

CALENDAR YEAR 2000
SEVENTY-NINTH ANNUAL REPORT
of the
MARYLAND BUREAU OF MINES



HON. PARRIS N. GLENDENING
Governor of Maryland

DEPARTMENT OF THE ENVIRONMENT
JANE T. NISHIDA, Secretary

WATER MANAGEMENT ADMINISTRATION
J. L. HEARN, Director

MINING PROGRAM
C. EDMON LARRIMORE, Program Manager

BUREAU OF MINES
JOHN E. CAREY, Director



MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore, Maryland 21224
(410) 631-3000 • 1-800-633-6101 • [http:// www. mde. state. md. us](http://www.mde.state.md.us)

Parris N. Glendening
Governor

Jane T. Nishida
Secretary

Water Management Administration
Bureau of Mines
160 South Water Street * Frostburg, Maryland 21532
Telephone: (301) 689-6104

A MESSAGE FROM THE SECRETARY

Protecting and restoring Maryland's environment requires the participation and cooperation of all members of society, including businesses, citizens, and all levels of government. MDE's primary mission is to protect and restore the quality of Maryland's air, water and land resources for the benefit of the environment, public health and future generations, while also supporting and balancing economic development to ensure an excellent quality of life for all Marylanders. We believe that a strong economy and a clean environment, not only go hand-in hand, but are mutually reinforcing. The information in this publication is designed to increase your understanding of our programs.

Jane T. Nishida

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EXECUTIVE SUMMARY

During Calendar Year 2000, Maryland operators produced 4,621,604 tons of coal. Surface coal mine production was 1,373,899 tons — 971,636 in Allegany County and 402,263 in Garrett County. Deep coal mine production was 3,247,705 tons, all in Garrett County.

Seventy-two permitting actions were received and 72 permitting actions were issued, including issuance of three original permits and ten permit amendments totaling 167 acres.

One hundred fifty acres were affected, 166 acres backfilled, and 138 acres planted. Bond was totally released on 167 acres. Seven permits were completed, with bond being totally released. There were no permits forfeited.

Eight hundred nineteen inspections were performed on coal mining operations. Twelve Notices of Violations were issued. Thirty-six Citizen Complaints were received and investigated.

The Land Reclamation Committee met six times and approved six reclamation plans. The Committee also evaluated the revegetation on 182 acres eligible for Phase II bond release and approved 182 acres as meeting the standards for release, and approved 3 reclamation plan changes.

During 2000, there were 3 abandoned mine land projects under construction which included 27 acres and totaled \$1,382,008. There was one forfeiture project under construction which included 27 acres and totaled \$165,585.

FOR CALENDAR YEAR 2000

MINING PROGRAM

C. Edmon Larrimore..... Program Manager, Mining Program
 Ruth D. Booth..... Administrator

BUREAU OF MINES

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

Abandoned Mine Lands Section

Fred L. Bagley..... Acting Section Chief (1/00-3/00)
 Michael P. Garner..... Section Chief (3/00)
 John C. Eilers..... Energy Resources Administrator
 Bradley Nee..... Water Resources Engineer
 Randall Matthews..... Conservation Associate

Permitting and Regulatory Section

Stephen M. Layton..... Section Chief
 Mark Carney..... Water Resources Engineer
 Alan V. Hooker..... Energy Resources Administrator
 Sallie Shuman..... Administrative Specialist

Planning, Research & Development Section

Constance A. Lyons..... Section Chief
 Tobias C. Joy..... Natural Resources Planner
 Joseph E. Mills..... Natural Resources Planner

Laboratory & Support Services

Mary Lynn Pegg..... Laboratory Scientist
 Julie O'Connor..... Chemist
 J. Edward Lyons..... Computer User Support Specialist

Mining Inspection and Compliance

Raymond Karlstrand..... Field Supervisor
 Larry Johnson..... Env. Compliance Specialist
 Thomas P. Murray..... Env. Compliance Specialist

**FOR THE CALENDAR YEAR 2000
 REPORT OF THE MARYLAND BUREAU OF MINES**

Coal production in Maryland during 2000 totalled 4,621,604.39 tons. Production in 2000 represents an increase of 499,981.32 tons from the 1999 production of 4,121,623.07 tons.

