-two general performance standards for planning, mining, and reclamation of permit sites in the State and more than one hundred associated programmatic requirements. Based on this review, Maryland's approved program is successful in planning for and controlling adverse environmental impacts both during and after mining. Maryland has taken significant steps over the last three years in assuring all observed violations are cited.

There were no recommendations made for this study.

Drawdown Analysis and Audit

OSM's ARCC Grants Staff conducted one Quarterly Drawdown Analyses during FY 2007. The drawdown analysis was conducted in accordance with the following requirements:

- Department of Treasury Fiscal Requirements Manual 6-2080.20, which requires that periodically, but not less than each calendar quarter, the Federal program agency shall review each recipient=s use of funds advanced. To satisfy this requirement, OSM determined:
 - o that there was no difference between the total amount of funds drawn via the Financial and Business Management System (FBMS) and disbursements related to the Federal program; and
 - o that cash was being withdrawn in accordance with program disbursement needs.
- Treasury Circular 1075 (31 CFR 205) requires that cash advances to a recipient organization shall be limited to the minimum amounts needed, and shall be timed to be in accord only with the actual, immediate cash requirement of the recipient organization in carrying out the purpose of the approved program or project. The timing and amount of cash advances shall be as close as is administratively feasible to the actual disbursements by the recipient organization. There were no discrepancies related to this requirement.

The Maryland Department of the Environment drawdown activities were found to comply with both of these requirements.

There were no audit findings referred to OSM for disposition during this Evaluation Year.

Maryland Performance Monitoring, Off-Site Impacts combined report, Evaluation Year 2007. Copies available from the PFD office upon request.

APPENDIX A (REG-8 tables)

These tables present data pertinent to mining operations and State and Federal regulatory activities within Maryland. They also summarize funding provided by OSM and MDE staffing. Unless otherwise specified, the reporting period for the data contained in all tables is July 1, 2006, to June 30, 2007. Additional data used by OSM in its evaluation of MDE's performance is available for review in the evaluation files maintained by the PFD office.

When OSM's Directive REG-8, Oversight of State Programs, was revised in December 2006, the reporting period for coal production on Table 1 was changed from a calendar year basis to an evaluation year basis. The change was effective for the 2007 evaluation year. In addition to coal production figures for the current year, Table 1 also contains the coal production figures from annual evaluation reports for the two most recent prior years. Therefore, for the 2007 annual evaluation report, coal production figures are provided for 2005, 2006 and 2007. In order to ensure that coal production for these three years are directly comparable, the calendar year production figures from the 2005 and 2006 annual evaluation reports were recalculated on an evaluation year basis (July 1 – June 30). This should be noted when attempting to compare coal production figures from annual evaluation reports originating both before and after the December 2006 revision to the reporting period.

Maryland EY 2007, ending June 30, 2007

TABLE 1

COAL PRODUCED FOR SALE, TRANSFER OR USE (Millions of short tons)

Period	Surface Mines	Underground Mines	₂ Total
oal production ^A fo	or entire State:		
Evaluation Year			
2005	2.473	3.406	5.879
2006	2.569	2.899	5.468
2007	1.879	1.817	3.696

Coal production as reported in this table is the gross tonnage which includes coal that is sold, used or transferred as reported to OSM by each mining company on form OSM-1 line 8(a). Gross tonnage does not provide for a moisture reduction. OSM verifies tonnage reported through routine auditing of mining companies. This production may vary from that reported by States or other sources due to varying methods of determining and reporting coal production. Provide production information for the latest three full evaluation years to include the last full evaluation year for which data is available.

Maryland EY 2007, ending June 30, 2007

	_													
					INS	SPEC As of			UNITS 2007	3				
		Num	ber a	nd s	tatus	of pe					_		_	
Coal mines	tempo	ve or orarily		ctive se II	Aban	doned	To	tals	Number of Insp.			mitted a	-	
facilities			bo	nd ease			**		Units ^A	Federa	l Lands		Private	All Lands
	ΙP	PP	IP	PP	IP	PP	IP	PP		IP	PP	IP	PP	Total
LANDS FOR WHIC	H TH	E STA	TE IS	THE	REG	ULAT	ORY A							
Surface mines		48		6		2	0	56	56				61	61
Underground mines		4		1		1	0	·	6				9	-
Other facilities		6		<u> </u>	<u> </u>		0		. 6		<u> </u>		1	
Total	0	58	0	7	0	3	0	68	68	0	0	0	71	7
Total number of permi	its:										58	•		
Average number of pe	rmits p	er insp	ectable	e unit	(exclu	ding ex	plorati	on site	s):		1	-		
Average number of ac	res per	inspec	table ı	ınit (ex	ccludir	ng expl	oration	sites)	:	104	4.41	-		
Number of exploration	n permi	ts on S	state ar	nd priv	ate lan	nds:		2	On F	ederal lar	nds ^C :		0	-
Number of exploration	notice	es on S	tate an	d priv	ate Ían	ds:		5	On F	ederal lar	nds ^C :		0	-
IP: Initial regulatory progra	am sites						_							
PP: Permanent regulatory		sites												
A Inspectable units include	multiple	permits	that hav	e been	grouped	l together	as one	unit for	inspection fre	equency pur	poses by so	me State pr	ograms.	
B When a single inspectable	e unit co	ntains bo	oth Fede	ral land	s and St	ate/Priva	ite lands	, enter t	ne permitted a	acreage for	each land ty	pe in the ap	propriate c	ategory.
C Includes only exploration						to a coo	perative	agreem	ent with OSN	I or by OSI	M pursuant	to a Federal	lands prog	ram. Excludes

