

FORTIETH ANNUAL REPORT
of the
MARYLAND BUREAU OF MINES
of the
STATE OF MARYLAND

Board of Natural Resources

Department of Geology, Mines and Water Resources

JOSEPH T. SINGEWALD, JR., DIRECTOR

CALENDAR YEAR 1962



TO
HON. J. MILLARD TAWES
GOVERNOR OF MARYLAND

FRANK T. POWERS

Director

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GOVERNOR OF MARYLAND

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Director

LETTER OF TRANSMITTAL

To His Excellency,

HON. J. MILLARD TAWES

Governor of Maryland

SIR:

I have the honor to submit herewith the fortieth Annual Report of the Maryland Bureau of Mines for the period of January 1, 1962, to December 31, 1962, in compliance with the requirements of the Maryland Mining Law.

Very respectfully,
FRANK T. POWERS, *Director.*

REPORT OF THE MARYLAND BUREAU OF MINES 1962

To His Excellency

HON. J. MILLARD TAWES,
Governor of Maryland

SIR:

The report herewith submitted is for the calendar year 1962 and is the Eighty-sixth Annual Report upon conditions of the Coal and Clay mines within the State.

The reports from the various mining operators throughout the State show the tonnage to be as follows:

COAL AND CLAY PRODUCTION

Pick	29,064.12
Machine	339,858.07
Strip	476,569.06
Total	<u>845,492.05</u>

COAL PRODUCTION

ALLEGANY COUNTY: During the calendar year 1962, the Allegany County mines employed 113 miners, 4 drivers (including Motormen, brakemen, etc.), 6 inside laborers, and 67 outside employees, making a total of 190 men. The production of coal for 1962 was 184,930.05 net tons. This shows a production of 973 net tons per man employed during this period.

GARRETT COUNTY: During the calendar year 1962, Garrett County mines employed 140 miners, 18 drivers, (including motormen, brakemen, etc.), 33 inside laborers and 124 outside employees, making a total of 315 men. The production of coal for 1962 was 647,936.00 net tons. This shows a production of 2053 net tons per man employed during this period.

FIRE CLAY PRODUCTION

ALLEGANY COUNTY: During the calendar year 1962, the fire clay mines in Allegany County employed 6 miners, 2 inside laborers and 4 outside employees, making a total of 12 men. The production of fire clay during 1962 was 12,626 net tons, and shows a production of 1,052 net tons per man.

GARRETT COUNTY: There has been no clay production in Garrett County since 1952.

STATE MINE EXAMINING BOARD

The following Certificates were awarded as a result of the forty-first examination for mine foreman, conducted at Frostburg, Allegany County, Maryland, August 16 and 17, 1962.

FIRST CLASS

Chapman, Haven Darl	Shallmar, Md.
Daniels, Donnie Dean	Barton, Md.
Polce, Americo	Masontown, W. Va.
Seaman, Paul Woodrow	Elk Garden, W. Va.

PERSONNEL, MARYLAND BUREAU OF MINES

Director

Frank T. Powers

Westernport

District Mine Inspector

Harry B. Buckley	Oakland
James H. Close	Frostburg
Thomas B. Powell	Frostburg

Fuel Combustion Advisor

Robert D. Ewing

Frostburg

Stenographer-Secretary

Mrs. Elizabeth Ann Gilmore

Westernport

Senior Typist

Mrs. Lillian A. Frankhouser

Cresaptown

Mine Examining Board

Frank T. Powers, <i>Chairman</i>	Westernport
Arthur P. Hoffa, Representing Operators	Barton
Leslie T. Foote, Representing Miners	Lonaconing

SUMMARY OF PRODUCTION STATISTICS

1962

COAL

	Allegany County	Garrett County	Total Net Tons
Pick.....	21,049.02	4,128.10	25,177.12
Machine.....	49,401.00	290,457.07	339,858.07
Strip.....	114,480.03	353,350.03	467,830.06
Total.....	184,930.05	647,936.00	832,866.05

Employees

Miners.....	113	140	253
Drivers*.....	4	18	22
Inside Laborers.....	6	33	39
Outside Employees.....	67	124	191
Total.....	190	315	505

CLAY

Pick.....	3,887.00		3,887.00
Machine.....			
Strip.....	8,739.00		8,739.00
Total.....	12,626.00		12,626.00

Employees

Miners.....	6		6
Drivers*.....			
Inside Laborers.....	2		2
Outside Employees.....	4		4
Total.....	12		12

*Drivers include Brakemen, Motormen, etc.

COMPARATIVE STATEMENT OF STATISTICS OF COAL AND CLAY PRODUCTION

1961 - 1962

COAL

Allegheny County

Year	Net Tons (Cwt)	Miners	Drivers*	Inside Laborers	Outside Employees	Total	Fatalities
1961	186,826.17	114	7	10	57	188	1
1962	184,930.05	113	4	6	67	190	---

Garrett County

1961	531,212.12	174	19	51	108	352	---
1962	647,936.00	140	18	33	124	315	1

Entire State

1961	718,039.09	288	26	61	165	540	1
1962	832,866.05	253	22	39	191	505	1

CLAY

1961	11,472.00	10	1	1	2	14	---
1962	12,626.00	6	---	2	4	12	---

TOTAL CLAY AND COAL PRODUCTION

1961	729,511.09
1962	845,492.05

*Drivers include Motormen, Brakemen, etc.

STATISTICS OF COAL PRODUCTION, CALENDAR YEAR 1962—Allegany County

Name of Operator	Name or Number of Mine	Coal Seam Worked	Distribution of Employees					Days Worked	Pick	Machine	Strip	Total	Accidents	
			Miners	Drivers*	Inside Laborers	Outside Employees	Total						Fatal	Non-Fatal
Allegany Engineering Company, The	No. 7	Tyson				9	206			4,041.00	4,041.00		2	
Allegany Engineering Company, The	No. 7	Pittsburgh								1,019.02	1,019.02			
Ayers Coal Company	Parker	Parker	2			2	134		747.00		747.00			
B. M. W. Coal Company, Inc.	Barnes	Pittsburgh	3			5	102 1/2		1,383.00	1,383.00	1,383.00			
Bakerstown Coal Company		Bakerstown	3	1		4	161		1,940.00	1,940.00	1,940.00			
Beener Coal Company		Pittsburgh				5	310		22,463.01	22,463.01	22,463.01			
Bennett, W. C.	Bennett	Pittsburgh	1			1	26		71.00		71.00			
Big Vein Coal Company	No. 1	Pittsburgh	4			4	250		6,744.19	6,744.19	6,744.19			
Bivecol Company	No. 1	Pittsburgh	3			3	90		653.00		653.00			
Boridon Hill Coal Company	No. 2	Pittsburgh	2			2	60		91.00		91.00			
Central Coal Company	No. 5	Tyson	4			4	251		2,390.00		2,390.00			
Central Sand & Gravel Company	No. 15	Waynesburg				5	283			3,817.19	3,817.19			
Central Sand & Gravel Company	No. 15	Tyson								906.11	906.11			
Clark Coal Company	No. 1	Pittsburgh	1			1	178			2,442.00	2,442.00			
Clark Coal Company	No. 1	Pittsburgh	2			2	192		440.00		440.00			
Clary Coal Company		Kittanning	1			1	36		140.00		140.00			
Cites Coal Company	Parker No. 2	Freeport	5	1		5	150		1,608.00	1,608.00	1,608.00			
Colmer Coal Company	No. 1	Pittsburgh	2			3	220		2,694.00		2,694.00			
Cross & Bruunage Coal Company	C & B No. 1	Pittsburgh				2	184		2,448.00	2,448.00	2,448.00			
Diamond Coal Company	No. 1	Waynesburg	2			2	152		687.00		687.00			
Diamond Coal Company	No. 2	Tyson	2			2	90		172.00		172.00			
Diehl Coal Company	No. 1	Freeport	4			4	109		1,823.00		1,823.00			
Gary Coal Company	No. 4	Freeport	1	1		2	29		62.10		62.10			
Gary Coal Company	No. 6	Bakerstown	16	1		17	184		12,568.10	12,568.10	12,568.10			
Good Will Fuel Company		Pittsburgh				2	138			2,018.00	2,018.00			
Green Coal Company	No. 2	Tyson	2			2	26		154.00		154.00			
Hill Top Fuel Company	No. 1 & 2	Pittsburgh	2			2	113		425.00		425.00			
Hope Coal Company	Davis No. 1	Pittsburgh			4	1	5	73	230.00		230.00			
MacDonald & MacDonald Coal Co.	No. 2	Bakerstown	2			1	24		819.00		819.00			
Mack Coal Company		Tyson	3			3	15		130.00		130.00			
Marble Big Vein Coal Company		Pittsburgh	5			5	119		807.04		807.04			
Maryland Fuel Company, The		Pittsburgh	3			3	230			15,818.06	15,818.06			
McCormick Coal Company	No. 1	Waynesburg	2			2	17		433.00		433.00			
Metz Coal Company	Metz	Bakerstown	2			2	132		550.00		550.00			
Michaels Coal Company	No. 1	Kittanning	2			2	130		773.00		773.00			
Moore's Run Coal Company	Moore	Bakerstown	2			2	135		584.00		584.00			
Moran Coal Company	No. 25B	Bakerstown	4			4	32		8,031.00	8,031.00	8,031.00			
Moran Coal Company	No. 25F	Freeport	6			6	32		7,517.00	7,517.00	7,517.00			
Ocean Coal Company	No. B-1	Pittsburgh	3			3	201		2,823.18		2,823.18			
P & C Coal Company		Bakerstown	3			3	115		2,452.00		2,452.00			
Phoenix Big Vein Coal Company	Hoffa No. 5	Franklin	7			7	252		11,243.05	11,243.05	11,243.05			
Pine Mt. Coal Company	No. 2	Pittsburgh	2			2	250		2,506.00	2,506.00	2,506.00		1	
Piney Mt. Coal Company	No. 1	Kittanning	2			2	146		1,101.00		1,101.00			
Porter Coal Company	Porter	Tyson	2			2	105		810.00		810.00			
Porter, Marshall		Pittsburgh	2			2	60		169.00		169.00			
Roaring Ben Coal Company, The	Tyson No. 1	Tyson	4			4	199		3,139.00	3,139.00	3,139.00		2	
Robertson Coal Company	Laurel Hill	Franklin	1			1	278		8,277.00	8,277.00	8,277.00			
Valley Coal Company	Clifton	Pittsburgh	2			2	267		398.00		398.00			
W & W Coal Company	No. 5	Franklin	4			4	148		4,316.00	4,316.00	4,316.00			
W & W Coal Company	No. 6	Bakerstown	13		2	15	234		19,476.00	19,476.00	19,476.00		6	
Winner Coal Company		Pittsburgh				4	226		3,809.00	3,809.00	3,809.00			