SUMMARY OF 2000 STATISTICS¹

COAL PRODUCTION

Mining Method	Allegheny County	Garrett County	Total
Strip	971,636.37	402,262.63	1,373,899.00
Deep	.00	3,247,705.39	3,247,705.39
Auger	.00	.00	.00
TOTALS	971,636.37	3,649,968.02	4,621,604.39

EMPLOYEES²

Type of Mine	Allegheny County	Garrett County	Total
Deep	0	276	276
Strip	91	33	124
TOTALS	91	309	400

¹Reports submitted by Maryland mining operators.

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

**FOR THE CALENDAR YEAR 2000
TONNAGE BY COAL SEAMS**

<u>Allegheny County</u>	
Waynesburg	39,948.42
Sewickley (Tyson)	177,368.58
Redstone	244,585.46
Pittsburgh	340,504.88
Morantown	69,124.89
L. Pittsburgh	87,589.23
Franklin	28,411.77
Harlem	0
Bakerstown	4,125.14
Freeport	0
Kittanning	0
Federal Hill	0
Barton	0
TOTAL	971,636.37

<u>Garrett County</u>	
Sewickley	8,248.59
Pittsburgh	60,820.94
Morantown	24,697.52
L. Pittsburgh	887.15
Franklin	21,102.13
Barton	152,098.85
Elk Lick	0
Harlem	0
Bakerstown	520,985.00
Brush Creek	0
Freeport	2,827,356.33
Kittanning	18,468.55
Redstone	15,502.96
TOTAL	3,649,968.02

TONNAGE BY BASIN

Lower Youghiogheny	0
Upper Youghiogheny	0
Casselman	0
Casselman (Cherry Creek)	0
Potomac	3,374,576.98
George's Creek	1,247,027.41
TOTAL	4,621,604.39

HISTORICAL COAL PRODUCTION BY COUNTY AND TYPE OF MINING

YEAR	ALLEGHENY COUNTY		GARRETT COUNTY		STATE TOTAL
	STRIP*	DEEP	STRIP*	DEEP	
2000	971,636.37	971,636.37	402,282.63	3,247,705.39	4,621,604.39
1999	578,571.40	578,571.40	222,756.90	3,320,294.77	4,121,623.07
1998	535,720.69	535,720.69	202,474.82	3,280,223.85	4,018,419.36
1997	614,588.94	614,588.94	267,874.42	3,274,188.01	4,156,651.37
1996	599,799.11	599,799.11	176,706.53	3,186,347.63	3,982,853.27
1995	633,185.42	633,185.42	147,775.51	2,848,570.41	3,629,531.34
1994	631,249.25	631,249.25	165,890.01	2,803,048.97	3,600,188.23
1993	507,668.57	507,668.57	341,887.55	2,507,016.83	3,356,552.95
1992	698,015.37	698,015.37	357,935.69	2,383,314.12	3,439,265.18
1991	781,671.55	781,671.55	378,832.57	2,542,364.32	3,702,868.44
1990	1,056,810.54	1,056,810.54	457,300.32	1,989,527.34	3,513,638.20
1989	887,025.49	887,025.49	675,180.16	1,826,443.65	3,368,629.30
1988	562,139.94	562,139.94	642,948.91	2,014,828.42	3,219,917.27
1987	790,903.09	790,903.09	810,168.55	2,332,554.30	3,933,623.94
1986	696,377.39	696,377.39	786,429.97	2,572,505.11	4,055,312.47
1985	543,960.99	543,960.99	676,274.41	1,842,595.67	3,062,831.07
1984	730,135.35	730,135.35	1,145,507.03	2,117,657.44	3,983,299.82
1983	568,716.82	568,716.82	981,550.36	1,536,568.39	3,086,835.57
1982	814,102.83	814,102.83	1,058,360.96	1,587,428.07	3,459,891.66
1981	1,275,576.42	1,275,576.42	1,272,911.65	1,903,071.24	4,451,559.31

*Figure includes coal removed by the auger method.

