

CALENDAR YEAR 1980
FIFTY-EIGHTH ANNUAL REPORT
of the
MARYLAND BUREAU OF MINES



TO
HON. HARRY HUGHES
Governor of Maryland
DEPARTMENT OF NATURAL RESOURCES
JAMES B. COULTER, The Secretary

ENERGY ADMINISTRATION
PAUL MASSICOT, Administrator

From
MARYLAND BUREAU OF MINES
ANTHONY F. ABAR, Director

CALENDAR YEAR 1980
FIFTY-EIGHTH ANNUAL REPORT
of the
MARYLAND BUREAU OF MINES



TO
HON. HARRY HUGHES
Governor of Maryland

DEPARTMENT OF NATURAL RESOURCES
JAMES B. COULTER, The Secretary

ENERGY ADMINISTRATION
PAUL MASSICOT, Administrator

From
MARYLAND BUREAU OF MINES
ANTHONY F. ABAR, Director

STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
ENERGY ADMINISTRATION
BUREAU OF MINES

FROSTBURG, MARYLAND 21532

LETTER OF TRANSMITTAL

To His Excellency

HONORABLE HARRY HUGHES

Governor of Maryland

Sir:

I have the honor to submit herewith the Fifty-Eighth Annual Report of the Maryland Bureau of Mines for the period January 1, 1980, through December 31, 1980, in compliance with the Maryland Mining Law. This Report is the One Hundred Fourth Annual Report upon conditions of the coal mines within the State.

Very respectfully,

Anthony F. Abar, Director

PERSONNEL, MARYLAND BUREAU OF MINES

Anthony F. Abar. Director
Stephen M. Layton Energy Resources Officer III
Fred L. Bagley. Energy Resources Officer III
John E. Carey Energy Resources Officer II
Patrick E. Gallagher. Energy Resources Officer II
Thomas H. Bolyard Energy Resources Officer I (1/80 - 7/80)
Alan V. Hooker. Energy Resources Officer I (8/80 - 12/80)
P. Douglas Curtis. District Mine Inspector
James E. Droppelman District Mine Inspector
John C. Eilers District Mine Inspector
Chester L. Evans District Mine Inspector
Ruth D. Booth Office Supervisor
Mary E. Cameron Office Secretary I
Dorothy E. Siperko. Stenographer Clerk III

REPORT OF THE MARYLAND BUREAU OF MINES

Coal production in Maryland during 1980 totaled 3,760,092.25 tons. Production for 1980 represents an increase of 1,043,475.18 tons from the 1979 production of 2,716,617.07 tons.

SUMMARY OF 1980 STATISTICS¹

COAL PRODUCTION

Mining Method	Allegany County	Garrett County	Total Net Tons	%
Strip	1,121,343.48	1,129,736.64	2,251,080.12	59%
Deep	0	1,493,630.97	1,493,630.97	39%
Auger	1,474.00	13,907.16	15,381.16	2%
TOTALS	1,122,817.48	2,637,274.77	3,760,092.25	100%

EMPLOYEES¹

Type of Mine	Allegany County	Garrett County	Total	Fatalities
Deep	0	537	537	0
Strip	278	329	607	0
TOTALS²	278	866	1,144	0

¹Reports submitted by Maryland mining operators.

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

Allegany County shows a production of 4,038.91 net tons per man employed during 1980.

Garrett County shows a production of 3,045.35 net tons per man employed during 1980.

