

FOR THE CALENDAR YEAR 2007

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION
MINING PROGRAM
BUREAU OF MINES

FROSTBURG, MARYLAND 21532

LETTER OF TRANSMITTAL

To The Honorable:

Martin O'Malley
Governor of Maryland

Sir:

It is my honor to submit herewith the Eighty-sixth Annual Report of the Maryland Bureau Of Mines for the period of January 1, 2007 through December 31, 2007, in compliance with the mining laws of the State of Maryland. This report provides information pertaining to the conditions of the coal mining industry within the State.

Respectfully submitted,

John E. Carey, *Director*

TABLE OF CONTENTS

	<u>Page</u>
Executive Summary	1
Mining Program Personnel.	2
Summary of Statistics - Coal Production	3
Summary of Statistics - Employees	3
Tonnage by Coal Seams, County and Basin	4
Production, Mining, and Reclamation Statistics by Permit	5
Summary of Land Mined, Backfilled and Planted.	7
Permitting Activity.	8
Land Reclamation Committee Membership.	9
Land Reclamation Committee Functions and Duties.	10
Reclamation Results of Surface Mined Lands	11
2007 Reclamation Awards	12
Abandoned Mine Land Reclamation.	13
Acid Mine Drainage Section.	16
Mine Foreman and Fire Boss Examinations and Certifications.	18
Inspection and Enforcement Activities	18
Mining Permits Issued by Year and Permittee	19

TABLE OF CONTENTS

	<u>Page</u>
Executive Summary	1
Mining Program Personnel.	2
Summary of Statistics - Coal Production	3
Summary of Statistics - Employees	3
Tonnage by Coal Seams, County and Basin	4
Production, Mining, and Reclamation Statistics by Permit	5
Summary of Land Mined, Backfilled and Planted.	7
Permitting Activity.	8
Land Reclamation Committee Membership.	9
Land Reclamation Committee Functions and Duties.	10
Reclamation Results of Surface Mined Lands	11
2007 Reclamation Awards	12
Abandoned Mine Land Reclamation.	13
Acid Mine Drainage Section.	16
Mine Foreman and Fire Boss Examinations and Certifications.	18
Inspection and Enforcement Activities	18
Mining Permits Issued by Year and Permittee	19

EXECUTIVE SUMMARY

During calendar year 2007, Maryland operators produced 2,428,584 tons of coal. Surface coal mining production was 1,101,567 tons in Allegany County and 704,627 in Garrett County. Deep coal mining production was 622,390 tons, all in Garrett County. This figure represents a significant reduction of deep mine coal production from previous years due to Mettiki exhausting their longwall mining reserves in Garrett County.

Seventy-two permitting actions were received and seventy-nine permitting actions were issued, including issuance of two original permits, five permit increments, and five permit amendments, totaling 486 acres. Included in the permitting actions were 28 operator's license renewals. Other permit actions include: modifications, transfers and prospecting permits.

Six hundred eighty-one acres were affected, 245 acres backfilled, and 245 acres planted. Bond was totally released on 392 acres. There were three permits completed during 2007.

Nine hundred seventy-two inspections were performed on coal mining operations. Eight Notices of Violations were issued. Thirty-three Citizen Complaints were received and investigated and there were two cessation orders issued. There were twelve Bond Forfeitures during this calendar year.

The Land Reclamation Committee met 9 times and approved 7 reclamation plans. The Committee also evaluated the revegetation on 163 acres eligible for Phase II bond release and approved 77 acres as meeting the standards for release. There was one reclamation plan change during the year.

The Maryland Bureau of Mines, Abandoned Mine Land Section administers two programs to reclaim and/or restore land and water resources adversely affected by past coal mining practices. These two programs are: (1) Maryland-Federal Abandoned Mine Reclamation Program, and (2) Maryland Mine Reclamation Program. Seven federally funded projects were completed in 2007, under the Maryland-Federal Abandoned Mine Reclamation Program with construction costs totaling \$976,672. These projects stabilized land slides and stream channels, replaced the water supply for one residence and eliminated flooding for portions of the Town of Lonaconing. Two State funded projects were also completed in 2007 under the Maryland Mine Reclamation Program, with construction costs totaling \$5,310. These projects stabilized ponds and ditches on Buffalo Forfeited Permit 367 and diverted acid mine drainage from the Sagal residence.

The Acid Mine Drainage Section (AMDS), during the period of January 1, 2007 and December 31, 2007, completed construction of three new acid mine drainage (AMD) treatment systems. During the year, AMDS finalized design and received permits for two additional AMD remediation projects in the Aaron Run watershed with construction for both targeted for spring of 2008. A third project is under design in Aaron Run that will include an in-stream lime doser, stabilization of 500 linear feet of streambanks, and an AMD passive treatment system. Since AMD remediation efforts were initiated in 1992, a total of 33 mine drainage controls have been constructed and are continuously operated and maintained by Bureau of Mines personnel. Construction costs for the work completed by AMDS in 2007 totaled \$327,160 (\$50,000 funded by West Virginia Department of Environmental Protection, Title IV funds).

FOR CALENDAR YEAR 2007

MINING PROGRAM

C. Edmon Larrimore.....	Program Manager, Mining Program
Jeff Buser.....	Administrator II
Sallie Shuman.....	Administrative Officer I

BUREAU OF MINES

John E. Carey.....	Director, Bureau of Mines
Barbara E. Murphy.....	Office Secretary III

Abandoned Mine Lands Section

Michael P. Garner – Section Chief.....	Water Resources Engineer V
John C. Eilers.....	Energy Resources Administrator I
Bradley Nee.....	Water Resources Engineer IV
Mark Carney.....	Water Resources Engineer IV
Randall Matthews.....	Conservation Associate V
Scot Nicol.....	Conservation Associate III

Permitting and Regulatory Section

Alan V. Hooker– Section Chief.....	Geologist V
Jeffery Snyder.....	Engineer III
Mark Hajas.....	Geologist III
Michelle Arrington.....	AES III

Acid Mine Drainage Section

Constance A. Lyons – Section Chief.....	Natural Resources Planner V
Joseph E. Mills.....	Natural Resources Planner IV
Tamara Davis.....	Natural Resources Planner IV

Laboratory & Support Services

Mary Lynn Pegg – Section Chief.....	Geologist V
Julie O'Connor.....	Chemist IV

Mining Inspection and Compliance

William Murphy.....	Envir. Compliance Specialist III
Thomas P. Murray.....	Envir. Compliance Specialist IV

**FOR THE CALENDAR YEAR 2007
REPORT OF THE MARYLAND BUREAU OF MINES**

Coal production in Maryland during 2007 totaled 2,428,583.23 tons. Production in 2007 represents a decrease of 2,767,862.97 tons from the 2006 production of 5,196,446.20 tons.