STATISTICS OF COAL PRODUCTION, CALENDAR YEAR 1962—Allegheny County—Continued

Name of Operator	Name or Number of Mine	Coal Seam Worked	Distribution of Employees					Days Worked During Year	Pick	Machine	Strip	Total	Accidents	
			Miners	Drivers*	Inside Laborers	Outside Employees	Total						Fatal	Non-Fatal
Wolford Coal Company.....	Wolford	Pittsburgh	2					1,725.00				1,725.00		
Woodland Coal Company.....	No. 5	Tyson	4					3,048.00				3,048.00		
Yantus & Zubeck.....	No. 1	Freeport	113	4	6	67	190	7,631 1/2	21,049.02	49,401.00	114,480.03	184,930.05	12	
TOTALS.....														

Statistics of Fire Clay Production—Allegheny County

Kaiser Refractories.....	Big Savage	Fire Clay	6		2		8	99	3,887.00			3,887.00		
Kaiser Refractories.....	Big Savage Strip	Fire Clay				2	2	42			4,387.00	4,387.00	1	
Yantus & Zubeck.....		Fire Clay			2		2	45			4,352.00	4,352.00		
TOTALS.....			6		2	4	12	186	3,887.00		8,739.00	12,626.00	1	

STATISTICS OF COAL PRODUCTION, CALENDAR YEAR 1962—Garrett County

Name of Operator	Name or Number of Mine	Coal Seam Worked	Distribution of Employees						Days Worked	Pick	Machine	Strip	Total	Accidents	
			Miners	Drivers*	Inside Laborers	Outside Employees	Total	Fatal						Non-Fatal	
B. B. & K. Coal Company, The	Wolf Den	Kittanning	6	2	1	2	11	163		13,157.00		13,157.00		1	
Bantam Coal Company	No. 1	Kittanning				3		89	690.00			690.00			
Bells Run Coal Company	No. 3	Kittanning				2		12	50.00			50.00			
Breneman Brothers	No. 1	Bakerstown				2		293	3,238.00			3,238.00			
Broncman Coal Company	No. 1	Bakerstown				1		175	315.10			315.10			
Broadwater, Lee		Bakerstown				1		45	65.00			65.00			
Buffalo Coal Company, Inc.	No. 1	Freeport				12		268	63,442.00			63,442.00		2	
Buffalo Coal Company, Inc.	Laurel	Kittanning				25		374	79,427.00			79,427.00			
Burrell Brothers Coal Corp.	Cal No. 1	Freeport				2		16	11,957.12			11,957.12		4	
Burtis, R. J. Coal Co.	Susanne No. 1	Freeport				6		2	8,681.00			8,681.00			
Callis & Tasker Coal Company	Naylor	Freeport				3		96	481.00			481.00			
Casey Contracting Company		Brush Creek				4		47	12,029.00			12,029.00			
Collins Coal Company	No. 3	Freeport				2		58	114.00			114.00			
D & K Coal Company	No. 1	Kittanning				9		257	38,080.00			38,080.00		3	
D & S Coal Company	Fazenbaker	Freeport				2		186	1,368.00			1,368.00			
Dorsey Coal Company	Ashby	Kittanning				3		17	158.00			158.00			
Douglas Coal Company	Z-7	Freeport				12		53	47,488.00			47,488.00		1	
Droppelman Brothers, Inc.	Stoney No. 2	Freeport				4		228	21,899.00			21,899.00			
Ebensburg Coal & Clay Company	Terment	Harlem				3		59	4,095.00			4,095.00			
Ebensburg Coal & Clay Company	Bietzel	Bakerstown						21	1,345.00			1,345.00			
Evvin Coal Company	Dixon	Freeport				2		48	140.00			140.00			
Evans Coal Company	No. 1	Bakerstown				3		194	1,389.00			1,389.00			
F & P Coal Company	Mary Beth	Kittanning				6		278	55,377.00			55,377.00		3	
Ferguson Coal Company	No. 1	Freeport				2		80	120.00			120.00			
Folly Run Coal Company		Bakerstown				5		193	4,585.00			4,585.00			
Harvey & Evans Coal Company	Mt. Top	Freeport				9		205	10,873.15			10,873.15		1	
Jack Frost Coal Company		Freeport				1		29	68.00			68.00			
Kinsinger Coal Company		Bakerstown				1		25	58.00			58.00			
Lisher, C. A. Coal Company	Sheraton	Franklin				5		120	10,528.05			10,528.05			
Lisher, C. A. Coal Company		Pittsburgh						47	9,635.18			9,635.18		1	
Luller, C. A. Coal Company	Jacobs	Freeport				3		47	2,644.00			2,644.00			
MacCoal Company	No. 1	Freeport				2		92	400.00			400.00			
McCroskey, James A. Coal Co.	No. 1	Freeport				2		92	400.00			400.00			
Mt. Top Coal Company	Ezra Miehals	Bakerstown				4		143	3,223.00			3,223.00		2	
Moran Coal Company	No. 17	Franklin				6		18	4,517.00			4,517.00			
Moran Coal Company	No. 21	Franklin				8		252	87,010.00			87,010.00			
Moran Coal Company	No. 22	Franklin				4		96	21,539.00			21,539.00			
Moran Coal Company		Bakerstown						34	6,924.00			6,924.00			
Moscow-Georges Creek Coal Company	No. 1	Pittsburgh				2		103	7,927.00			7,927.00			
Nelson Coal Company	No. 1	Bakerstown				1		37	80.00			80.00			
Nethken, W. R. Coal Company	No. 1	Clarion				1		224	18,135.00			18,135.00		3	
Nethken, W. R. Coal Company	No. 3	Bakerstown				6		219	10,804.00			10,804.00			
O & M Coal Company	No. 1	Freeport				2		120	644.00			644.00			
O & J Coal Company	Romadale	Freeport				3		52	2,454.00			2,454.00			
Paugh Brothers Coal Co.	Virts No. 2	Freeport				3		228	2,778.00			2,778.00			
Poromac Mining Company		Bakerstown				3		84	4,444.00			4,444.00			
Red Lion Mining Corp.	No. 1	Bakerstown				4		56	4,212.00			4,212.00			
Rock Oak Coal Company	No. 1	Freeport				1		153	2,353.00			2,353.00			
Rodamer Coal Company		Bakerstown				1		134	1,449.00			1,449.00			
Sines Coal Company		Freeport				2		186	903.00			903.00			

*Drivers include Motormen, Brakemen, etc.

STATISTICS OF COAL PRODUCTION, CALENDAR YEAR 1962—Garrett County—Continued

Name of Operator	Name or Number of Mine	Coal Seam Worked	Distribution of Employees						Days Worked	Pick	Machine	Strip	Total	Accidents	
			Miners	Drivers*	Inside Laborers	Outside Employees	Total	Fatal						Non-Fatal	
Thrasher, J. R. Cont. & Strip, Co.....	Laurel	Bakerstown	140	18	33	124	315	7,123	4,128.10	290,457.07	353,350.03	647,936.00	1	25	
Thrasher, J. R. Cont. & Strip, Co.....	Colmer	Freeport	3	1	1	1	6	127	2,372.00	2,372.00	2,372.00	2,372.00	1	25	
Underman Coal Company.....	No. 1	Kittanning	13	1	1	1	14	234	20,085.00	20,085.00	20,085.00	20,085.00	1	3	
W & W Coal Company.....	No. 1	Freeport	22	1	1	1	24	234	35,361.00	35,361.00	35,361.00	35,361.00	3	3	
Willow Coal Corp.....	No. 1	Freeport	3	1	1	1	3	168	2,441.00	2,441.00	2,441.00	2,441.00	1	25	
TOTALS.....			140	18	33	124	315	7,123	4,128.10	290,457.07	353,350.03	647,936.00	1	25	

*Drivers include Motorman, Brakeman, etc.