Maryland EY 2007, ending June 30, 2007

TABLE 3

	STATE PERMITTING ACTIVITY As of June 30, 2007											
Type of Application		Surface mines	•	Un	dergrou mines	ınd	1	Other facilities	S		Totals	-
	App. Rec.	Issued	Acres	App. Rec.	Issued	Acres "	App. Rec.	Issued	Acres	App. Rec.	Issued	Acres
New Permits	4	3	133	0	0	0	0	1	5	4	4	138
Renewals	- 3	6		0	_ 2		3	1		6	9	
Transfers, sales and assignments of permit rights	_ 4	3		. 0	0		0	0		4	3	
Small operator assistance	0	0		0	0		0	0		0	0	
Exploration permits										2	2	
Exploration notices ^B Revisions (exclusive of incidental boundary revisions)		23			2			4			29	
Revisions (adding acreage but are not incidental boundary revisions)	3	13		0	0		0	0		3	13	0
Incidental boundary revisions	7	4		2	0		0	1		9	5	0
Totals	21	52	133	2	4	0	3	7	5	28	70	138

OPTIONAL - Number of midterm permit reviews completed that are not reported as revisions:

___0

A Includes only the number of acres of proposed surface disturbance.

B State approval not required. Involves removal of less than 250 tons of coal and does not affect lands designated unsuitable for mining.

Maryland EY 2007, ending June 30, 2007

TABLE 4

			OFF-SIT	E IMPA	CTS (ex	cluding	E IMPACTS (excluding bond forfeiture sites)	feiture	sites)					
RESOL	RESOURCES AFFECTED			People			Land			Water		0.1	Structures	
DEG	DEGREE OF IMPACT		minor	moderate	major	minor	moderate	major	minor	moderate	major	minor	moderate	major
	Blasting	2	2											
TYPE OF	Land Stability													
IMPACT AND	Hydrology	1				1			1					
TOTAL NUMBER Encroachment	Encroachment	3				3								
OF EACH TYPE Other	Other													
	Total	9	2			4			1					
												-		
Total number of insp	Total number of inspectable units (excluding bond forfeiture sites):	ond forte	siture sites	÷	•	53								
Inspectable units free of off-site impacts:	e of off-site impacts:				•	49								
Inspectable units with off-site impacts:	h off-site impacts:					4.00								
		OF	OFF-SITE		TS ON	SOND F	IMPACTS ON BOND FORFEITURE SITES	TURE S	ITES					
RESOL	RESOURCES AFFECTED			People	,		Land			Water		5 2	Structures	
DEGI	DEGREE OF IMPACT		minor	moderate	major	minor	moderate	major	minor	moderate	major	minor	moderate	major
TYPE OF	Blasting													
IMPACT	Land Stability													
AND	Hydrology	6		. 1					5	3				
TOTAL	Encroachment													
NUMBER OF	Other							Ţ.						
EACH TYPE	Total	6		1					5	3				
Total number of inspectable units (only b Inspectable units free of off-site impacts: Inspectable units with off-site impacts:	Total number of inspectable units (only bond forfeiture sites): Inspectable units free of off-site impacts: Inspectable units with off-site impacts:	orfeiture	sites):			15 10 5								

TABLE 5 - Annual State Mining and Reclamation Results

Maryland EY 2007, ending June 30, 2007

Bond release		During	41 * 12 . 1	
		During	_	tion Year
•	Applicable performance standard	Total acreage released	Acreage also released under Phase I	Acreage also released under Phase II
A		.	D	E
Phase I	Approximate original contour restored Topsoil or approved alternative replaced	98		
Phase II	Surface stability Establishment of vegetation	224	0	
Phase III - re	Post-mining land use/productivity restored Successful permanent vegetation Groundwater recharge, quality and quantity estored Surface water quality and quantity restored	198	58	143
Von Glover and L		外的对象 体中100%的	ENGERS SEL	新种数据在特别 企
	Bonded Acreage		Acres duri evaluation	n year
	w acres bonded during this evaluation year			521
Number of acres bo remining, if available	onded during this evaluation year that are considered	1		O
	here bond was forfeited during this evaluation year			461
Wildle Avenue and the control		Be MEETINA NO LEA	O	
T-4-1	Bonded Acreage Status	20	Cumulativ	e Acres
1 otal number of act 2006) B	res bonded as of the end of last review period (June	30,		6796
Total number of acr	res bonded as of the end of this period (June 30, 200	07) ^B		6658
Sum of acres bonde release as of June 30,	ed that are between Phase I bond release and Phase I	I bond		0
	ed that are between Phase II bond release and Phase	III bond		
release as of June 30,		ш сли		532
				-
Number of Acres F	Disturbed Acreage Disturbed during this evaluation year		Acre	<u>ss</u> 592
	Disturbed at the end of the evaluation year (cumulat	ive)		1807
	e is considered to approximate and represent the nu		e disturbed by	