SUMMARY OF 2007
STATISTICS¹

COAL PRODUCTION

Mining Method	Allegany County	Garrett County	Total
Strip	1,101,566.60	704,626.88	1,806,193.48
Deep	.00	622,389.75	622,389.75
Auger	.00	.00	.00
TOTALS	1,101,566.60	1,327,016.63	2,428,583.23

EMPLOYEES²

Type of Mine	Allegany County	Garrett County	Total
Deep	0	88	88
Strip	140	105	245
TOTALS	140	193	333

¹Reports submitted by Maryland mining operators.

²These figures do not include office, supervisor personnel, or independent truck haulers.

**FOR THE CALENDAR YEAR 2007
TONNAGE BY COAL SEAMS**

Allegheny County

Waynesburg	61,628.66
Sewickley (Tyson)	9,573.00
Redstone	149,149.44
Pittsburgh	737,263.53
Morantown	38,220.36
L. Pittsburgh	31,454.22
Franklin	73,784.62
Harlem	0
Bakerstown	0
Freeport	492.77
Kittanning	0
Federal Hill	0
Barton	0

TOTAL 1,101,566.60

Garrett County

Sewickley	21,163.61
Pittsburgh	31,034.06
Morantown	8,755.11
L. Pittsburgh	27,991.86
Franklin	118,303.84
Barton	265,880.24
Elk Lick	16,228.70
Harlem	13,068.35
Bakerstown	434,464.05
Upper Freeport	143,241.94
Freeport	204,732.68
Kittanning	0
Redstone	8,753.52
Evans	33,398.67

TOTAL 1,327,016.63

TONNAGE BY BASIN

Lower Youghiogheny	0
Upper Youghiogheny	0
Casselman	0
Casselman (Cherry Creek)	0
Potomac	1,116,023.59
George's Creek	1,312,559.64

TOTAL 2,428,583.23

CALENDAR YEAR 2007
COAL PRODUCTION, MINING AND RECLAMATION STATISTICS FOR ALLEGANY & GARRETT COUNTIES*

*This table includes all permits on which there was production, mining, backfilling or planting activity. This table does not include permits on which all bonds have been released or forfeited; or permits on which bonds are still held but no production or mining or reclamation activity occurred.

ALLEGANY COUNTY

Operator	Permit Number	Coal Seam Worked	Deep	PRODUCTION (TONS)		Auger	Acres Affected	Acres Backfilled	Acres Planted
				Strip	Auger				
Clise Coal Company, Inc.	404	Waynesburg		36,831.26			5.0	1.5	1.5
	449	Pittsburgh		31,727.59			5.0	0.0	0.0
		Pittsburgh		0.00			0.0	0.0	0.0
Cobra Mining, Inc.	184	Pittsburgh		14,353.46			7.0	0.0	0.0
	437	Morantown		1,661.87			--	--	--
		Redstone		205.47			--	--	--
Fairview Coal Co., Inc.	399	Pittsburgh		5,000.30			9.0	0.0	0.0
		Morantown		848.12			--	--	--
		Redstone		4,048.48			--	--	--
G & S Coal Company, Inc.	440	Pittsburgh		1,389.25			11.0	0.0	0.0
		L. Pittsburgh		30,867.10			--	--	--
		Morantown		3,695.55			--	--	--
Jenkins Development Co., Inc.	411	Waynesburg		24,323.85			30.5	20.5	20.5
	447	Pittsburgh		23,922.49			11.0	5.0	5.0
	451	Pittsburgh		25,966.60			43.0	0.0	0.0
Mountainair Mining Corp.		Morantown		25,966.56			--	--	--
		Redstone		1,659.18			--	--	--
	393	Pittsburgh		192,373.95			78.0	37.0	37.0
Patriot Mining Co., Inc.	407	Pittsburgh		8,893.35			4.0	0.0	0.0
		Morantown		510.37			--	--	--
		Redstone		18,069.11			--	--	--
Richie Trucking & Excavating, Inc.		Sewickley		1,059.92			--	--	--
		Freeport		64,337.32			--	--	--
	264	Franklin		63,158.12			9.0	0.0	0.0
Tri-Star Mining, Inc.	419	L. Pittsburgh		597.12			3.0	0.0	0.0
		Morantown		3,040.38			--	--	--
		Redstone		117,744.91			--	--	--
		Sewickley		8,514.08			--	--	--
		Waynesburg		473.55			--	--	--
		Franklin		8,447.30			13.0	0.0	0.0
Vindex Energy Corp.	338	Pittsburgh		0.00			1.0	0.0	0.0
	427	Pittsburgh		375,245.41			0.0	1.0	1.0
	432	Pittsburgh		0.00			50.0	0.0	0.0
Walker Bros. Mining, Inc.	453	Pittsburgh		5,428.62			6.0	0.0	0.0
		Morantown		2,586.39			--	--	--
		Redstone		4,251.28			--	--	--
Win-More Mining & Construction	433	Pittsburgh		0.00			0.0	10.0	10.0
TOTAL ALLEGANY COUNTY							285.5	65.0	65.0

GARRETT COUNTY

Operator	Permit Number	Coal Seam Worked	Deep	PRODUCTION (TONS) Strip	Auger	Acres Affected	Acres Backfilled	Acres Planted
ARJ Construction	DM111	Bardon	238,863.20			13.0	0.0	0.0
	DM112	Bakerstown	209,291.44			0.0	0.0	0.0
Backbone Mountain, LLC		Upper Freeport	143,241.84					
	421	Franklin		21,141.30		15.0	0.0	0.0
G & S Coal Company, Inc.	435	Bakerstown		15,829.30		8.0	17.0	17.0
		Elk Lick		11,298.40				
	441	Harlem		10,036.65				
		Bakerstown		8,298.30		0.0	0.0	0.0
	454	Elk Lick		4,930.30		10.0	0.0	0.0
		Harlem		3,031.70				
Mertlki Coal Corporation	428	Bakerstown	52,742.14			17.0	12.0	12.0
Moran Coal Company	DM101	Freeport	30,990.17			0.0	0.0	0.0
Patriot Mining Co., Inc.	445	L Pittsburgh	25,050.40			10.0	3.0	3.0
	446	Sewickley	19,422.97			8.0	0.0	0.0
Pine Mountain Coal Company	431	Bakerstown	148,098.67			85.1	55.7	55.7
	424	Pittsburgh	2,709.76			2.0	1.0	1.0
Savage Mountain Minerals, Inc.		Morantown		3,100.13				
		Redstone		833.98				
Tri-Star Mining, Inc.	448	Banton	27,217.04			11.0	0.0	0.0
	419	L Pittsburgh	28,324.30			(See	Allegheny	County)
		Redstone		2,931.46				
		Morantown		7,919.54				
		Sewickley		5,654.98				
		Franklin		1,740.84				
Vindex Energy Corporation	434	Franklin	57,077.55			29.0	23.0	23.0
		Evans	33,396.67					
WPD, Inc.	444	Franklin	40,084.99			77.0	37.0	37.0
	443	Freeport	148,176.39			99.0	31.0	31.0
	452	Freeport	25,564.12			11.0	0.0	0.0

TOTAL GARRETT COUNTY			622,389.75	704,626.88		395.1	179.7	179.7
TOTAL BOTH COUNTIES			622,389.75	1,806,193.48		680.6	244.7	244.7