CALENDAR YEAR 2008
 COAL PRODUCTION, MINING AND RECLAMATION STATISTICS FOR ALLEGANY & GARRETT COUNTIES*

*This table includes all permits on which there was production, mining, backfilling or planning 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	PRODUCTION (TONS)			Auger	Acres Affected	Acres Backfilled	Acres Planned
			Strip	Deep	Strip				
Barton Mining Company, Inc.	338	L. Pittsburgh	19,291.72				0.0	0.0	0.0
	427	Pittsburgh	65,290.37				10.0	0.0	0.0
		L. Pittsburgh	43,186.07						
		Moranstown	20,971.92						
		Sewickley	26,877.34						
Brushner Coal Mines		Redstone	30,069.07						
	264	Franklin	18,128.66				2.0	0.0	0.0
	398	Bakerstown	4,123.14				0.0	0.0	0.0
	436	Franklin	5,709.87				7.0	0.0	0.0
Buffalo Coal Co., Inc.	422	Pittsburgh	39,484.90				0.0	6.0	6.0
		Redstone	5,862.67						
Clise Coal Co., Inc.		Moranstown	11,463.95						
	213	Waynesburg	7,718.93				0.0	0.0	0.0
	184	L. Pittsburgh	4,668.39				0.0	0.0	0.0
Cobra Mining, Inc.		Franklin	4,573.24						
		Moranstown	21.80						
John Ductworth Coal Co. Fairview Coal Co., Inc.	372	Compassed					0.0	2.0	2.0
	399	Pittsburgh	3,487.23				0.0	0.0	0.0
		Redstone	3,877.08						
G & S Coal Company, Inc.		Moranstown	477.89						
	430	Pittsburgh	18,210.15				4.0	0.0	0.0
		Moranstown	8,325.15						
Jenkins Development Co., Inc.	411	Waynesburg	32,229.49				3.0	4.0	4.0
	419	Pittsburgh	33,527.84				15.0	0.0	0.0
Tri-Star Mining, Inc.		L. Pittsburgh	443.05						
		Moranstown	18,904.00						
		Sewickley	20,580.76						
	Redstone	36,504.08							

Operator	Permit Number	Coal Seam Worked	PRODUCTION (TONS)			Auger	Acres Affected	Acres Backfilled	Acres Planned
			Strip	Deep	Strip				
United Energy Coal, Inc.	40	Pittsburgh	139,432.00				36.0	28.0	49.0
		Redstone	100,673.14						
		Sewickley	33,085.22						
	247	Moranstown	1,504.26						
		Pittsburgh	36,006.94				5.0	0.0	0.0
368		Redstone	52,683.44						
		Sewickley	24,719.11						
423	Sewickley	0.00				0.0	14.0	14.0	
SC-83-112			72,094.15				27.0	0.0	0.0
385	Compassed		0.00				0.0	3.0	3.0
Winzer Brothers Coal Co., Inc.	273	Pittsburgh	1,468.28				0.0	18.0	18.0
		Redstone	4,516.38						
Win-More Mining & Const. Co., Inc.	433	Pittsburgh	3,616.17				6.0	0.0	0.0
		Redstone	10,549.60						
		Moranstown	2,455.92						

TOTAL ALLEGANY COUNTY

971,836.37

115.00

97.00

118.00

GARRETT COUNTY

Operator	Permit Number	Coal Seam Worked	Deep	PRODUCTION (TONS)			Auger	Acres Affected	Acres Backfilled	Acres Planted
				Ship	Auger	Auger				
Buffalo Coal Co., Inc.	367	Freeport		59,831.04			4.0	23.0	23.0	
	365	U-Freeport		39,763.00			10.0	26.0	26.0	
G & S Coal Company, Inc.	421	M. Kittanning		18,469.55			6.0	0.0	0.0	
	DM109	Franklin	518,744.00	7,767.10			0.0	0.0	0.0	
Patriot Mining Co., Inc.	431	Baldwin		2,241.00			0.0	0.0	0.0	
	424	Pittsburgh		7,472.51			0.0	2.0	2.0	
Pine Mountain Coal Company		Microtown		3,117.91			-	-	-	
		Redstone		2,500.56			-	-	-	
		Pittsburgh		53,148.43			(See	Allegheny	County)	
		L. Pittsburgh		887.15			-	-	-	
		Redstone		13,002.40			-	-	-	
Tri-Star Mining, Inc.		Microtown		21,579.61			-	-	-	
		Sewickley		6,248.69			-	-	-	
	428	Franklin		7,512.02			15.0	16.0	16.0	
Metlak Coal Corporation	434	Barton		152,098.85			-	-	-	
	DM101	Freeport	2,728,961.39	5,823.01			0.0	0.0	0.0	
TOTAL GARRETT COUNTY				402,262.53			35.00	63.00	63.00	
TOTAL BOTH COUNTIES				1,373,899.00			150.00	165.00	167.00	