TONNAGE BY COAL SEAMS

Allegany County

Waynesburg	318,209.09
Sewickley	128,699.06
Redstone	126,143.25
Pittsburgh	363,470.30
Morantown	30,618.07
Little Pittsburgh	4,613.55
Franklin	107,398.33
Wellersburg	5,218.09
Barton	25,631.46
Federal Hill	810.30
Bakerstown	12,005.98
TOTAL	1,122,817.48

Garrett County

Waynesburg	18,441.29
Sewickley	26,470.00
Pittsburg	165,319.00
Franklin	82,147.00
Barton	8,346.00
Harlem	39,429.51
Bakerstown	337,242.34
Brush Creek	119,975.45
Mahoning	55,653.00
Freeport	1,269,116.06
Clarion	23,224.95
Kittanning	491,910.17
TOTAL	2,637,274.77

TONNAGE BY BASIN

Lower Youghiogheny	259,830.89
Upper Youghiogheny	0.00
Casselman	130,328.97
Casselman (Cherry Creek)	115,303.93
Potomac	1,917,947.52
George's Creek	1,336,680.94
TOTAL	3,760,092.25

FOR CALENDAR YEAR 1980

STATISTICS: ALLEGANY COUNTY

Name of Operator	Permit Number	Coal Seam Worked	Employees	Days Worked	Man-Hour Exposure	TONNAGE			ACRES			Approved For Reveal. Bond Release
						Deep	Strip	Auger	Stripped 1	Backfilled 2	Planted 3	
Alpha Mining	362	Pittsburgh	4	20	160	450.45			3	0	0	0
Ayers Coal Co.	323	Franklin	1	248	1,656	6,202.00			3	2	0	0
Brashear Coal Company	264	Pittsburgh L. Pittsburgh Morantown	9	277	15,555.5	32,187.15 2,123.15 10,977.35			14	13.5	13.5	0
Buffalo Coal Co., Inc.	241	Pittsburgh	0	0	0	0			4	7	7	0
	276	Pittsburgh	0	0	0	0			10	0	0	0
	279	Pittsburgh	18	245	35,344	35,632.00			20	0	0	0
	326	Pittsburgh	12	245	23,944	27,285.00			5	0	0	0
	327	Pittsburgh	0	0	0	0			14	35	35	0
	328	Waynesburg	3	62	1,488	1,910.00			0	0	0	0
	334	Franklin	0	0	0	0			0	0	0	0
	359	Pittsburgh	9	62	4,288	10,036.00			4.5	0	0	0
Clise Coal Company	234	Sewickley	1	195	1,088	3,473.59			0	0	0	6
	315	Waynesburg Sewickley	2	216	3,879	8,442.90 280.40			11	10	0	0
Commonwealth Coals	337	Redstone Morantown Pittsburgh	12	252	23,506	34,715.60 17,050.72 16,543.24			6	23	0	0

FOR CALENDAR YEAR 1980

Delta Mining, Inc.	213	Waynesburg	12	249	29,880			19	8	54.9	6
	270	Pittsburgh									
		Waynesburg	2	176	2,879			3	4.4	4.4	0
John Duckworth	222	Pittsburgh	0	0	0						23
	319	Pittsburgh	0	0	0						11
	324	Pittsburgh	2	151	2,896						3
	352	Pittsburgh	5	127	4,744						0
Richard Duckworth	357	Bakerstown	4	63	1,832			6	0	0	0
Emmett Duppsstadt	178	Pittsburgh	2	135	2,080			0	0	0	0
Eastern Mining Systems	341	Barton	8	294	20,393			21	0	0	0
		Franklin									
		Federal Hill									
Eckhart Coal Company	184A	Franklin	2	256	4,096			0	0	0	0
	274	Pittsburgh	3	240	7,200			6	10.5	9	0
Fetterolf Mining, Inc.	340	Wellersburg	6	159	9,256			10	8.72	0	0
G & H Coal Co., Inc.	230	Harlem	0	0	0			0	0	0	25
Hi-Note, Inc.	231	Pittsburgh	5	279	13,686			10	9.5	12.5	6
Lambert Coal Company	246	Barton	0	0	0			0	0	0	55
Marsh Coal Company	268	Sewickley	13	328	27,599			12	49.15	25.6	0
		Franklin									
		Pittsburgh									
		L. Pittsburgh									
		Redstone									
		Morantown									
Phillips Coal, Inc.	245	Bakerstown	0	0	0			0	0	0	50
	252	Sewickley	0	0	0			0	0	0	67
	282	Sewickley	0	0	0			0	0	0	50