TONNAGE BY COAL SEAM — 1962**Allegheny County**

Pittsburgh	75,219.10
Bakerstown	46,420.10
Franklin	23,836.05
Freeport	21,135.10
Tyson	10,619.11
Waynesburg	4,937.19
Kittanning	2,014.00
Parker	747.00
	<hr/>
Total	184,930.05

Garrett County

Freeport	239,067.07
Kittanning	189,329.00
Franklin	123,594.05
Bakerstown	44,123.10
Clarion	18,135.00
Pittsburgh	17,562.18
Brush Creek	12,029.00
Harlem	4,095.00
	<hr/>
Total	647,936.00

TONNAGE BY BASIN — 1962

George's Creek	398,768.08
Upper Potomac	370,167.07
Castleman	51,099.10
Lower Youghiogheny	12,029.00
Upper Youghiogheny	802.00
	<hr/>
Total	832,866.05

MINE INSPECTIONS ALLEGANY COUNTY

1962

Date	Name of Company and Mine	Location	Inspector
Jan.	5—Clites Coal Company, Parker No. 1 Mine.....	Barrellville	Powell
"	5—Diamond Coal Company, No. 1 Mine.....	Lonaconing	Close
"	8—Connor-Haines Big Vein Coal Co., No. 2 Mine.....	Lonaconing	Close
"	9—Metz Coal Company, Metz Mine.....	Barton	Close
"	10—Valley Coal Company, Clifton Mine.....	Frostburg	Powell
"	10—Wolford Coal Company, No. 2 Mine.....	Frostburg	Powell
"	11—Diehl Coal Company, No. 1 Mine.....	Mt. Savage	Powell
"	11—McCormick Coal Company, Waynesburg No. 2 Mine.....	Lonaconing	Close
"	12—Pine Hill Mining Company, No. 1 Mine.....	Gilmore	Close
"	12—Porter, Marshall, Porter Mine.....	Frostburg	Powell
"	15—Marble Big Vein Coal Company, No. 1 Mine.....	Lonaconing	Close
"	15—Mt. Top Coal Company, Tyson No. 1 Mine.....	Lonaconing	Close
"	15—Roaring Ben Coal Co., The, New Tyson Mine.....	Midland	Powell
"	19—Gary Coal Company, No. 4 Mine.....	Barton	Close
"	22—Clary Coal Co., Stanton Mine.....	Clarysville	Powell
"	22—Marble Big Vein Coal Co., No. 1 Mine.....	Lonaconing	Close
"	23—Metz Coal Company, Metz Mine.....	Barton	Close
"	25—Bakerstown Coal Company, No. 3 Mine.....	Barton	Close
"	25—Allegheny Engineering Company, Strip Mine.....	Frostburg	Powell
"	26—Central Sand and Gravel Company, Strip Mine.....	Vale Summit	Powell
"	26—Green Coal Company, No. 2 Mine.....	Lonaconing	Close
"	29—Ayers Coal Company, Ayers Mine.....	Barrellville	Powell
"	29—Gary Coal Company, No. 6 Mine.....	Barton	Close
"	30—Gary Coal Company, No. 6 Mine.....	Barton	Close
"	30—Porter Coal Company, Porter Mine.....	Eckhart	Powell
"	31—W & W Coal Company, No. 6 Mine.....	Barton	Close
"	31—Wolford Coal Company, No. 2 Mine.....	Frostburg	Powell
Feb.	5—Clark Coal Company, No. 1 Mine.....	Barton	Close
"	5—Robertson, Joe Coal Company, No. 1 Mine.....	Barton	Close
"	5—Woodland Coal Company, No. 5 Mine.....	Frostburg	Powell
"	6—MacDonald & MacDonald Coal Co., No. 1 Mine.....	Barton	Close
"	6—Piney Mt. Coal Company, No. 1 Mine.....	Frostburg	Powell
"	13—Porter Coal Company, Blank Mine.....	Barton	Close
"	14—Moore's Run Coal Company, Moore Mine.....	Barton	Close
"	15—Borden Hill Coal Company, No. 2 Mine.....	Frostburg	Powell
"	15—Colmer Coal Company, No. 1 Mine.....	Barton	Close
"	15—P & C Coal Company, No. 4 Mine.....	Barton	Close
"	16—Green Coal Company, No. 2 Mine.....	Lonaconing	Close
"	19—Clise Coal Company, Strip Mine.....	Lonaconing	Close
"	20—Central Coal Company, No. 5 Mine.....	Frostburg	Powell
"	20—Porter Coal Company, Blank Mine.....	Barton	Close
"	21—Hope Coal Company, Astor Mine.....	Frostburg	Powell
"	26—Baughman Contracting Company, Strip Mine.....	Frostburg	Powell
"	26—Marble Big Vein Coal Company, No. 1 Mine.....	Lonaconing	Close
"	28—Hill Top Coal Company, No. 1 Mine.....	Lonaconing	Close
Mar.	2—Ocean Coal Company, No. 1B Mine.....	Frostburg	Powell
"	5—Cross & Brumage Coal Co., Strip Mine.....	Lonaconing	Close
"	5—Winner Bros. Coal Company, Strip Mine.....	Frostburg	Powell
"	7—Yantus & Zubek, Strip Mine.....	Mt. Savage	Powell
"	8—Allegheny Engineering Company, Strip Mine.....	Frostburg	Powell
"	9—Central Sand & Gravel Company, Strip Mine.....	Vale Summit	Powell
"	12—Good Will Fuel Company, Strip Mine.....	Midlothian	Powell
"	13—Allegheny Engineering Company, Strip Mine.....	Frostburg	Powell
"	13—Blvecol Company, No. 1 Mine.....	Lonaconing	Close
"	14—Diamond Coal Company, Tyson No. 1 Mine.....	Lonaconing	Close
"	15—Diehl Coal Company, No. 1 Mine.....	Mt. Savage	Powell
"	15—Porter Coal Company, Blank Mine.....	Barton	Close
"	19—Pine Mt. Coal Company, Strip Mine.....	Lonaconing	Close
"	20—Big Vein Coal Company, Strip Mine.....	Lonaconing	Close
"	20—Clary Coal Company, Stanton Mine.....	Clarysville	Powell
"	20—Michaels Coal Company, No. 1 Mine.....	Clarysville	Powell
"	21—Clites Coal Company, Parker No. 1 Mine.....	Barrellville	Powell
"	27—Robertson, Randall, Strip Mine.....	Moscow	Close
"	29—Bennett, W. C., Bennett Mine.....	Frostburg	Powell
"	30—Connor-Haines Big Vein Coal Company, No. 2 Mine.....	Lonaconing	Close
Apr.	4—B. M. W. Coal Company, Barnes Strip.....	Midlothian	Powell
"	4—Clark Coal Company, Strip Mine.....	Midland	Close
"	9—Connor-Haines Big Vein Coal Co., No. 2 Mine.....	Lonaconing	Close
"	9—Yantus & Zubek, Strip Mine.....	Mt. Savage	Powell

MINE INSPECTIONS
ALLEGANY COUNTY

1962

Date	Name of Company and Mine	Location	Inspector
Apr.	10—Cross & Brumage Coal Company, Strip Mine	Lonaconing	Close
"	11—Clark Coal Company, No. 1 Mine	Barton	Close
"	12—Green Coal Company, No. 2 Mine	Lonaconing	Close
"	13—Maryland Fuel Company, Inc., Strip Mine	Lonaconing	Close
"	13—Porter Marshall, Porter Mine	Frostburg	Powell
"	17—Valley Coal Company, Clifton Mine	Frostburg	Powell
"	18—Clise Coal Company, Strip Mine	Lonaconing	Close
"	19—Borden Hill Coal Company, No. 2 Mine	Frostburg	Powell
"	23—Hill Top Coal Company, No. 1 Mine	Lonaconing	Close
"	24—Diamond Coal Company, No. 1 Mine	Lonaconing	Close
"	24—Hope Coal Company, Astor Mine	Vale Summit	Powell
"	25—Ayers Coal Company, Ayers Mine	Barrellville	Powell
"	26—Roaring Ben Coal Co., The, New Tyson Mine	Midland	Powell
May	3—Marble Big Vein Coal Co., No. 1 Mine	Lonaconing	Close
"	4—Clark Coal Company, No. 1 Mine	Barton	Close
"	7—Porter Coal Company, Porter Mine	Frostburg	Powell
"	8—Beener Coal Company, Strip Mine	Barton	Close
"	8—Woodland Coal Company, No. 5 Mine	Frostburg	Powell
"	14—Clites Coal Company, Parker No. 1 Mine	Barrellville	Powell
"	16—Central Sand & Gravel Company, Strip Mine	Vale Summit	Powell
"	18—Allegheny Engineering Company, Strip Mine	Frostburg	Powell
"	24—Yantus & Zubek, Strip Mine	Mt. Savage	Powell
"	29—Winner Bros. Coal Company, Strip Mine	Frostburg	Powell
June	19—J & J Coal Company, No. 1 Mine	Lonaconing	Close
"	21—W & W Coal Company, No. 7 Mine	Westonport	Close
"	25—McCormick Coal Company, Waynesburg No. 2	Lonaconing	Close
"	26—Beener Coal Company, Strip Mine	Barton	Close
"	26—Big Vein Coal Company, Strip Mine	Lonaconing	Close
"	28—Yantuz & Zubek, Strip Mine	Mt. Savage	Powell
"	29—Central Coal Company, No. 5 Mine	Lonaconing	Close
"	29—Maryland Fuel Company, Inc., Strip Mine	Lonaconing	Close
July	3—Diamond Coal Company, No. 1 Mine	Lonaconing	Close
"	9—Diamond Coal Company, Tyson No. 1 Mine	Lonaconing	Close
"	16—Diehl Coal Company, No. 1 Mine	Mt. Savage	Powell
"	16—Green Coal Company, No. 2 Mine	Lonaconing	Close
"	17—B. M. W. Coal Company, Strip Mine	Midlothian	Powell
"	18—Yantus & Zubek, Strip Mine	Mt. Savage	Powell
"	19—Kaiser Refractories, Fire Clay	Frostburg	Powell
"	20—Ayers Coal Company, Ayers Mine	Barrellville	Powell
"	24—Michaels Coal Company, No. 1 Mine	Charysville	Powell
"	24—Porter Coal Company, Blank Mine	Barton	Close
"	25—Clites Coal Company, Parker No. 1 Mine	Barrellville	Powell
"	25—Hope Coal Company, Astor Mine	Vale Summit	Powell
"	26—Beener Coal Company, Strip Mine	Barton	Close
"	26—Blivecol Company, No. 1 Mine	Lonaconing	Close
"	27—Allegheny Engineering Company, Strip Mine	Frostburg	Powell
Aug.	2—Marble Big Vein Coal Company, No. 1 Mine	Lonaconing	Close
"	7—Good Will Fuel Company, Winters Strip	Midlothian	Powell
"	13—Borden Hill Coal Company, No. 2 Mine	Frostburg	Powell
"	14—Valley Coal Company, Clifton Mine	Frostburg	Powell
"	17—Clark Coal Company, No. 1 Mine	Barton	Close
"	20—W & W Coal Company, No. 5 Mine	Barton	Close
"	20—Woodland Coal Company, No. 5 Mine	Frostburg	Powell
"	22—W & W Coal Company, No. 6 Mine	Barton	Close
"	24—Roaring Ben Coal Co., The, New Tyson Mine	Midland	Powell
"	28—Bennett, W. C., Bennett Mine	Frostburg	Powell
"	28—Porter Coal Company, Porter Mine	Frostburg	Powell
"	28—Mack Coal Company, Jacobs Strip	Lonaconing	Close
"	28—Marble Big Vein Coal Company, No. 3 Mine	Lonaconing	Close
"	30—Clark Coal Company, No. 1 Mine	Barton	Close
"	30—Clary Coal Company, Stanton Mine	Clarysville	Powell
"	31—Central Coal Company, No. 5 Mine	Frostburg	Powell
"	31—Colmer Coal Company, No. 1 Mine	Lonaconing	Close
"	31—Maryland Fuel Company, Inc., Strip Mine	Lonaconing	Close
Sept.	5—Gary Coal Company, No. 6 Mine	Barton	Close
"	6—P & C Coal Company, No. 4 Mine	Barton	Close
"	10—Mack Coal Company, Strip Mine	Zihlman	Powell
"	11—Winner Bros. Coal Co., Strip Mine	Frostburg	Powell
"	13—Central Sand & Gravel Company, Strip Mine	Frostburg	Powell