FOR CALENDAR YEAR 2000
SUMMARY OF LAND MINED, BACKFILLED, AND PLANTED IN 2000
(By Geological Basin)

	ACRES THIS YEAR				Bond Released*
	Permitted	Affected	Backfilled	Planted	
Allegheny County:					
Georges Creek Basin	44.00	115.00	97.00	69.00	103.00
Garrett County:					
Georges Creek Basin	187.00	15.00	18.00	18.00	24.00
Potomac River Basin	79.00	20.00	51.00	51.00	16.00
Casselman River Basin**	0.00	0.00	0.00	0.00	24.00
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	266.00	35.00	69.00	69.00	64.00
TOTAL BOTH COUNTIES	310.00	150.00	166.00	138.00	167.00
ACRES CUMULATIVE FROM JANUARY 1, 1975 - DECEMBER 31, 2000					
Allegheny County:					
Georges Creek Basin	6,738.00	5,480.00	5,007.97	5,031.80	4,043.00
Garrett County:					
Georges Creek Basin	2,493.00	2,466.95	2,262.85	2,528.01	2,609.60
Potomac River Basin	4,527.00	3,346.70	3,531.80	3,655.70	3,741.40
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	545.60	659.95
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	10,654.60	8,691.50	8,984.46	9,439.17	9,393.65
TOTAL ALLEGANY COUNTY	17,392.60	14,171.50	13,992.43	14,170.97	13,436.65

*Total Bond Release by the Bureau.

**Total Casselman Geological Basin

FOR THE CALENDAR YEAR 2000
LAND RECLAMATION COMMITTEE

PERMITTING ACTIVITY CALENDAR YEAR 2000												
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	3	2	100	1	1	9	0	0	0	4	3	109
Permit Increments	3	3	145	0	0	0	0	0	0	3	3	145
Modifications/Revisions With Acreage	6	7	51	2	1	5	0	0	0	8	7	56
Modifications/Revisions Without Acreage	12	12		0	0		0	0		12	12	
Transfers	4	5		0	0		2	2		6	7	
Renewals	1	3		1	0		0	0		2	3	
Prospecting Permits	1	1		0	0		0	0		1	1	
Prospecting Letter of Intent	2	2		0	0		0	0		2	2	
Operators License Original	2	2		1	1		0	0		3	3	
Operators License Renewals	26	26		5	5		0	0		31	31	
Totals	60	63	296	10	8	14	2	2	0	72	72	310

Members:

The following members served on the Land Reclamation Committee during 2000:

DEPARTMENT OF THE ENVIRONMENT REPRESENTATIVES:

David Fluke (Chairman), Water Management Administration
Stephen M. Layton, Bureau of Mines

DEPARTMENT OF NATURAL RESOURCES REPRESENTATIVES:

Ed Golden, 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 Hartssock, Allegany Soil Conservation District
Shaun Sanders, Garrett Soil Conservation District

COAL INDUSTRY REPRESENTATIVES:

Jerry Duckett
Tim Schwinnbart

**FOR THE CALENDAR YEAR 2000
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 2000, the Land Reclamation Committee conducted site visits on 8 days. These visits included field reviews of 6 proposed mining sites and 13 revegetation planting reports.

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 surface coal mined lands.

During 2000, the Land Reclamation Committee met 8 times. During these meetings, the Land Reclamation Committee approved 8 reclamation plans, evaluated 182 acres of revegetation eligible for Phase II bond release, approved 182 acres as meeting the standards for release, and approved 3 reclamation plan changes.

Reclamation Results Calendar Year 2000		
Bond Release Phase	Applicable Performance Standard	Acres 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 	82
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 	79
Phase III	<ul style="list-style-type: none"> • Postmining 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 	187

FOR CALENDAR YEAR 2000

ABANDONED MINE LAND RECLAMATION

The Maryland Bureau of Mines 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, implemented utilizing Federal funds available under 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 9 of the Annotated Code of Maryland, and (2) Maryland Mine Reclamation Program implemented utilizing funds from the Bituminous Coal Open-Pit Mining Reclamation Fund (BCOMRF) 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 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 2000, 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.