STATE BOND FORFEITURE	E ACTIVIT	Ϋ́	
(Permanent Program Po	ermits)		
Bond Forfeiture Reclamation Activity by RA	Number of Sites	Dollars	Acres
Sites with bonds forfeited and collected that were unreclaimed as of June 30, 2006 (end of previous evaluation year) ^A	1		25
Sites with bonds forfeited and collected during Evaluation Year 2007 (current evaluation year)	5	\$680,700	461
Sites with bonds forfeited and collected that were re-permitted during Evaluation Year 2007 (current evaluation year)	0		0
Sites with bonds forfeited and collected that were reclaimed during Evaluation Year 2007 (current evaluation year)	0		0
Sites with bonds forfeited and collected that were unreclaimed as of June 30, 2007 (end of current evaluation year) ^A	5		461
Sites with bonds forfeited but uncollected as of June 30, 2007 (end of current evaluation year)	8		764
Surety/Other Reclamation (In Lieu of Forfeiture)			
Sites being reclaimed by surety/other party as of June 30, 2006 (end of previous evaluation year) ^B	0		0
Sites where surety/other party agreed to do reclamation during Evaluation Year 2007 (current evaluation year)	5		502
Sites being reclaimed by surety/other party that were re-permitted during Evaluation Year 2007 (current evaluation year)	0		0
Sites with reclamation completed by surety/other party during Evaluation Year 2007 (current evaluation year) ^C	2		274
Sites being reclaimed by surety/other party as of June 30, 2007 (current evaluation year) ^B	3	Bu c	228

A Includes data only for those forfeiture sites not fully reclaimed as of this date.

^B Includes all sites where surety or other party has agreed to complete reclamation, and the site is not fully reclaimed as of this date.

^C This number also is reported in Table 5, since Phase III bond release has been granted on these sites.

TABLE 7 – State Staffing Levels

Maryland EY 2007, ending June 30, 2007

STATE STAFFIN (Full-time equivalents at the end of	•
Function	EY 2007
Regulatory Program	
Permit review	2.30
Inspection	3.00
Other (administrative, fiscal, personnel, etc.)	7.10
Regulatory Program Total	12.40
AML Program Total	4.39
TOTAL	16.79

TABLE 8 - Grant Funding

TABLE 8

FUNDS GRANTED TO MARYLAND BY OSM

(During the Current Evaluation Year)
(Actual Dollars, Rounded to the Nearest Dollar)

		· · · · · · · · · · · · · · · · · · ·
Type of Funding	Federal Funds Awarded During Current Evaluation Year	Federal Funding as a Percentage of Total Program Costs
Regulatory Funding		9 20 20
Administration and Enforcement Grant	\$575,520	50.00%
Other Regulatory Funding, if applicable	\$0	0.00%
Subtotal (Regulatory Funding)	\$575,520	
Small Operator Assistance Program Grant	\$0	100%
Abandoned Mine Land Reclamation Funding ^A	1,617,383	100%
Totals	2,192,903	

^A Includes funding for AML Grants, the Clean Streams Initiative and the Watershed Cooperative Agreement Program.

TABLE 9 - State Inspection Activity

Maryland EY 2007, ending June 30, 2007

TABLE 9

STATE INSPECTION ACTIVITY

During Current Evaluation Year

Inspectable Unit	Number of Inspections Conducted					
Status	Complete	Partial				
Active ^A	520	914				
Inactive ^A	0	0				
Abandoned ^A	0	0				
Total	520	914				
Exploration	0	0				

^A Use terms as defined by the approved State program.

TABLE 10 - State Enforcement Activity

Maryland EY 2007, ending June 30, 2007

TABLE 10

STATE ENFORCEMENT ACTIVITY

During Current Evaluation Year

Type of Enforcement	Number of	Number of Violations ^A	
Action	Actions		
Notice of Violation	7	8	
Failure-to-Abate Cessation Order	1	1	
Imminent Harm Cessation Order	8	9	

^A Do not include those violations that were vacated.

TABLE 11 – Lands Unsuitable Activity

Maryland EY 2007, ending June 30, 2007

TABLE 11

LANDS UNSUITABLE ACTIVITY

During Current Evaluation Year

	Number	Acreage Declared as Being Unsuitable		
Number of Petitions Received	0			
Number of Petitions Accepted	0			
Number of Petitions Rejected	0			
Number of Decisions Declaring Lands Unsuitable	0	0		
Unsuitable Number of Decisions Denying Lands Unsuitable	0	0		

APPENDIX B

Maryland Comments and Disposition

Maryland had no comments for this report

		č.		
			,	