FOR CALENDAR YEAR 2007
SUMMARY OF LAND MINED, BACKFILLED, AND PLANTED IN 2007
(By Geological Basin)

	<u>ACRES THIS YEAR</u>					Bond
	Permitted	Affected	Backfilled	Planted	Released*	
Allegany County:						
Georges Creek Basin	136.00	285.50	65.00	65.00	271.00	
Garrett County:						
Georges Creek Basin	86.00	119.00	61.00	61.00	121.00	
Potomac River Basin	122.00	276.10	118.70	118.70	0.00	
Casselman River Basin**	0.00	0.00	0.00	0.00	0.00	
Cherry Creek Basin	0.00	0.00	0.00	0.00	0.00	
Upper Yough Basin	0.00	0.00	0.00	0.00	0.00	
Lower Yough Basin	0.00	0.00	0.00	0.00	0.00	
TOTAL GARRETT COUNTY	208.00	395.10	179.70	179.70	121.00	
TOTAL BOTH COUNTIES	344.00	680.60	244.70	244.70	392.00	
<u>ACRES CUMULATIVE FROM JANUARY 1, 1975 - DECEMBER 31, 2007</u>						
Allegany County:						
Georges Creek Basin	7,897.30	6,629.00	5,513.47	5,548.30	4,924.00	
Garrett County:						
Georges Creek Basin	3,002.00	2,809.95	2,488.80	2,747.81	2,838.60	
Potomac River Basin	5,461.00	4,351.70	3,996.00	4,013.40	23.00	
Casselman River Basin**	1,416.60	1,135.00	1,260.50	1,142.20	1,265.80	
Cherry Creek Basin**	667.00	671.50	578.90	545.80	658.95	
Upper Yough Basin	216.00	157.35	215.35	189.30	261.50	
Lower Yough Basin	1,335.00	914.00	1,135.06	1,078.16	855.40	
TOTAL GARRETT COUNTY	12,097.60	10,039.50	9,674.61	9,716.67	5,904.25	
TOTAL BOTH COUNTIES	19,994.90	16,668.50	15,188.08	15,264.97	10,828.25	

*Total Bond Release by the Bureau.

**Total Casselman Geological Basin.

**PERMITTING ACTIVITY
CALENDAR YEAR 2007**

Type of Application	Surface Mines			Underground Mines			Other Facilities			Totals		
	App. Rec.	Issued	Acres	App. Rec.	Issued	Acres	App. Rec.	Issued	Acres	App. Rec.	Issued	Acres
Original Permits	2	2	123	0	0	0	0	0	0	2	2	123
Permit Increments	3	4	162	0	0	0	0	0	0	3	4	162
Modifications/Revisions With Acreage	21	10	97	1	0	0	1	1	0	23	10	97
Modifications/Revisions Without Acreage	25	19		3	1		0	0		28	20	
Transfers	4	6		0	2		1	0		5	8	
Renewals	3	3		0	0		2	1		5	4	
Prospecting Permits	1	1		0	0		0	0		1	1	
Prospecting Letter of Intent	8	6		0	0		0	0		8	6	
Operators License Original	1	1		1			0	0		2	2	
Operators License Renewals	23	23		4	4		0	0		27	27	
Totals	91	75	382	8	7	0	4	2	0	104	84	382

**FOR THE CALENDAR YEAR 2007
LAND RECLAMATION COMMITTEE**

Members:

The following members served on the Land Reclamation Committee during 2007:

DEPARTMENT OF THE ENVIRONMENT REPRESENTATIVES:

Ed Larrimore, Chairman, Water Management Administration
John E. Carey, Bureau of Mines

DEPARTMENT OF NATURAL RESOURCES REPRESENTATIVES:

Jim Mullan, Wildlife Division
Robert Webster, Forestry Division
Alan Klotz, Freshwater Fisheries

CITIZEN REPRESENTATIVES

Edgar Harman, Garrett County
Robert Davis, Allegany County

COUNTY REPRESENTATIVES:

Margaret Jamison, Garrett County
Tim Carney, Allegany County

SOIL CONSERVATION DISTRICT REPRESENTATIVES:

Craig Hartsock, Allegany Soil Conservation District
Shaun Sanders, Garrett Soil Conservation District

COAL INDUSTRY REPRESENTATIVES:

Vaughn Miller
Tim Schwinabart

FOR THE CALENDAR YEAR 2007
FUNCTIONS AND DUTIES OF THE LAND RECLAMATION COMMITTEE

The Land Reclamation Committee is responsible for the approval of all reclamation plans submitted, as part of an application for a permit, to the Bureau of Mines and for the oversight of land reclamation activities on surface coal mining operations in Maryland.

The Land Reclamation Committee visits proposed and active mining sites to:

- (1) Determine the suitability of proposed reclamation plans;
- (2) Review mining and reclamation progress; and
- (3) Evaluate the success of revegetation practices.

During 2007, the Land Reclamation Committee conducted site visits on 5 days. These visits included field reviews of 7 proposed mining sites and 20 revegetation sites to evaluate the success of the revegetation.

The Land Reclamation Committee conducts meetings to:

1. Review and approve reclamation plans;
2. Review reclamation progress on active mining permits;
3. Evaluate the revegetation on areas eligible for Phase II bond release;
4. Review the surface coal mining laws, regulations and policies and recommend changes to improve effectiveness of the Maryland Regulatory program; and
5. Recommend research and cost-sharing projects to promote optimum revegetation of mine lands.

During 2007, the Land Reclamation Committee met 9 times. During these meetings, the Land Reclamation Committee approved 7 reclamation plans, evaluated 163 acres of revegetation eligible for Phase II bond release and approved 77 acres as meeting the standards for release. There was no reclamation plan change during the year.

Reclamation Results Calendar Year 2007		
Bond Release Phase	Applicable Performance Standard	Acreage Released
Phase I	<ul style="list-style-type: none"> • Area restored to Approximate original contour • Topsoil replaced • Area seeded and mulched • Completion of all reclamation work on the permit or the open acre limit is reduced 	90
Phase II	<ul style="list-style-type: none"> • Revegetation established in accordance with approved reclamation plan and standards for success of revegetation met • The lands are not contributing suspended solids to stream flow or runoff outside the permit area • Temporary drainage control structures are removed or all permanent structures are inspected and approved • Land Reclamation Committee has inspected and approved the revegetation on the area 	463
Phase III	<ul style="list-style-type: none"> • Post-mining land use/productivity restored • Successful permanent vegetation established • Groundwater recharge, quality and quantity restored • Surface water quality and quantity restored • Applicable bond liability period has expired 	392

2007 RECLAMATION AWARD

Permit No. SM-97-429 ---- Tri-Star Mining Inc.

Tri-Star Mining Inc mined this 142-acre site located northwest of Barton, in Garrett County, Maryland. The site, that formerly was a farm, has been mined and reclaimed. Area that was once pasture has been returned to usable pasture, with the steeper slopes returned to woodland. To preserve water quality, wetlands disturbed by mining have been successfully replaced with constructed wetlands. The reclaimed site blends well with the surrounding area and can once again be a productive farm.