AML Projects Under Construction During 2000

1. Kyle Hill Water Supply Replacement Project

Location: .5 mile south of Barton along Kyle Hill Road, Allegany County.
Size: 4 Acres
Nature: Extension of the Lonaconing Public Water Distribution System to provide a potable water supply to 27 residents and the Barton Elementary School whose water supplies had been impacted by abandoned mine drainage.
Cost: \$ 398,499.86
Fund Source: Federal/State Abandoned Mine Reclamation Fund
Status: 50% complete as of 6/31/2000

2. Chestnut Ridge AML Project

Location: 4 miles southeast of Grantsville, Garrett County near the intersection of Chestnut Ridge Road and New Germany Road and accessed gained via Rocky Mt. Road.
Size: 20 Acres
Nature: Reclamation of 20 acres of abandoned surface mine to eliminate the hazards associated with an abandoned highwall and hazardous water bodies. The project will reconstruct .75 acres of wetland impacted during construction.
Cost: \$ 97,908.84
Fund Source: Federal/State Abandoned Mine Reclamation Fund
Status: Completed 8/19/2000

Forfeiture Reclamation

The Maryland Bureau of Mines administers the reclamation of lands affected by operations on which the permit has been revoked and the bond forfeited. The funds received from the forfeiture of bonds and the bond supplement reserve, when the bond is not sufficient, are used to reclaim the lands affected by operations on which the liability was charged on the bonds.

Forfeiture Projects Under Construction During 2000

1. Jones 405 Forfeiture Reclamation Project - Phase II

Location: 3.75 miles northeast of Friendsville, Garrett County, Maryland along Old Morgantown Road, approx. 2.2 miles from Selbysport.
Size: 27 Acres
Nature: Reclamation of surface coal mine land associated with the Jones Coal, Inc., Permit SM-84-405. This project is the second of three phases to reclaim to entire site.
Construction Cost: \$ 165,585.50
Revegetation Cost: \$ 30,328.29 (work performed by Bureau of Mines revegetation crew)
Fund Source: Bond Supplemental Fund.
Status: Completed November, 2000

Deep Mine Fund Reclamation

The Maryland Bureau of Mines administers the Deep Mine Fund, under the authority of Environment Article, Title 15, Subtitle 6, to reclaim deep mine related land and water problems in which there is not continuing liability or responsibility. During calendar year 2000 the Bureau completed the following projects using this fund.

1. Blank Road Coal Refuse Stabilization Project

Location: South side of Blank Road, 1.2 miles north of Mount Savage, Allegany County, Maryland.
Size: 3 Acre
Nature: Regrading and revegetation of 3 acres of abandoned coal refuse to stabilize the site from erosion.
Cost: \$ 4,500.00
Fund Source: Deep Mine Fund
Status: Completed November 22, 2000

FOR CALENDAR YEAR 2000

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

The number of Mine Foremen and Fire Boss applicants examined and certified from 1985 through 2000 are identified below.

YEAR	APPLICANTS EXAMINED		APPLICANTS CERTIFIED	
	Mine Foreman	Fire Boss	Mine Foreman	Fire Boss
2000	14	8	14	8
1999	17	5	17	5
1998	13	15	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
1992	0	0	5*	0
1991	6	0	6	0
1990	19	4	18	4
1989	0	0	25*	0
1988	15	0	11	0
1987	0	0	10*	0
1986	0	0	25*	0

*These applicants were upgraded from Fire Boss to Foreman, based on years of experience, without taking an examination.