MINE INSPECTIONS ALLEGANY COUNTY 1962

Date	Name of Company and Mine	Location	Inspector
Sept.	14—Ocean Coal Company, No. 1B Mine.....	Frostburg	Powell
"	14—Pine Mt. Coal Company, Strip Mine.....	Lonaconing	Close
"	17—Cross & Brumage, Strip Mine.....	Lonaconing	Close
"	17—Green Coal Company, No. 2 Mine.....	Gilmore	Close
"	18—Yantus & Zubeck, Strip Mine.....	Mt. Savage	Powell
"	25—Baughman Contracting Company, Strip Mine.....	Frostburg	Powell
"	26—B. M. W. Coal Company, Strip Mine.....	Midlothian	Powell
"	27—Porter, Marshall, Porter Mine.....	Frostburg	Powell
"	28—Wolford Coal Company, Wolford No. 2 Mine.....	Frostburg	Powell
Oct.	4—Piney Mt. Coal Company, No. 1 Mine.....	Frostburg	Powell
"	5—Clary Coal Company, Stanton Mine.....	Clarysville	Powell
"	9—Diehl Coal Company, No. 1 Mine.....	Mt. Savage	Powell
"	22—Clites Coal Company, Parker No. 1 Mine.....	Barrellville	Powell
"	23—Hopo Coal Company, Astor Mine.....	Frostburg	Powell
"	24—Moran Coal Company, Strip No. 24.....	Barton	Close*
"	24—Moran Coal Company, Strip No. 24.....	Barton	Buckley*
"	24—Moran Coal Company, Strip No. 24.....	Barton	Powell*
"	24—Moran Coal Company, Strip No. 24B.....	Barton	Close*
"	24—Moran Coal Company, Strip No. 24B.....	Barton	Buckley*
"	24—Moran Coal Company, Strip No. 24B.....	Barton	Powell*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Close*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Buckley*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Powell*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Close*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Buckley*
"	25—Moran Coal Company, Strip No. 25.....	Westernport	Powell*
"	25—Beener Coal Company, Hoffa Strip.....	Barton	Close*
"	25—Beener Coal Company, Hoffa Strip.....	Barton	Buckley*
"	25—Beener Coal Company, Hoffa Strip.....	Barton	Powell*
"	25—Phoenix Big Vein Coal Co., No. 4 Strip.....	Barton	Close*
"	25—Phoenix Big Vein Coal Co., No. 4 Strip.....	Barton	Buckley*
"	25—Phoenix Big Vein Coal Co., No. 4 Strip.....	Barton	Powell*
"	29—Beener Coal Company, Llewellyn Strip.....	Barton	Close*
"	29—Beener Coal Company, Llewellyn Strip.....	Barton	Buckley*
"	29—Beener Coal Company, Llewellyn Strip.....	Barton	Powell*
"	30—Marble Big Vein Coal Company, No. 2 Mine.....	Lonaconing	Close
"	31—Mack Coal Company, Jacobs Strip.....	Lonaconing	Close*
"	31—Mack Coal Company, Jacobs Strip.....	Lonaconing	Buckley*
"	31—Mack Coal Company, Jacobs Strip.....	Lonaconing	Powell*
"	31—Robertson Coal Company, Strip Mine.....	Barton	Close*
"	31—Robertson Coal Company, Strip Mine.....	Barton	Buckley*
"	31—Robertson Coal Company, Strip Mine.....	Barton	Powell*
Nov.	1—Big Vein Coal Company, No. 12 Strip.....	Lonaconing	Close*
"	1—Big Vein Coal Company, No. 12 Strip.....	Lonaconing	Buckley*
"	1—Big Vein Coal Company, No. 12 Strip.....	Lonaconing	Powell*
"	1—Cross & Brumage Coal Company, Strip Mine.....	Lonaconing	Close*
"	1—Cross & Brumage Coal Company, Strip Mine.....	Lonaconing	Buckley*
"	1—Cross & Brumage Coal Company, Strip Mine.....	Lonaconing	Powell*
"	1—Maryland Fuel Company, Strip Mine.....	Lonaconing	Close*
"	1—Maryland Fuel Company, Strip Mine.....	Lonaconing	Buckley*
"	1—Maryland Fuel Company, Strip Mine.....	Lonaconing	Powell*
"	1—Pine Mountain Coal Company, Strip Mine.....	Lonaconing	Close*
"	1—Pine Mountain Coal Company, Strip Mine.....	Lonaconing	Buckley*
"	1—Pine Mountain Coal Company, Strip Mine.....	Lonaconing	Powell*
"	7—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Close*
"	7—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Buckley*
"	7—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Close*
"	7—Clark Coal Company, No. 12 Strip.....	Midland	Close*
"	7—Clark Coal Company, No. 12 Strip.....	Midland	Buckley*
"	7—Clark Coal Company, No. 12 Strip.....	Midland	Powell*
"	7—Thrasher, J. F. Contg. & Strpg. Co., Strip.....	Midland	Powell*
"	7—Thrasher, J. F. Contg. & Strpg. Co., Strip.....	Midland	Buckley*
"	7—Thrasher, J. F. Contg. & Strpg. Co., Strip.....	Midland	Close*
"	8—Allegheny Engineering Company, Ross Strip.....	Frostburg	Powell*
"	8—Allegheny Engineering Company, Ross Strip.....	Frostburg	Buckley*
"	8—Allegheny Engineering Company, Ross Strip.....	Frostburg	Close*
"	8—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Powell*
"	8—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Buckley*
"	8—Central Sand & Gravel Company, Strip Mine.....	Frostburg	Close*