Past Reclamation Award Winners*

<u>Year</u>	<u>Name of Company</u>	<u>Permit</u>
1984	Bridgeview Coal Company	356
1985	Brashear Coal Company	264
1986	Buffalo Coal Company	366
1987	Delta Mining, Inc.	345
1988	Beener Coal Company	143
1989	Brashear Coal Company	264
1990	Action Mining Company	394
1991	Patriot Mining Company	406
1992	S & G Coal Company	348
1993	Buffalo Coal Company	215
1994	G & S Coal Company	365
1995	John Duckworth Coal	372
1996	Buffalo Coal Company	409
1997	Tri Star Mining Inc.	418
1998	G & S Coal Company	325
1999	Buffalo Coal Company	409
2000	Winner Bros. Coal Company	286
2001	Clise Coal Company	315
2002	Win-More Mining	273
2003	Pine Mountain Coal Company	420
2004	G & S Coal Company	365
2005	Mountaineer Mining Corp.	438
2006	Winner Brothers Coal Company	385

*Each year the LRC selects a coal mining operation to receive the reclamation award presented by the Maryland Coal Association. This award is given to an operator that has achieved outstanding reclamation on a permit site.

**FOR CALENDAR YEAR 2007
ABANDONED MINE LAND SECTION**

The Maryland Bureau of Mines administers two programs to reclaim and restore land and water resources adversely affected by coal mining practices. These two programs are: (1) *Maryland-Federal Abandoned Mine Reclamation Program*, implemented utilizing federal funds made available by the federal Surface Mining Control and Reclamation Act of 1977 (U.S. Public Law 95-87) under the authority of Environment Article, Title 15, Subtitle 11 of the Annotated Code of Maryland, and (2) *Maryland Mine Reclamation Program* implemented utilizing State funds from the Bituminous Coal Open-Pit Mining Reclamation Fund under the authority of Environment Article, Title 15, Subtitle 5; the Deep Mining Fund under the authority of Environment Article, Title 15, Subtitle 6; and the Mine Reclamation and Water Quality Restoration Loan of 1970 under the authority of Environment Article, Title 15, Subtitle 7.

Maryland - Federal Abandoned Mine Reclamation Program

The Maryland Abandoned Mine Land Reclamation Plan received Federal approval on July 16, 1982, thus enabling Maryland to receive Federal funds for the reclamation of abandoned mine lands. During 2007, grants awarded to Maryland by the U.S. Department of Interior, Office of Surface Mining, provided funds for the following abandoned mine land reclamation projects.

1. RAILROAD STREET MINE DRAINAGE CONTROL PROJECT

Location: Lonaconing, Allegany County.

Nature: Channelization and treatment of AMD emanating from two abandoned deep mine portals to eliminate flooding hazards to adjacent residences, public roadways, and public facilities.

Completion Date: April 18, 2007

Contractor: Kiddy Contracting, LLC

Contract Amount: \$ 484,378

Fund Source: MD-Federal AML Funds (\$ 384,378)
Watershed Coop Funds (\$ 100,000)

2. NORTH HILL ROAD GUARDRAIL INSTALLATION PROJECT

Location: 4.2 Miles Southeast of Oakland, Garrett County.

Nature: Installation of 275 linear feet of Guardrail along the shoulder of North Hill Road to eliminate health and safety hazards to vehicular traffic associated with a dangerous highwall located below the County Roadway,

Completion Date: July 7, 2007

Contractor: Garrett County Roads Dept. under Cooperative Agreement with the MDE, Bureau of Mines

Contract Amount: \$ 2,061.15

Fund Source: MD-Federal AML Funds

3. **TRI-STAR MINING PERMIT 436 LANDSLIDE STABILIZATION PROJECT**
 Location: 1 Mile South of Barton, Allegany County.
 Nature: Over excavation and Stabilization of 2 acres of dangerous landslide to eliminate health and safety hazards to vehicular traffic along the haulroad to Active Mining Permit SM-03-436.
 Completion Date: May 11, 2007
 Contractor: Tri-Star Mining, Inc.
 Contract Amount: \$ 24,995.00
 Fund Source: MD-Federal AML Funds

4. **GANNON REYNOLDS LANDSLIDE STABILIZATION PROJECT**
 Location: 1 Mile South of Barton, Allegany County.
 Nature: Over excavation and Stabilization of 2 acres of dangerous landslide to eliminate health and safety hazards to vehicular traffic along State Rt.36, and damage to adjacent public utilities.
 Completion Date: November 20, 2007
 Contractor: Excavating Associates, Inc.
 Cost: \$ 290,139.85
 Fund Source: MD-Federal AML Funds

5. **ECKHART SCHOOL STREAM CHANNEL STABILIZATION PROJECT**
 Location: ½ mile south of Frostburg, Allegany County
 Nature: Stabilization of 375 Feet of clogged stream and 2 acres of clogged stream land of an unnamed tributary to Braddock Run to eliminate flooding hazards to downstream public facilities and improved Property.
 Completion Date: November 20, 2007
 Contractor: Carl Belt, Inc.
 Cost: \$150,250.00
 Fund Source: MD-Federal AML Funds

6. **CROSSLAND WATER SUPPLY REPLACEMENT PROJECT**
 Location: 1 mile North of Midland, Allegany County
 Nature: Replacement of an Agricultural well water supply impacted by Surface Coal Interim Permit 227 Bond Forfeiture.
 Completion Date: September 27, 2007
 Cost: \$ 15,353.00
 Contractor: Sperry Drilling, Inc.
 Fund Source: MD-Federal AML Funds

7. **FILSINGER SPRUCE HOLLOW FLOOD MITIGATION PROJECT**
 Location: Clarysville, Allegany County
 Nature: Flood mitigation to the residence of Norman Filsinger to mitigate potential flood increases resulting from removal of the Spruce Hollow Railroad Embankment.
 Completion Date: September 4, 2007
 Contractor: Marshall Ruby, Inc.
 Cost: \$ 9,495.00
 Fund Source: MD-Federal AML Funds

Maryland Mine Reclamation Program

During 2007, the Maryland Bureau of Mines accomplished the following reclamation projects utilizing the Bituminous Coal Open-Pit Mine Reclamation Fund, including bond forfeitures or the Deep Mine Fund.