**INSPECTION AND ENFORCEMENT ACTIVITIES
1996-2000**

TYPE OF ACTION	1996	1997	1998	1999	2000
Inspections	991	990	1058	914	819
Notices of Violations	5	11	13	7	12
Cessation Orders	0	1	1	0	3
Citizen Complaints	33	7	24	23	36
Bond Forfeitures	1	0	0	0	0

MINING PERMITS ISSUED BY YEAR AND PERMITTEE

Permit No.	Year Issued	Permittee
1	1955	The George's Creek Lumber Company*
2	1955	Allegheny Engineering Company*
3	1955	B.M.W. Coal Company*
4	1955	Old Hampshire Coal Company, Inc.*
5	1955	Car and Goffelty Construction Co.*
6	1955	M.H. Bigan Coal Company*
7	1955	Moran Coal Company*
8	1955	Allegheny 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	1958	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	Allegheny 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.*

Permit No.	Year Issued	Permittee
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	Moan 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 Brenneman*
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	1980	Baughman Contracting Company, Inc.*
77	1960	P&K Coal Company*
78	1980	Morgan Contracting Company*
79	1980	Buffalo Coal Company, Inc.*
80	1980	Buffalo Coal Company, Inc.*
81	1980	Randall Robertson*
82	1980	Hoover & White**
83	1980	James E. George*
84	1980	B.M.W. Coal Company, Inc.*
85	1980	Casey Contracting Company**
86	1980	Beener Coal Company*
87	1980	Moran Coal Company, Inc.*
88	1980	D&K Coal Company*
89	1980	Brenneman Brothers*

Permit No.	Year Issued	Permittee
90	1980	Mack Coal Company*
91	1980	Clarence Rodemar*
92	1980	James E. George*
93	1981	Casey Contracting Company**
94	1981	Winner Brothers*
95	1981	Moran Coal Company, Inc.*
96	1981	Big Vein Coal Company*
97	1981	Maryland Fuel Company, Inc.*
98	1981	Yantus-Zubek Coal Company*
99	1981	J.R. Thrasher Contracting & Stripping Co.*
100	1981	Trefall Bros., Inc.*
101	1981	Mack Coal Company*
102	1981	C.A. Liller Company*
103	1981	Cross & Brumage Coal Company*
104	1981	Beener Coal Company*
105	1981	D&K Coal Company*
106	1981	Mack Coal Company*
107	1981	Yantus and Zubek*
108	1981	Potomac Mining Company*
109	1982	Casey Contracting Company*
110	1982	Wilhelm Coal Company*
111	1982	The Georges Creek Lumber Company*
112	1982	Clark Coal Company*
113	1982	Casey Contracting Company*
114	1982	Casey Contracting Company*
115	1982	Douglas Coal Company*
116	1982	Red Lion Mining Corporation**
117	1982	Ebensburg Coal and Clay Company*
118	1983	James E. George*
119	1983	Ebensburg Coal and Clay Company*
120	1983	J.R. Thrasher Contracting & Stripping Co.*
121	1983	Moran Coal Company, Inc.*
122	1983	Buffalo Coal Company, Inc.*
123	1983	J.R. Thrasher Contracting & Stripping Co.*
124	1983	Win-More Mining & Construction Co., Inc.*
125	1983	Beener Coal Company*
126	1984	W.R. Nethken and Company, Inc.*
127	1984	Mack Coal Company*
128	1984	J.R. Thrasher Contracting & Stripping Co.*
129	1984	J. Russell Cravener*
130	1984	Chelsie A. Liller*
131	1984	The Georges Creek Lumber Company*
132	1984	Brenneman Brothers*
133	1985	W.R. Nethken and Company, Inc.*
134	1985	Richards and Parnell Coal Company*
135	1985	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-Mora Mining & Construction Co., Inc.*
166	1970	Ginniman Coal Company*
167	1970	Upperman Coal Company*
168	1970	Frank Pulford**
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 Coal 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 Enargy 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	Arien 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	Blitinger 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**
404	1986	Clise Coal Company
405	1986	Jones Coal, Inc.**
406	1986	Patriot Mining Company, Inc.*
407	1986	United Energy Coal, Inc.
408	1988	Tri Star Mining, Inc.*
409	1986	Buffalo Coal Company, Inc.

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</u>
410	1987	J. Walter 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	Cobra Mining, 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	Patriot Mining Company, Inc.
DM 110	1992	Masteller Coal Company
DM 111	2000	George Creek, Inc.

<u>Permit No.</u>	<u>Year Issued</u>	<u>Permittee</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	John Duckworth Coal Company
SC-87-117	1987	Tri Star Mining, Inc.
SC-87-118	1987	Patriot Mining Company, Inc.

* Operation Completed and Bond Released

** Forfeiture of Bond

*** Not Activated