MINE INSPECTIONS
ALLEGANY COUNTY
1962

Date	Name of Company and Mine	Location	Inspector
Nov. 14	Ayers Mining Company, Ayers Mine.....	Barrellville	Powell
" 15	Alegany Engineering Company, Strip Mine.....	Frostburg	Powell*
" 15	Alegany Engineering Company, Strip Mine.....	Frostburg	Buckley*
" 15	Alegany Engineering Company, Strip Mine.....	Frostburg	Close*
" 15	Central Sand & Gravel Company, Strip Mine.....	Frostburg	Powell*
" 15	Central Sand & Gravel Company, Strip Mine.....	Frostburg	Buckley*
" 15	Central Sand & Gravel Company, Strip Mine.....	Frostburg	Close*
" 16	Porter Coal Company, Porter Mine.....	Beckhart	Powell
" 20	B. M. W. Coal Company, Barnes Strip.....	Midlothian	Powell*
" 20	B. M. W. Coal Company, Barnes Strip.....	Midlothian	Buckley*
" 20	B. M. W. Coal Company, Barnes Strip.....	Midlothian	Close*
" 20	Baughman Contracting Company, Strip Mine.....	Frostburg	Powell*
" 20	Baughman Contracting Company, Strip Mine.....	Frostburg	Buckley*
" 20	Baughman Contracting Company, Strip Mine.....	Frostburg	Close*
" *	Good Will Fuel Company, Winters Strip.....	Midlothian	Powell*
" 20	Good Will Fuel Company, Winters Strip.....	Midlothian	Buckley*
" 20	Good Will Fuel Company, Winters Strip.....	Midlothian	Close*
" 20	Winner Brothers Coal Co., Strip Mine.....	Frostburg	Powell*
" 20	Winner Brothers Coal Co., Strip Mine.....	Frostburg	Buckley*
" 20	Winner Brothers Coal Co., Strip Mine.....	Frostburg	Close*
Dec. 7	Thrasher, J. R. Contg. & Strpg. Co., Strip.....	Midland	Powell*
" 7	Thrasher, J. R. Contg. & Strpg. Co., Strip.....	Midland	Buckley*
" 7	Thrasher, J. R. Contg. & Strpg. Co., Strip.....	Midland	Close*
" 7	Valley Coal Company, Clifton Mine.....	Frostburg	Powell
" 10	Central Coal Company, No. 5 Mine.....	Frostburg	Powell
" 11	Woodland Coal Company, No. 5 Mine.....	Frostburg	Powell
" 17	Tri-State Construction Company, No. 1 Mine.....	Frostburg	Powell
" 18	Wolford Coal Company, Wolford No. 2 Mine.....	Frostburg	Powell
" 19	Yantus & Zubek, Strip Mine.....	Mt. Savage	Powell

*Denotes re-inspection

MINE INSPECTIONS GARRETT COUNTY 1962

Date	Name of Company and Mine	Location	Inspector
Jan.	3—B B & K Coal Company, Inc., Wolf Den Mine.....	Shallmar	Buckley
"	3—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	4—D & L Coal Company, Inc., No. 2 Mine.....	Mt. Zion	Buckley
"	4—Nethken, W. R. and Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	4—Trelfall Bros. Coal Company, Strip Mine.....	Pleasant Valley	Powell
"	8—Evans Coal Company, No. 1 Mine.....	Bloomington	Buckley
"	8—Paugh Bros. Coal Company, Virts No. 2 Mine.....	Swanton	Buckley
"	9—F & H Coal Company, No. 1 Mine.....	Oakland	Buckley
"	9—O & M Coal Company, No. 1 Mine.....	Oakland	Buckley
"	10—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	10—Ferguson Coal Company, No. 1 Mine.....	Mt. Lake Park	Buckley
"	11—Buffalo Coal Co., Inc., No. 1 Mine.....	Kempton	Buckley
"	15—Folly Run Coal Company, No. 1 Mine.....	Swanton	Buckley
"	15—Potomac Mining Company, Strip Mine.....	Bethel	Buckley
"	16—Bantam Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	16—Knotts Coal Company, No. 1 Mine.....	Gorman	Buckley
"	16—Rodamer Coal Company, Strip Mine.....	Bittinger	Powell
"	16—W & W Coal Company, No. 4 Mine.....	Westernport	Close
"	18—Kinsinger Coal Company, Kinsinger Mine.....	Jennings	Powell
"	18—Stein Coal Company, Stein Mine.....	Bittinger	Powell
"	18—Mill Run Geo. Creek Coal Co., Ezra Michaels No. 3.....	Westernport	Close
"	19—Dropleman Brothers, Inc., Stoney No. 2 Mine.....	Kitzmilller	Buckley
"	22—Rock Oak Coal Company, Inc., No. 1 Mine.....	Swanton	Buckley
"	24—Callis & Tasker Coal Company, Naylor Mine.....	Deer Park	Buckley
"	24—D & K Coal Company, Davies Strip.....	Grantsville	Powell
"	24—McCroskey, Jas. A. Coal Co., No. 1 Mine.....	Deer Park	Buckley
"	25—Harvey & Evans Coal Company, Mt. Top Mine.....	Vindex	Buckley
"	25—Moscow-Geo. Creek Coal Co., Pecal Strip.....	Barton	Close
"	29—Upperman Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	30—Collins Coal Company, No. 3 Mine.....	Deer Park	Buckley
"	30—Jack Frost Coal Company, No. 5 Mine.....	Deer Park	Buckley
"	30—Sines Coal Company, No. 2 Mine.....	Deer Park	Buckley
"	31—Butts, R. J. Coal Company, Susanne No. 1 Mine.....	Deer Park	Buckley
Feb.	5—D & S Coal Company, Fazenbaker Mine.....	Swanton	Buckley
"	5—Duckworth Coal Company, No. 1 Mine.....	Swanton	Buckley
"	6—Bellis Run Coal Company, No. 3 Mine.....	Mt. Lake Park	Buckley
"	6—Willow Coal Corp., No. 1 Mine.....	Kitzmilller	Buckley
"	7—Buffalo Coal Company, Laurel Strip.....	Kempton	Buckley
"	7—P & J Coal Company, Romadale Strip.....	Bittinger	Powell
"	12—Mill Run Coal Company, Snyder Mine.....	Friendsville	Powell
"	13—Evans Coal Company, No. 1 Mine.....	Bloomington	Buckley
"	13—Paugh Bros. Coal Company, Virts No. 2 Mine.....	Swanton	Buckley
"	14—Breneman Coal Company, Belzel Mine.....	Bittinger	Powell
"	14—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	14—Ferguson Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	15—Burrell Bros. Coal Company, Cal Mine.....	Kitzmilller	Buckley
"	19—Bantam Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	19—Knotts Coal Company, No. 1 Mine.....	Gorman	Buckley
"	20—Gordon, Willbert, No. 627 Mine.....	Westernport	Close
"	20—Nethken, W. R. Coal Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	20—Nethken, W. R. Coal Co., Inc., Reel No. 3 Mine.....	Bethel	Buckley
"	21—F & P Coal Company, Mary Beth Mine.....	Vindex	Buckley
"	26—F & H Coal Company, No. 1 Mine.....	Oakland	Buckley
"	26—O & M Coal Company, No. 1 Mine.....	Oakland	Buckley
"	27—Casey Contracting Company, Strip Mine.....	Friendsville	Powell
"	27—Rock Oak Coal Company, No. 1 Mine.....	Swanton	Buckley
"	28—B B & K Coal Co., Inc., Wolf Den Mine.....	Shallmar	Buckley
Mar.	5—Callis & Tasker Coal Company, Naylor Mine.....	Deer Park	Buckley
"	5—McCroskey, Jas. A. Coal Co., No. 1 Mine.....	Deer Park	Buckley
"	8—Butts, R. J. Coal Co., Susanne No. 1 Mine.....	Deer Park	Buckley
"	14—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	14—Upperman Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	15—Dropleman Bros. Coal Co., Stoney No. 2 Mine.....	Kitzmilller	Buckley
"	20—Buffalo Coal Company, Inc., No. 1 Mine.....	Kempton	Buckley
"	21—Collins Coal Company, No. 3 Mine.....	Deer Park	Buckley
"	21—Jack Frost Coal Company, No. 5 Mine.....	Deer Park	Buckley
"	21—Sines Coal Company, No. 5 Mine.....	Deer Park	Buckley
"	28—Folly Run Coal Company, No. 1 Mine.....	Swanton	Buckley
"	29—Harvey & Evans Coal Co., Inc., Mt. Top Mine.....	Vindex	Buckley
Apr.	3—Bantam Coal Company, No. 1 Mine.....	Deer Park	Buckley