1. **BUFFALO COAL PERMIT 367 MINE FORFEITURE
RECLAMATION PROJECT - PHASE I**
Location: Kempton, Garrett County.
Nature: Cleaning, regrading and maintenance of 250
linear feet of perimeter Control diversion to
Pond 1 to provide drainage control from
disturbed areas.
Completion Date: July 7, 2007
Contractor: Pine Mt. Coal Company. Work completed
under BOM maintenance Contract.
Cost: \$ 1,230.15
Fund Source: Bond Forfeiture Money-Permit 367

2. **SAGAL MINE DRAINAGE CONTROL PROJECT**
Location: ½ mile west of Lonaconing, Allegany County along
Beachwood Hollow Road.
Nature: Installation of 110 linear feet of Subsurface
Drain to collect and divert AMD seepage
impacting the basement of the Sagal Residence.
Completion Date: August 8, 2007
Cost: \$ 4,080.00
Contractor: Pine Mt. Coal Company; Completed
utilizing BOM Maintenance Contract
Fund Source: Deep Mine Funds

STATE OF MARYLAND
BUREAU OF MINES
Annual Report 2007
Acid Mine Drainage Section
Constance A. Lyons, Section Chief
Joseph E. Mills, Natural Resources Planner IV
Randy Matthews, Conservation Associate V
Scot Nicol, Conservation Associate IV

The Acid Mine Drainage Section (AMDS), during the period of January 1, 2007 and December 31, 2007, completed construction of three new acid mine drainage (AMD) treatment systems. During the year, AMDS finalized design and received permits for two additional AMD remediation projects in the Aaron Run watershed with construction for both targeted for spring of 2008. A third project is under design in Aarons Run that will include a in-stream lime doser, stabilization of 500 linear feet of streambanks, and an AMD passive treatment system. Since AMD remediation efforts were initiated in 1992, a total of 33 mine drainage controls have been constructed and are continuously operated and maintained by Bureau of Mines personnel. Construction costs for the work completed by AMDS in 2007 totaled \$327,160 (\$50,000 funded by West Virginia Department of Environmental Protection, Title IV funds).

CRELLIN BORE HOLE DOSER PAD CONSTRUCTION PROJECT

PAD: MD 210 SGA

Federal Grant: ACSI FY 2003

Location: In West Virginia, ½ mile west of Crellin, Garrett County, Maryland.

Size: 1 acre.

Nature, Goal, Type of Treatment System: Construction of a Pad and associated infrastructure to construct a Limestone Doser at the site for treatment of Laurel Run, an acid impaired tributary of the Youghiogheny River.

Construction Start: August 2007

Pad Completion: December 2007

Estimated Cost: \$50,000

Funding Source: Title IV funds from West Virginia Department of Environmental Protection.

GETSON MINE LIMESTONE LEACH BED PROJECT

PAD: MD000128SGA

Federal Grant: 2006 Title IV Grant

Location: 1/2 mile south of Lonaconing, Allegany County, Maryland.

Size: 2 acres.

Nature, Goal, Type of Treatment System: Construction of an Alkaline Leach Bed. This system treats about 30 gallons of AMD per minute with a pH 6.0 and an iron concentration of about 5 mg/l. The resultant discharge pH is 7.0 with iron concentration of less than 1.0 mg/l with excess alkalinity.

Construction Start: August 2007

Construction Completion: September 2007

Cost: \$32,860

Fund Source: \$7,500 from 2006 Title IV Grant, \$25,360 from Watershed Cooperative Grant to the Georges Creek Watershed Association (\$2,500 was for administrative costs, not construction).

WINEBRENNER RUN PROJECT

PAD:

Federal Grant: EPA FFY05 Section 104(b)(3) Funds

Location: Midlothian, Allegany County, Maryland.

Size: Approximately 2 acres.

Nature, Goal, Type of Treatment System: Recovery of Winebrenner Run using a passive system demonstration of the use of Steel Slag. The discharge from this site is a maximum of 100 gpm, with pH ranges of 2.9 – 3.9 and iron content 500 – 600 mg/l.

Construction Start: September 2007

Construction Completion: November 2007

Cost: \$244,300 for construction of the AMD portion.

Funding Source: EPA funds of \$154,000, \$25,000 AML Title IV funds, \$3,500 30% Set Aside funds, and \$61,800 OSM Watershed Cooperative Funds through WMRC&D.

FOR CALENDAR YEAR 2007

**MINE FOREMAN AND FIRE BOSS
EXAMINATIONS AND CERTIFICATIONS**

The number of Mine Foreman and Fire Boss applicants examined and certified from 1993 through 2007 are identified below.

YEAR	APPLICANTS EXAMINED		APPLICANTS CERTIFIED	
	Mine Foreman	Fire Boss	Mine Foreman	Fire Boss
2007	1	12	1	12
2006	6	5	15*	5
2005	0	0	0	0
2004	1	4	3	4
2003	0	0	0	0
2002	12	2	12	2
2001	0	0	0	0
2000	14	8	14	8
1999	17	5	17	5
1998	13	5	13	5
1997	18	5	18	5
1996	0	0	4	0
1995	0	0	14	0
1994	24	4	24	4
1993	25	8	25	8

*Five Mine Foreman certifications were issued in accordance with the reciprocity agreement between West Virginia and Maryland.

**INSPECTION AND ENFORCEMENT ACTIVITIES
2003-2007**

TYPE OF ACTION	2003	2004	2005	2006	2007
Inspections	919	879	1,019	934	972
Notices of Violations	19	17	26	70	8
Cessation Orders	4	2	0	32	2
Citizen Complaints	27	30	30	27	33
Bond Forfeitures	0	1	0	1	12