MINE INSPECTIONS
GARRETT COUNTY
1962

Date	Name of Company and Mine	Location	Inspector
Apr.	3—Knotts Coal Company, No. 1 Mine.....	Gorman	Buckley
"	4—O & M Coal Company, No. 1 Mine.....	Oakland	Buckley
"	4—F & H Coal Company, No. 1 Mine.....	Oakland	Buckley
"	5—Burrell Bros. Coal Corp., Cal Mine.....	Kitzmiller	Buckley
"	11—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	11—Ferguson Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	12—F & P Coal Company, Mary Beth Mine.....	Vindex	Buckley
"	12—P & J Coal Company, Strip Mine.....	Bittinger	Powell
"	16—Stein Coal Company, Stein Mine.....	Bittinger	Powell
"	16—Thrasher, J. R. Contg. & Strpg. Co., Strip Mine.....	Barton	Close
"	18—B B & K Coal Co., Inc., Wolf Den Mine.....	Shallmar	Buckley
"	18—Brenneman Bros., Strip Mine.....	Accident	Powell
"	23—Rodamer Coal Company, Strip Mine.....	Bittinger	Powell
"	24—Nethken, W. R. and Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	24—Rock Oak Coal Company, Inc., No. 1 Mine.....	Swanton	Buckley
"	26—Nethken, W. R. and Co., Inc., Earl No. 3.....	Rethel	Buckley
"	26—Thrasher, J. R. Contg. & Strpg. Co., Strip Mine.....	Moscow	Close
May	4—Mill Run Coal Company, Snyder Mine.....	Friendsville	Powell
"	7—Evans Coal Company, No. 1 Mine.....	Bloomington	Buckley
"	7—Paugh Bros. Coal Company, Virts No. 2 Mine.....	Swanton	Buckley
"	10—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	11—Trelfall Bros. Coal Company, Strip Mine.....	Pleasant Valley	Powell
"	14—Potomac Mining Company, Strip Mine.....	Bethel	Buckley
"	15—Broadwater, Lee, Broadwater Mine.....	Jennings	Powell
"	15—Butts, R. J. Coal Co., Susanne No. 1 Mine.....	Deer Park	Buckley
"	15—Kinsinger Coal Company, Kinsinger Mine.....	Jennings	Powell
"	16—Buffalo Coal Company, Laurel Strip.....	Kempton	Buckley
"	28—Casey Contracting Company, Strip Mine.....	Friendsville	Powell
"	29—Dropleman Bros. Coal Co., Stoney No. 2 Mine.....	Kitzmiller	Buckley
June	1—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	4—Nethken, W. R. & Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	4—Rock Oak Coal Co., Inc., No. 1 Mine.....	Swanton	Buckley
"	5—Callis & Tasker Coal Co., Naylor Mine.....	Deer Park	Buckley
"	5—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	5—Ferguson Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	5—McCroskey, Jas. Coal Co., No. 1 Mine.....	Deer Park	Buckley
"	6—Harvey & Evans Coal Co., Mt. Top Mine.....	Kitzmiller	Buckley
"	7—Buffalo Coal Company, No. 1 Mine.....	Kempton	Buckley
"	22—F & P Coal Company, Mary Beth Mine.....	Vindex	Buckley
"	26—Nethken, W. R. and Co., Inc., Earl No. 3 Mine.....	Bethel	Buckley
July	10—W. & W Coal Company, No. 4 Mine.....	Westernport	Close
"	10—Butts, R. J. Coal Company, Susanne No. 1 Mine.....	Deer Park	Buckley
"	13—Gordon, Wilbert, No. 627 Mine.....	Westernport	Close
"	18—O & M Coal Company, No. 1 Mine.....	Oakland	Buckley
"	18—W & W Coal Company, No. 7 Mine.....	Westernport	Close
"	19—Folly Run Coal Company, No. 1 Mine.....	Swanton	Buckley
"	24—Buffalo Coal Company, Laurel Strip.....	Kempton	Buckley
"	26—Buffalo Coal Company, Inc., No. 1 Mine.....	Kempton	Buckley
"	30—Paugh Bros. Coal Company, Virts No. 2 Mine.....	Swanton	Buckley
Aug.	2—Collins Coal Company, No. 3 Mine.....	Deer Park	Buckley
"	8—P & J Coal Company, Strip Mine.....	Bittinger	Powell
"	10—Mill Run Coal Company, Snyder Mine.....	Friendsville	Powell
"	13—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	13—Ferguson Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	15—B B & K Coal Company, Wolf Den Mine.....	Shallmar	Buckley
"	15—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	21—Brenneman Coal Company, Beltzel Mine.....	Bittinger	Powell
"	21—W & W Coal Company, No. 4 Mine.....	Barton	Close
"	22—Brenneman Bros., Strip Mine.....	Accident	Powell
"	22—Douglas Coal Company, Strip Mine.....	Kempton	Buckley
"	23—Harvey & Evans Coal Company, Mt. Top Mine.....	Kitzmiller	Buckley
"	27—Casey Contracting Company, Strip Mine.....	Grantsville	Powell
"	27—Mill Run Geo. Creek Coal Co., Ezra Michaels Mine.....	Westernport	Close
"	27—Rock Oak Coal Co., Inc., No. 1 Mine.....	Swanton	Buckley
"	28—Sine Coal Company, No. 2 Mine.....	Deer Park	Buckley
"	29—Nethken, W. R. and Co., Inc., Earl No. 3.....	Bethel	Buckley
"	29—Rodamer Coal Company, Strip Mine.....	Bittinger	Powell
"	30—Buffalo Coal Company, Inc., No. 1 Mine.....	Kempton	Buckley
Sept.	5—Butts, R. J. Coal Co., Susanne No. 1 Mine.....	Deer Park	Buckley
"	10—Evans Coal Company, No. 1 Mine.....	Bloomington	Buckley

MINE INSPECTIONS GARRETT COUNTY 1962

Date	Name of Company and Mine	Location	Inspector
Sept.	10—Paugh Bros. Coal Company, Virtz No. 2 Mine.....	Swanton	Buckley
"	10—Moran Coal Company, No. 17 Strip.....	Westernport	Close
"	11—F & P Coal Company, Mary Beth Mine.....	Vindex	Buckley
"	13—Burrell Bros. Coal Co., Cal Mine.....	Kitzmilller	Buckley
"	13—Moran Coal Company, No. 21 Strip.....	Westernport	Buckley
"	17—Kinsinger Coal Company, Kinsinger Mine.....	Jennings	Powell
"	17—Nethken, W. R. and Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	18—B B & K Coal Company, Wolf Den Mine.....	Shallmar	Buckley
"	18—Moran Coal Company, No. 22 Strip.....	Westernport	Close
"	24—D & S Coal Company, Fazenbaker Mine.....	Swanton	Buckley
"	24—Folly Run Coal Company, No. 1 Mine.....	Swanton	Buckley
"	25—Dropleman Bros. Coal Co., Inc., Stoney No. 2.....	Kitzmilller	Buckley
Oct.	2—Buffalo Coal Company, Laurel Strip.....	Kempton	Buckley
"	2—Douglas Coal Company, Strip Mine.....	Kempton	Buckley
"	3—Callis & Tasker Coal Company, Naylor Mine.....	Deer Park	Buckley
"	3—McCroskey, Jas. Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	4—Harvey & Evans Coal Co., Inc., Mt. Top Mine.....	Vindex	Buckley
"	9—Nethken, W. R. & Co., Inc., Earl No. 3 Mine.....	Bethel	Buckley
"	15—Buffalo Coal Company, Laurel Strip.....	Kempton	Buckley*
"	15—Buffalo Coal Company, Laurel Strip.....	Kempton	Close*
"	15—Buffalo Coal Company, Laurel Strip.....	Kempton	Powell*
"	15—Douglas Coal Company, Z-7 Strip.....	Kempton	Buckley*
"	15—Douglas Coal Company, Z-7 Strip.....	Kempton	Close*
"	15—Douglas Coal Company, Z-7 Strip.....	Kempton	Powell*
"	15—Red Lion Mining Corp., Harvey Tract.....	Gorman	Buckley*
"	15—Red Lion Mining Corp., Harvey Tract.....	Gorman	Close*
"	15—Red Lion Mining Corp., Harvey Tract.....	Gorman	Powell*
"	16—Moran Coal Company, No. 18B Strip.....	Westernport	Close*
"	16—Moran Coal Company, No. 18B Strip.....	Westernport	Buckley*
"	16—Moran Coal Company, No. 18B Strip.....	Westernport	Powell*
"	16—Moran Coal Company, No. 22 Strip.....	Westernport	Close*
"	16—Moran Coal Company, No. 22 Strip.....	Westernport	Buckley*
"	16—Moran Coal Company, No. 22 Strip.....	Westernport	Powell*
"	17—P & J Coal Company, Strip.....	Bittinger	Powell
"	18—Moran Coal Company, No. 17 Strip.....	Westernport	Close*
"	18—Moran Coal Company, No. 17 Strip.....	Westernport	Buckley*
"	18—Moran Coal Company, No. 17 Strip.....	Westernport	Powell*
"	18—Moran Coal Company, No. 21 Strip.....	Westernport	Close*
"	18—Moran Coal Company, No. 21 Strip.....	Westernport	Buckley*
"	18—Moran Coal Company, No. 21 Strip.....	Westernport	Powell*
"	19—D & K Coal Company, Strip Mine.....	Grantsville	Powell
"	19—Paugh, Les Coal Company, No. 2 Mine.....	Deer Park	Buckley
"	24—Moran Coal Company, Strip Mine.....	Westernport	Close*
"	24—Moran Coal Company, Strip Mine.....	Westernport	Buckley*
"	24—Moran Coal Company, Strip Mine.....	Westernport	Powell*
"	29—Liller, C. A. Coal Co., Strip Mine.....	Barton	Close*
"	29—Liller, C. A. Coal Co., Strip Mine.....	Barton	Buckley*
"	29—Liller, C. A. Coal Co., Strip Mine.....	Barton	Powell*
"	30—O & M Coal Co., No. 1 Mine.....	Oakland	Buckley
"	30—Ream, Harland, Ream Mine.....	Oakland	Buckley
"	31—Broadwater, Lee, Broadwater Mine.....	Jennings	Powell
"	31—Moscow-Geo. Creek Coal Co., Pecal Strip.....	Barton	Close*
"	31—Moscow-Geo. Creek Coal Co., Pecal Strip.....	Barton	Buckley*
"	31—Moscow-Geo. Creek Coal Co., Pecal Strip.....	Barton	Powell*
"	31—Thrasher, J. R. Contg. & Strpg. Co., Colmer Strip.....	Barton	Close*
"	31—Thrasher, J. R. Contg. & Strpg. Co., Colmer Strip.....	Barton	Buckley*
"	31—Thrasher, J. R. Contg. & Strpg. Co., Colmer Strip.....	Barton	Powell*
Nov.	5—Brenneman Coal Company, Beitzel Mine.....	Bittinger	Powell
"	5—Buffalo Coal Company, No. 1 Mine.....	Kempton	Buckley
"	12—Nethken, W. R. & Co., Inc., Reel No. 1 Mine.....	Vindex	Buckley
"	19—Mill Run Coal Company, Snyder Mine.....	Friendsville	Powell
"	19—Ervin Coal Company, Dixon Mine.....	Deer Park	Buckley
"	19—Ferguson Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	19—Mill Run Geo. Creek Coal Co., Ezra Michaels Mine.....	Westernport	Close
"	27—Dropleman Bros. Coal Co., Inc., Stoney No. 2.....	Kitzmilller	Buckley
"	28—Round Glade Coal Company, No. 1 Mine.....	Deer Park	Buckley
"	28—Dorsey Coal Company, Ashby Mine.....	Crellin	Buckley
"	29—Gordon, Willert, No. 627 Mine.....	Westernport	Close
Dec.	4—Brenneman Bros., Strip Mine.....	Accident	Powell
"	4—D & K Coal Company, Bowser Strip.....	Grantsville	Powell*

MINE INSPECTIONS GARRETT COUNTY 1962

Date	Name of Company and Mine	Location	Inspector
Dec.	4—D & K Coal Company, Bowser Strip.....	Grantsville	Buckley*
..	4—D & K Coal Company, Bowser Strip.....	Grantsville	Close*
..	4—D & K Coal Company, Strip Mine.....	Grantsville	Powell*
..	4—D & K Coal Company, Strip Mine.....	Grantsville	Buckley*
..	4—D & K Coal Company, Strip Mine.....	Grantsville	Close*
..	4—Trelfall Bros., Inc., Strip Mine.....	Pleasant Valley	Powell*
..	4—Trelfall Bros., Inc., Strip Mine.....	Pleasant Valley	Buckley*
..	4—Trelfall Bros., Inc., Strip Mine.....	Pleasant Valley	Close*
..	5—Ebensburg Coal & Clay Co., Ternent Strip.....	Pleasant Valley	Powell*
..	5—Ebensburg Coal & Clay Co., Ternent Strip.....	Pleasant Valley	Buckley*
..	5—Ebensburg Coal & Clay Co., Ternent Strip.....	Pleasant Valley	Close*
..	5—Ebensburg Coal & Clay Co., Strip Mine.....	Pleasant Valley	Powell*
..	5—Ebensburg Coal & Clay Co., Strip Mine.....	Pleasant Valley	Buckley*
..	5—Ebensburg Coal & Clay Co., Strip Mine.....	Pleasant Valley	Close*
..	5—Casey Contracting Company, Strip Mine.....	Grantsville	Powell*
..	5—Casey Contracting Company, Strip Mine.....	Grantsville	Buckley*
..	5—Casey Contracting Company, Strip Mine.....	Grantsville	Close*
..	5—Rodamer Coal Company, Strip Mine.....	Bittinger	Powell*
..	5—Rodamer Coal Company, Strip Mine.....	Bittinger	Buckley*
..	5—Rodamer Coal Company, Strip Mine.....	Bittinger	Close*
..	10—Kinsinger Coal Company, Kinsinger Mine.....	Jennings	Powell

*Denotes co-inspection

STRIP MINING

The Strip Mining Laws of the State of Maryland were revised and went into effect on June 1, 1959. To engage in open pit mining of bituminous coal, the operator must first file an application as provided by this department. Each application will cover four acres of coal to be stripped. This must be accompanied by a Form of Bond, Cash or U. S. Government Securities in the amount of twelve hundred dollars (\$1,200.00), four hundred dollars (\$400.00) per acre. The operator must also pay a filing fee of fifty dollars (\$50.00). A PERMIT, giving the location of the acreage to be stripped, is then issued to the operator by the Bureau of Mines.

To further comply with this law, the operator must file an Operations Report within thirty (30) days after starting removal of over-burden. Within thirty (30) days after the operation is finished or abandoned, the operator must file a Completion Report with the Bureau.

The following permits have been issued:

- Permit No. 1 Central Sand and Gravel Company
- Permit No. 2 Allegheny Engineering Company*
- Permit No. 3 B. M. W. Coal Company
- Permit No. 4 Old Hampshire Coal Company, Inc.*
- Permit No. 5 Carr and Gotfely Construction Co.*
- Permit No. 6 M. H. Bigan Coal Company*
- Permit No. 7 Moran Coal Company*
- Permit No. 8 Allegheny Engineering Company*

Permit No. 9	Schell Mining Company, Inc.*
Permit No. 10	B & U Coal Company*
Permit No. 11	Morgan Contracting Company**
Permit No. 12	Romadale Coal Corporation*
Permit No. 13	Cross Fuel Company*
Permit No. 14	Highland Construction Company*
Permit No. 15	Phoenix Big Vein Coal Company
Permit No. 16	Moran Coal Company*
Permit No. 17	T. J. Cramblett**
Permit No. 18	Moscow-Georges Creek Coal Company
Permit No. 19	J. R. Thrasher Contracting & Stripping Co.
Permit No. 20	Moran Coal Company
Permit No. 21	Schell Mining Company, Inc.**
Permit No. 22	Savage Coal Company
Permit No. 23	Moran Coal Company
Permit No. 24	The George's Creek Coal & Land Co.
Permit No. 25	Charles T. Clise
Permit No. 26	Allegany Engineering Company*
Permit No. 27	Goodwill Fuel Company
Permit No. 28	D. B. & B. Coal Company*
Permit No. 29	Queen George's Creek Coal Co.**
Permit No. 30	Mack Coal Company
Permit No. 31	White Crest Coal Company, Inc.**
Permit No. 32	D. B. & B. Coal Company*
Permit No. 33	Moran Coal Company
Permit No. 34	Chelsie A. Liller*
Permit No. 35	J. E. George Trucking Co.**
Permit No. 36	D. B. & B. Coal Company
Permit No. 37	J. & M. Coal Company**
Permit No. 38	Casey Construction Company**
Permit No. 39	Moran Coal Company
Permit No. 40	Albert R. Winner
Permit No. 41	Buffalo Coal Company, Inc.*
Permit No. 42	Casey Construction Company**
Permit No. 43	Sara-Ki Coal Company, Inc.*
Permit No. 44	Yantus & Zubek Coal Company*
Permit No. 45	Moran Coal Company
Permit No. 46	Casey Construction Company**
Permit No. 47	Moran Coal Company
Permit No. 48	Moran Coal Company
Permit No. 49	Sara-Ki Coal Company, Inc.*
Permit No. 50	Laurel Creek Company, Inc.**
Permit No. 51	D. B. & B. Coal Company**
Permit No. 52	Moon and Sons
Permit No. 53	George L. Smith Contracting Co.*
Permit No. 54	Central Sand and Gravel Company
Permit No. 55	Moran Coal Company
Permit No. 56	North Branch Coal Corp.
Permit No. 57	George Coal Company**
Permit No. 58	Samuel Compton & Company**

Permit No. 59	Hoover & White*
Permit No. 60	Laurel Creek Company, Inc.
Permit No. 61	The Eddy Fuel Company**
Permit No. 62	J. R. Thrasher Contracting & Stripping Co.*
Permit No. 63	Pittsburgh Coal Company*
Permit No. 64	Close-Fitzwater Coal Company
Permit No. 65	Laurel Creek Company, Inc.*
Permit No. 66	Allegheny Engineering Company
Permit No. 67	Chelsie A. Liller
Permit No. 68	Casey Contracting Company**
Permit No. 69	Pine Mountain Coal Company
Permit No. 70	Opel and Brenneman*
Permit No. 71	Central Sand & Gravel Company
Permit No. 72	P. & J. Coal Company
Permit No. 73	Casey Contracting Company**
Permit No. 74	Goodwill Fuel Company*
Permit No. 75	D. B. & B. Coal Company*
Permit No. 76	Baughman Contracting Company, Inc.
Permit No. 77	P & K Coal Company*
Permit No. 78	Morgan Contracting Company
Permit No. 79	Buffalo Coal Company, Inc.
Permit No. 80	Buffalo Coal Company, Inc.
Permit No. 81	Randall Robertson
Permit No. 82	Hoover & White**
Permit No. 83	James E. George*
Permit No. 84	B. M. W. Coal Company, Inc.*
Permit No. 85	Casey Contracting Company**
Permit No. 86	Beener Coal Company
Permit No. 87	Moran Coal Company, Inc.
Permit No. 88	D & K Coal Company
Permit No. 89	Brenneman Brothers
Permit No. 90	Mack Coal Company*
Permit No. 91	Clarence Rodamer
Permit No. 92	James E. George*
Permit No. 93	Casey Contracting Company**
Permit No. 94	Winner Brothers
Permit No. 95	Moran Coal Company, Inc.
Permit No. 96	Big Vein Coal Company
Permit No. 97	Maryland Fuel Company, Inc.
Permit No. 98	Yantus-Zubek Coal Company
Permit No. 99	J. R. Thrasher Contracting & Stripping Co.
Permit No. 100	Trelfall Bros., Inc.
Permit No. 101	Mack Coal Company*
Permit No. 102	C. A. Liller Coal Company
Permit No. 103	Cross and Brumage Coal Company
Permit No. 104	Beener Coal Company
Permit No. 105	D & K Coal Company
Permit No. 106	Mack Coal Company
Permit No. 107	Yantus and Zubek
Permit No. 108	Potomac Mining Company*
Permit No. 109	Casey Contracting Company*

Permit No. 110	Wilhelm Coal Company*
Permit No. 111	Allegheny Engineering Company
Permit No. 112	Clark Coal Company
Permit No. 113	Casey Contracting Company*
Permit No. 114	Casey Contracting Company
Permit No. 115	Douglas Coal Company
Permit No. 116	Red Lion Mining Corporation
Permit No. 117	Edensburg Coal and Clay Company

*Denotes Operation Completed.

**Denotes Operation Completed and Forfeiture of Bond. (Backfilled by Maryland Bureau of Mines).

KITZMILLER MINE RESCUE TEAM

The Kitzmiller Mine Rescue Team is still intact and has regular practice sessions under the supervision of Harry B. Buckley, District Mine Inspector.