MINING PERMITS ISSUED BY YEAR AND PERMITTEE

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
1	1955	The George's Creek Lumber Company*
2	1955	Allegany Engineering Company*
3	1955	B.M.W. Coal Company*
4	1955	Old Hampshire Coal Company, Inc.*
5	1955	Car and Goffely Construction Co.*
6	1955	M.H. Bigan Coal Company*
7	1955	Moran Coal Company*
8	1955	Allegany Engineering Company*
9	1955	Schell Mining Company, Inc.*
10	1955	B & U Coal Company*
11	1955	Morgan Contracting Company**
12	1955	Romadale Coal Corporation*
13	1955	Cross Fuel Company*
14	1955	Highland Construction Company*
15	1955	Phoenix Big Vein Coal Company (Repermitted 338)*
16	1955	Moran Coal Company*
17	1955	T.J. Cramblett**
18	1955	Moscow-Georges Creek Coal Company*
19	1955	J.R. Thrasher Contracting & Stripping Co.*
20	1956	Moran Coal Company (Repermitted 333)*
21	1956	Schell Mining Company, Inc.**
22	1956	Savage Coal Company*
23	1956	Moran Coal Company*
24	1956	The Georges Creek Coal & Land Co.*
25	1957	Charles T. Clise*
26	1957	Allegany Engineering Company*
27	1957	Goodwill Fuel Company*
28	1957	D.B.&B. Coal Company*
29	1957	Queen George's Creek Coal Company**
30	1957	Mack Coal Company**
31	1957	White Crest Coal Company, Inc.**
32	1957	D.B.&B. Coal Company*
33	1957	Moran Coal Company*
34	1957	Chelsie A. Liller*
35	1957	J.E. George Trucking Company**
36	1957	D.B.&B. Coal Company*
37	1957	J.&M. Coal Company**
38	1957	Casey Construction Company**
39	1958	Moran Coal Company*
40	1958	United Energy Coal, Inc. **
41	1958	Buffalo Coal Company, Inc.*
42	1958	Casey Construction Company**
43	1958	Sara-Ki Coal Company, Inc.*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
44	1958	Yantus & Zubek Coal Company*
45	1958	Moran Coal Company*
46	1958	Casey Construction Company**
47	1958	Moran Coal Company*
48	1958	Moran Coal Company*
49	1958	Sara-Ki Coal Company, Inc.*
50	1958	Laurel Creek Company, Inc.**
51	1958	D.B.&B. Coal Company**
52	1958	Moon and Sons*
53	1959	George L. Smith Contracting Company*
54	1959	The Georges Creek Lumber Company*
55	1959	Moran Coal Company*
56	1959	North Branch Coal Corporation*
57	1959	George Coal Company**
58	1959	Samuel Compton & Company**
59	1959	Hoover & White*
60	1959	Laurel Creek Company, Inc.**
61	1959	The Eddy Fuel Company**
62	1959	J.R. Thrasher Contracting & Stripping Co.*
63	1959	Pittsburgh Coal Company*
64	1959	Mineral Coal Company, Inc., of West Virginia*
65	1959	Laurel Creek Company, Inc.*
66	1959	The Georges Creek Lumber Company*
67	1959	Chelsie A. Liller*
68	1959	Casey Contracting Company**
69	1959	Pine Mountain Coal Company*
70	1959	Opel and Breneman*
71	1959	The Georges Creek Lumber Company*
72	1959	P.&J. Coal Company*
73	1959	Casey Contracting Company**
74	1959	Goodwill Fuel Company*
75	1959	D.B.&B. Coal Company*
76	1960	Baughman Contracting Company, Inc.*
77	1960	P&K Coal Company*
78	1960	Morgan Contracting Company*
79	1960	Buffalo Coal Company, Inc.*
80	1960	Buffalo Coal Company, Inc.*
81	1960	Randall Robertson*
82	1960	Hoover & White**
83	1960	James E. George*
84	1960	B.M.W. Coal Company, Inc.*
85	1960	Casey Contracting Company**
86	1960	Beener Coal Company*
87	1960	Moran Coal Company, Inc.*
88	1960	D&K Coal Company*
89	1960	Breneman Brothers*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
90	1960	Mack Coal Company*
91	1960	Clarence Rodamar*
92	1960	James E. George*
93	1961	Casey Contracting Company**
94	1961	Winner Brothers*
95	1961	Moran Coal Company, Inc.*
96	1961	Big Vein Coal Company*
97	1961	Maryland Fuel Company, Inc.*
98	1961	Yantus-Zubek Coal Company*
99	1961	J.R. Thrasher Contracting & Stripping Co.*
100	1961	Trefall Bros., Inc.*
101	1961	Mack Coal Comany*
102	1961	C.A. Liller Company*
103	1961	Cross & Brumage Coal Company*
104	1961	Beener Coal Company*
105	1961	D&K Coal Company*
106	1961	Mack Coal Company*
107	1961	Yantus and Zubek*
108	1961	Potomac Mining Company*
109	1962	Casey Contracting Company*
110	1962	Wilhelm Coal Company*
111	1962	The Georges Creek Lumber Company*
112	1962	Clark Coal Company*
113	1962	Casey Contracting Company*
114	1962	Casey Contracting Company*
115	1962	Douglas Coal Company*
116	1962	Red Lion Mining Corporation**
117	1962	Ebensburg Coal and Clay Company*
118	1963	James E. George*
119	1963	Ebensburg Coal and Clay Company*
120	1963	J.R. Thrasher Contracting & Stripping Co.*
121	1963	Moran Coal Company, Inc.*
122	1963	Buffalo Coal Company, Inc.*
123	1963	J.R. Thrasher Contracting & Stripping Co.*
124	1963	Win-More Mining & Construction Co., Inc.*
125	1963	Beener Coal Company*
126	1964	W.R. Nethken and Company, Inc.*
127	1964	Mack Coal Company*
128	1964	J.R. Thrasher Contracting & Stripping Co.*
129	1964	J. Russell Cravener*
130	1964	Chelsie A. Liller*
131	1964	The Georges Creek Lumber Company*
132	1964	Brenneman Brothers*
133	1965	W.R. Nethken and Company, Inc.*
134	1965	Richards and Parnell Coal Company*
135	1965	William Brashear*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
136	1965	W.R. Nethken and Company, Inc.*
137	1965	G&S Coal Company, Inc.*
138	1966	J.R. Thrasher Contracting & Stripping Co.*
139	1966	J.R. Thrasher Contracting & Stripping Co.*
140	1966	Shallmar Coal Company, Inc.*
141	1966	Randall Robertson**
142	1966	Ace Drilling Coal Company, Inc.*
143	1966	Beener Coal Company*
144	1966	Clarence Rodamer*
145	1967	Ginniman Coal Company*
146	1967	Raymond A. Wolf Mining Company*
147	1967	Menallen Coke Company*
148	1967	Russel Shafer*
149	1967	Homage Coal Co. (Emmett Dupstadt)*
150	1967	Twin States Coal Company**
151	1967	M.F. Fetterolf Coal Company, Inc.*
152	1967	Ebensburg Coal and Clay Company*
153	1968	Raymond A. Wolf Mining Co. (UPRC)*
154	1968	Michael Rostosky*
155	1968	Ginniman & Ware Coal Company*
156	1968	Harold H. Upole Coal Company*
157	1968	T.G.&C. Coal Company, Inc.*
158	1969	Clarence Rodamer Coal Company*
159	1969	Michael Rostosky Coal Company*
160	1969	Russel Shafer Coal Company*
161	1969	Buffalo Coal Company, Inc.*
162	1969	J.R. Thrasher Contracting & Stripping Co.***
163	1969	Buffalo Coal Company, Inc.*
164	1969	Union Coal Company*
165	1970	Win-More Mining & Construction Co., Inc.*
166	1970	Ginniman Coal Company*
167	1970	Upperman Coal Company*
168	1970	Frank Pufford**
169	1970	Winner Bros. Coal Company, Inc.*
170	1970	Russel Shafer*
171	1970	The Chief Coal Company*
172	1970	Mary Ruth Corporation*
173	1970	Oakland Coal Company*
174	1971	Bernard C. Drees*
175	1971	Delta Mining, Inc.*
176	1971	D&K Coal Company, Inc.*
177	1971	T.G.&C. Coal Company, Inc.*
178	1971	Emmett Dupstadt*
179	1971	Somerset Excavating, Inc.*
180	1971	Ayers Coal Company*
181	1971	Delta Mining, Inc.*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
182	1971	Patriot Mining Company, Inc.*
183	1971	Chief Coal Company*
184	1971	Cobra Mining, Inc.
185	1971	Bessemer Iron & Coal Company*
186	1971	Coal Lick Coal Company*
187	1971	Phillips Big Vein Coal Company*
188	1971	Ace Drilling Coal Company, Inc.*
189	1971	Buffalo Coal Company, Inc.*
190	1971	Buffalo Coal Company, Inc.*
191	1971	Keystone Coal and Development Company (Liability Assumed by Garrett County Roads Department)
192	1971	Ace Drilling Company, Inc.*
193	1972	Wilhelm Coal, Inc.*
194	1972	M.F. Fetterolf Coal Company, Inc.***
195	1972	Buffalo Coal Company, Inc.*
196	1972	Bessemer Iron & Coal Company*
197	1972	Grafton Coal Company*
198	1972	Jet Fuel Coal Company*
199	1972	Bessemer Iron & Coal Company*
200	1972	Chief Coal Company*
201	1972	Brashear Coal Company*
202	1972	Winner Bros. Coal Company, Inc.*
203	1972	Mary Ruth Corporation*
204	1972	Grafton Coal Company*
205	1972	Chief Coal Company*
206	1972	Upperman Coal Company*
207	1972	United Energy Coal, Inc. **
208	1973	Sanner Bros. Coal Company*
209	1973	Delta Mining, Inc.*
210	1973	Markat, Inc.*
211	1973	Oakland Coal Company*
212	1973	Bessemer Iron & Coal Company*
213	1973	Clise Coal Company
214	1973	Inter-State Lumber Company*
215	1973	Buffalo Coal Company, Inc.*
216	1973	Brashear Coal Company***
217	1973	Bernard Drees Coal Company*
218	1973	Buffalo Coal Company, Inc.*
219	1973	G&S Coal Company, Inc.*
220	1974	Evans Coal Company*
221	1974	Bridgeview Coal Company*
222	1974	John Duckworth Coal Company*
223	1974	Edward Mikel*
224	1974	Delta Mining, Inc.*
225	1974	Northwest Coal Company, Inc.*
226	1974	Thrasher Coal Company**

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
227	1974	Winner Bros. Coal Company, Inc.*
228	1974	Bittinger Coal Company*
229	1974	Charles M. Filsinger*
230	1974	G&H Coal Company, Inc.*
231	1974	Hi-Note, Inc.*
232	1974	Buffalo Coal Company, Inc.*
233	1974	Oliver Mining Company**
234	1974	Clise Coal Company*
235	1974	Markat, Inc.*
236	1974	Delta Mining, Inc.*
237	1974	Bridgeview Coal Company*
238	1974	Burnham Coal Company, Inc.*
239	1974	Highland Mining*
240	1974	Buffalo Coal Company, Inc.*
241	1975	Buffalo Coal Company, Inc.*
242	1975	Hopwood Strip Mine, Inc.**
243	1975	Ponderosa Coal Company, Inc.*
244	1975	Markat, Inc.*
245	1975	Phillips Coal, Inc.*
246	1975	Lambert Coal Company*
247	1975	United Energy Coal, Inc. **
248	1975	Buffalo Coal Company, Inc.*
249	1975	Cobra Fuels*
250	1975	Laoc Coal Company*
251	1975	Tower Resources, Inc.*
252	1975	Phillips Coal, Inc.*
253	1975	Pine Mt. Coal Company*
254	1975	T.G.&C. Coal Company*
255	1975	Allegheny Mining Company*
256	1975	Bridgeview Coal Company*
257	1975	A&R Coal Company*
258	1975	Clinton Coal Company**
259	1975	Tower Resources, Inc.*
260	1975	Yough Tree Farm*
261	1975	Russel Shafer***
262	1975	Northwest Coal Company**
263	1975	Allegheny Mining Corporation*
264	1975	Brashear Coal Company
265	1975	Bittinger Coal Company*
266	1975	Delta Mining, Inc.*
267	1975	Bittinger Coal Company*
268	1975	Clyde Marsh Coal Company*
269	1975	Hungry Hollow Coal Company*
270	1975	Clise Coal Company*
271	1975	A&R Coal Company*
272	1975	Action Mining, Inc.*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
273	1975	Win-More Mining & Construction *
274	1975	Evans Coal Company*
275	1975	Buffalo Coal Company, Inc.*
276	1975	Buffalo Coal Company, Inc.*
277	1975	Allegheny Mining Corporation *
278	1976	Inter-State Lumber Company*
279	1976	Buffalo Coal Company, Inc.*
280	1976	Delta Mining, Inc.*
281	1976	Rondell Company*
282	1976	Phillips Coal, Inc.*
283	1976	G&H Coal Company, Inc.*
284	1976	Tower Resources, Inc.*
285	1976	Clinton Coal Company**
286	1976	Winner Bros. Coal Company, Inc.*
287	1976	T.L. Moran, Inc.*
288	1976	Delta Mining, Inc.*
289	1976	Pine Mt. Coal Company*
290	1976	Delta Mining, Inc.*
291	1976	George Nolan**
292	1976	Alexander Coal Co.*
293	1976	Pine Mt. Coal Company*
294	1976	Arlen Miller***
295	1976	Action Mining, Inc.*
296	1976	Bessemer Iron & Coal Company**
297	1977	Oakland Coal Company *
298	1977	Bittinger Coal Company*
299	1977	Inter-State Lumber, Inc.*
300	1977	Garbart Coal Company*
301	1977	Pine Mt. Coal Company*
302	1977	L.C. Coal Company, Inc.*
303	1977	Ginniman Brothers Coal Company**
304	1977	Buffalo Coal Company, Inc.*
305	1977	Wood Products, Inc.*
306	1977	Bridgeview Coal Company*
307	1977	T.L. Moran, Inc.*
308	1977	Best Coal Stripping, Inc.**
309	1977	Delta Mining, Inc.*
310	1977	Oakland Coal Company*
311	1977	Primrose Coal Company*
312	1977	R.A.K. Coal Company, Inc.**
313	1977	G&S Coal Company*
314	1977	Wilhelm Coal, Inc.**
315	1977	Clise Coal Company*
316	1977	Brawal Mining, Inc.*
317	1977	John R. Livingston**
318	1977	Winner Bros. Coal Company, Inc. *

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
319	1977	John Duckworth Coal Company*
320	1977	Kelley Enterprises*
321	1978	Delta Mining, Inc.*
322	1978	Bridgeview Coal Company*
323	1978	Ayers Coal Company*
324	1978	John Duckworth Coal Company*
325	1978	G&S Coal Company, Inc.*
326	1978	Buffalo Coal Company, Inc.
327	1978	Buffalo Coal Company, Inc.*
328	1978	Buffalo Coal Company, Inc.*
329	1978	Winner Bros. Coal Company, Inc.*
330	1978	Inter-State Lumber Company*
331	1978	R.A.K. Coal Company***
332	1978	Seneca Mining Company*
333	1978	Westvaco Corporation*
334	1978	Buffalo Coal Company, Inc.*
335	1978	Inter-State Lumber Company**
336	1978	Inter-State Lumber Company*
337	1978	Kirby Energy, Inc.*
338	1978	Barton Mining Company, Inc.
339	1978	Wilhelm Coal, Inc.*
340	1978	Fetterolf Mining, Inc.*
341	1979	Eastern Mining Systems, Inc.**
342	1979	Primrose Coal Company*
343	1979	L. C. Coal Company*
344	1979	Bridgeview Coal Company*
345	1979	Delta Mining, Inc.**
346	1979	Inter-State Lumber Company*
347	1979	Kelley Enterprises*
348	1979	Schwinabart & Green, Joint Venture*
349	1979	Wilhelm Coal, Inc.**
350	1980	Bridgeview Coal Company*
351	1980	Winner Bros. Coal Company, Inc.*
352	1980	John Duckworth Coal Company*
353	1980	Winner Bros. Coal Company, Inc.*
354	1980	Brawal Mining, Inc.*
355	1980	Hi-Note, Inc.*
356	1980	G&S Coal Company, Inc.***
357	1980	Richard Duckworth Coal Company*
358	1980	Bridgeview Coal Company*
359	1980	Buffalo Coal Company, Inc.**
360	1980	Buffalo Coal Company, Inc.*
361	1980	Pamela Mines, Inc.**
362	1980	Alpha Mining, Inc.*
363	1980	Pamela Mines, Inc.**