The members of the team during 1962 were, Chester L. Evans, Haven D. Chapman, Ivan K. Spiker, James Clark, Jr., Frank J. Reel, James C. Brady and Lee A. Hartman. All of the members of this team resided in the vicinity of Kitzmiller, Maryland.

The Mine Rescue Team and the Maryland Bureau of Mines cooperate with the Maryland Civil Defense Agency to provide adequate rescue service for all cases of emergency.

SAFETY ORDERS

During the calendar year 1962, one (1) Safety Order was issued by the District Mine Inspectors of the Bureau of Mines.

On November 19, 1962, Thomas B. Powell, District Mine Inspector, District No. 1, issued a Safety Order citing several violations of the Maryland Mining Law. The mine was ordered closed and did not reopen.

PROSECUTIONS

It was not necessary to obtain warrants against any mine operator for violation of the Maryland Mining Laws, during 1962.

FRANK T. POWERS

The retirement, on December 31, 1962, of Frank T. Powers, Director of the Maryland Bureau of Mines, terminated a long, varied and distinguished career in the coal mining industry.

At the age of thirteen, Mr. Powers started to work for the Union Mining Company at Union No. 1, as a miner. In 1908 he went to work for the Consolidated Coal Company. Governor Harrington appointed him State Mine Inspector, in 1918, but this was cut short when he was called to the Army the same year. After serving during World War I, he was discharged in 1919. He was reappointed State Mine Inspector in 1920 by Governor Ritchie. He held this office until 1949 when he was appointed Director to succeed Dr. John J. Rutledge. Mr. Powers assumed his duties in Annapolis; and, two months later, the office of the Bureau of Mines was moved to Westernport, in the coal mining area of the State.

During his tenure of office, Mr. Powers' chief interest was the health and safety of those employed in the coal mines, also the promotion of Maryland coal. He was instrumental in having the Maryland Mining Laws revised in 1950; and to further promote safety, a mine rescue station was established at Kitzmiller, Maryland, in 1950. This includes a rescue truck and sufficient equipment for any type of disaster.

Mr. Powers was a member of the Western Maryland Safety Engineers' Society, the National Mine Rescue Association, the Coal Mining Institute of America, the Mine Rescue Veterans Association, and a life member in the Mine Inspectors' Institute of America, of which he was Treasurer for about 10 years.

Mr. Powers was born in Frostburg, Maryland, on October 29, 1888, the son of John and Rachel Powers. He is married to the former Mary Brady and they are the parents of one son, Dr. William Powers.

Mr. Carl A. Schell, Kitzmiller, Maryland, was appointed to succeed Mr. Powers as Director of the Bureau of Mines.



STATISTICS OF CUMBERLAND COAL TRADE

During Period beginning January 1, 1962
and ended December 31, 1962

Compiled from official sources in the Accounting Department
OF

The Western Maryland Railway Company

* * * * *

Coal Originated on Western Maryland Railway Co.
Destined to and Passing through Cumberland, Md.

WESTERN MARYLAND RAILWAY COMPANY

TO

B & O R.R.	318,810 Net Tons
P. R.R.	19,299 Net Tons
WM Ry	3,471,778 Net Tons

Total	3,809,887 Net Tons

FATALITIES

During the year 1962, one (1) fatal accident occurred at one of our strip mining operations.

While operating a D-8 Dozer, Marvin Evans was killed instantly on December 18, 1962 at the strip mine operation of the Douglas Coal Company, Inc., Kempton Strip Mine, Garrett County, Maryland.

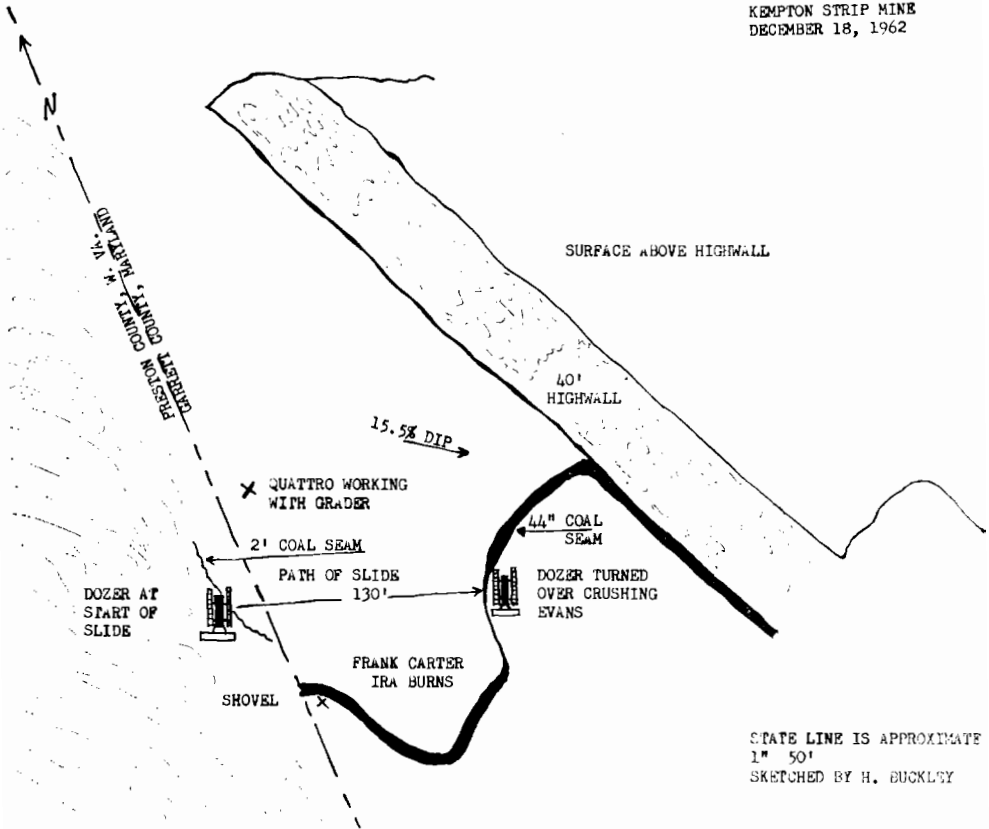
Mr. Evans was building a road on the edge of a coal seam for trucks to run on, and in backing to make a second pass he backed too far with his rear tracks over the edge of a 22" coal seam. When he dropped the blade it took the weight off the front, letting the rear of the dozer tilt over, slide sideways on the frozen coal seam for 130 feet, where it dropped off a 44" coal seam, breaking the left hydraulic arm and letting the dozer turn over on the operator crushing him in his seat. It was necessary to lift the dozer with power equipment in order to release Mr. Evans. He was taken by ambulance to the Tucker County Hospital in Parsons, West Virginia, where he was pronounced dead.

Mr. Evans was 56 years of age and had 35 years mining experience, 22 years as a bulldozer operator with this company. He is survived by his widow and three children, all over 18 years of age.

Inspector in Charge of District—Harry B. Buckley
Final investigation was made on Wednesday, January 3, 1963,
by Inspector Harry B. Buckley, Director Carl A. Schell, Mary-
land Bureau of Mines; Noah B. Close and W. L. Evans, U. S.
Bureau of Mines.

RECOMMENDATION—Equipment operators should exercise more care on embankments and in keeping equipment under control, especially on pitching seams.

FATAL ACCIDENT TO:
MARVIN EVANS, AGE 56
DOUGLAS COAL CO.
KEMPTON STRIP MINE
DECEMBER 18, 1962



SKETCH OF
FATAL ACCIDENT

DOUGLAS COAL COMPANY, INC.
December 18, 1962

ACTIVITIES OF FUEL COMBUSTION ADVISOR

For the Year 1962

During the year 1962, Mr. Robert D. Ewing, Fuel Combustion Advisor, spent 49 days in the office and laboratory at Westernport and 45 days at State Institutions. A total of 137 days were spent in the field collecting samples, advising on coal preparation, etc. Four days were spent at private institutions. Approximately 484 coal samples were processed in the coal testing Laboratory.

Three complaints were received concerning coal delivered to State Institutions. Two complaints were the result of oxidized coal. One complaint was caused by foreign material in the coal. Samples of these coals were collected and analyzed. Conferences were held with the shippers and consumers and corrections and adjustments were made on the shipment.

An exhaust fan and hood were installed over the furnaces in the laboratory. This equipment has improved the conditions by providing a more effective method of removing smoke and fumes from the working area.

REPORT OF VOCATIONAL MINING EDUCATION

The Night Mining Classes opened their sessions in January, 1962, and continued to July, 1962.

The classes were instructed by James H. Close, Harry B. Buckley, and Thomas B. Powell, District Mine Inspectors.

The classes were conducted in Barton at the High School by James H. Close, in Kitzmiller at the Mine Rescue Station by Harry B. Buckley, and at Frostburg State Teachers College by Thomas P. Powell.

The combined enrollment of the classes was 30 students.

The subjects studied were:

- Mining Methods
- Mine Gases and Gas Testing
- Map Reading
- Flame Safety Lamps
- Electricity
- Mine Fires and Explosions
- The Use of Permissible Explosives
- Mining Laws—Deep and Strip Mines

The classes met weekly and averaged two or more hours each session. A discussion period was held, and much interest was shown at this time, with students contributing questions related to their own local conditions. Visual aid was used to good advantage during the term, particularly in the interest of safety.

Enough interest was displayed in Vocational Mining to carry on this program and demonstrated the continued need for this type of training.

The Mine Inspectors also instructed First Aid Classes during the course of the year, to outside interests as well as the mining interests.