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
364	1980	John Duckworth Coal Company*
365	1980	G&S Coal Company, Inc.
366	1980	Buffalo Coal Company, Inc.*
367	1980	Buffalo Coal Company, Inc.**
368	1980	United Energy Coal, Inc.**
369	1980	Bittinger Coal Company*
370	1982	Keystone Mt. Development Company*
371	1982	Eagle Mining, Inc.*
372	1982	John Duckworth Coal Company
373	1982	Kirby Energy, Inc. **
374	1982	Winner Bros. Coal Company, Inc. *
375	1982	Win-More Mining & Construction Company *
376	1982	Jones Coal, Inc.**
377	1982	Allegheny Mining Corporation*
378	1982	Delta Mining, Inc.**
379	1982	Masteller Coal Company*
380	1982	Fairview Coal Company (Repermitted 399)*
381	1982	Richard Duckworth Coal Company*
382	1983	Pine Mt. Coal Company*
383	1983	Allegheny Mining Corporation*
384	1983	Evans Coal Company*
385	1983	Winner Bros. Coal Company, Inc.
386	1983	Jones Mining, Inc.*
387	1983	Hilltop Construction Company**
388	1983	Fetterolf Mining, Inc.*
389	1983	Winner Bros. Coal Company, Inc.*
390	1983	C.J. Merlo, Inc.*
391	1983	Oak Springs Coal Company*
392	1984	Westvaco Resources, Inc.*
393	1984	Patriot Mining Company, Inc.
394	1984	Action Mining, Inc.*
395	1984	Stan-Jan Excavating, Inc.*
396	1984	Allegheny Mining Corporation*
397	1985	Michael R. McGowan*
398	1985	Brashear Coal Company
399	1985	Fairview Coal Company
400	1985	Delta Mining, Inc.*
401	1985	Buffalo Coal Company, Inc.***
402	1985	Pine Mt. Coal Company*
403	1985	T.D. Mining Company**
403	2003	United Energy, Inc.**
404	1986	Clise Coal Company
405	1986	Jones Coal, Inc.**
406	1986	Patriot Mining Company, Inc.*
407	1986	Ritchie Trucking & Excavating
408	1986	Tri Star Mining, Inc.*
409	1986	Buffalo Coal Company, Inc.*

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
410	1987	J. Waller Wassell*
411	1987	Jenkins Development Company
412	1987	John Duckworth Coal Company***
413	1988	Buffalo Coal Company, Inc.*
414	1989	United Energy Coal, Inc.**
415	1989	Pine Mt. Coal Company*
416	1989	Action Mining, Inc.*
417	1989	Tri Star Mining, Inc.*
418	1991	Tri Star Mining, Inc.*
419	1991	Tri Star Mining, Inc.
420	1991	Pine Mt. Coal Company *
421	1992	G&S Coal Company, Inc.
422	1992	Buffalo Coal Company, Inc. **
423	1992	United Energy Coal, Inc. **
424	1995	Pine Mt. Coal Company
425	1995	Tri Star Mining, Inc.*
426	1996	Tri Star Mining, Inc.*
427	1996	Barton Mining Company, Inc.
428	1997	Mettiki Coal, LLC
429	1997	Tri Star Mining, Inc.
430	1998	G&S Coal Company, Inc.
431	1998	Patriot Mining Company, Inc.
432	1999	Barton Mining Company, Inc.
433	1999	Win-More Mining & Construction
434	1999	Tri Star Mining, Inc.
435	2000	G&S Coal Company, Inc.
436	2000	Brashear Coal Mines
437	2001	Cobra Mining, Inc.
438	2001	Mountaineer Mining Corp.
439	2001	Patriot Mining Company, Inc.
440	2001	G&S Coal Company, Inc.
441	2002	G&S Coal Company, Inc.
442	2002	Buffalo Coal Company, Inc.
443	2002	Vindex Energy Corporation
444	2003	Tri Star Mining, Inc.
445	2004	Moran Coal Company
446	2004	Moran Coal Company
447	2005	Jenkins Development Company
448	2005	Savage Mountain Minerals, Inc.
449	2005	Clise Coal Company
450	2006	LAOC Corporation ***
451	2006	Mountaineer Mining Corporation
452	2006	WPO, Inc.
453	2007	Walker Brothers Mining, Inc.
454	2007	G&S Coal Company, Inc.

DEEP MINES

DM 101	1977	Mettiki Coal, LLC
DM 102	1977	Masteller Coal Company*
DM 103	1977	Mt. Top Coal Company*
DM 104	1977	Mettiki Coal Corporation
DM 105	1977	Mettiki Coal Corporation
DM 106	1978	A&J Coal Corporation**
DM 107	1982	Masteller Coal Company*
DM 108	1989	Anker West Virginia Mining Co., Inc.
DM 109	1991	Anker West Virginia Mining Co., Inc.
DM 110	1992	Masteller Coal Company**
DM 111	2000	George Creek, Inc.
DM 112	2003	Backbone Mountain, LLC

<u>Permit</u>	<u>Year</u>	<u>Permittee</u>
<u>No.</u>	<u>Issued</u>	

TIPPLES AND GOB PILES

SC-83-101	1983	Buffalo Coal Company*
SC-83-102	1983	Buffalo Coal Company*
SC-83-103	1983	Buffalo Coal Company*
SC-83-104	1983	Buffalo Coal Company**
SC-83-105	1983	Buffalo Coal Company*
SC-83-106		Permit Not Issued
SC-83-107	1983	Delta Coal Sales, Inc.**
SC-83-108	1984	Delta Coal Sales, Inc.*
SC-83-109		Permit Not Issued
SC-83-110	1983	United Energy Coal, Inc.**
SC-83-111	1983	Westvaco Corporation*
SC-83-112	1983	United Energy Coal, Inc.*
SC-83-113		Permit Not Issued
SC-83-114	1984	Ever, Inc.*
SC-83-115		Permit Not Issued
SC-87-116	1987	Franklin Coal Yard, LLC
SC-87-117	1987	Tri Star Mining, Inc.
SC-87-118	1987	Patriot Mining Company, Inc.
SC-06-119	2006	Clise Coal Company, Inc.
SC-07-120	2007	G&S Coal Company, Inc.

* Operation Completed and Bond Released

** Forfeiture of Bond

*** Not Activated