1,474.00

~~1,474.00~~

FOR CALENDAR YEAR 1980

T. G. & C. Coal Co.	286	Sewickley	11	260	24,443.25	28,207.89	0	0	9	19.2
	318	Waynesburg	6	260	13,493	10,872.98	24	25.4	48	0
		Sewickley	22	255	49,648.50	20,802.60	77	22	22	24
Tower Resources, Inc.	251	Waynesburg	9	243	14,879	226,425.24	7	40	40	0
	259	Sewickley	10	20	1,561.50	2,297.88	5	9	9	0
	284	Franklin	0	0	0	60,935.86	1.5	0	0	0
		L. Bakerstown	3	20	480	6,839.56	2	0	0	0
		Franklin	9	100	8,192	9,740.03	6	0	0	0
Thrasher Coal Company	226	Franklin	0	0	0	0	0	0	0	12
Union Coal Company	233	Pittsburgh	3	225	5,520	7,567.00	5	0	0	0
	338	Franklin	0	0	0	6,146.00	4,755.00			
Wilhelm Coal, Inc.	339	Bakerstown	0	0	0	0	0	0	0	0
Win-More Mining & Construction Company	273	Redstone	3	225	5,520	7,567.00	5	0	0	0
		Pittsburgh	8	264	17,022	6,146.00				
		Sewickley	0	0	0	4,755.00				
Winner Bros. Coal Co.	40	Redstone	8	264	17,022	36,273.00	10	0	0	0
	182	Pittsburgh	0	0	0	0	0	0	0	3.5
	202	Sewickley	5	264	11,665	25,544.00	2	0	0	0
	207	Pittsburgh	21	264	20,916	96,407.00	12	0	0	0
		Redstone	0	0	0	33,476.00				
		Sewickley	6	198	8,899	15,121.00	0	0	0	0
	227	Waynesburg	6	264	15,397	5,093.00	22	8	8	0
	247	Pittsburgh	7	242	13,215	32,126.00	14	0	0	0
	329	Redstone	9	66	5,541	12,353.00	5	0	0	0
	351	Waynesburg	8	22	1,431	7,297.00	7	0	0	0
	353	Waynesburg	278	7,246	449,752.75	572.00	390	298.07	304.8	360.7
TOTALS ALLEGANY						1,121,343.48				

1,474⁰⁰

STATISTICS: GARRETT COUNTY

Name of Operator	Permit Number	Coal Seam Worked	Employees	Days Worked	Man-Hour Exposure	TONNAGE			ACRES			Approved For Release
						Deep	Strip	Auger	Stripped 1	Backfilled 2	Planted 3	
A & R Coal Company	257	Freeport	1	90	1,040		5,787.30		2.4	9	5.7	0
Alexander Coal Co.	292	Brush Creek	0	0	0	0	0		0	0	0	46
	311	Brush Creek	0	0	0	0	0		0	0	0	15
Allegany Mining	263	Upper Freeport	5	245	9,800		17,634.00		35	0	0	24
	277	Upper Freeport	15	245	29,400		46,659.		19	2	6	14
Beener Coal Company	143	Pittsburgh	13	307	28,269		133,895.00		8	7	11.3	12
Bittinger Coal Co.	265	Freeport	2	247	4,940		7,666.36		0	19.7	22	0
Blue Chip Mining Co.	308	Upper Freeport Lower Freeport	8	100	5,898		5,569.67 5,569.68		1	4	4	0
Brawal Mining, Inc.	316	Kittanning	8	275	17,241		52,188.22		0	18.5	18.5	0
	354	Kittanning	0	0	0		0		28	0	0	0
Bridgeview Coal Co.	256	Upper Freeport	0	0	0		0		0	0	0	42
	306	Upper Freeport	0	0	0		0		0	0	0	46
	344	Upper Freeport	7	5	280		0		8	33	33	0
	350	Brush Creek	10	276	19,048.5		113,782.05		28	1	0	0
Buffalo Coal Company	190	Kittanning	0	0	0		0		0	0	0	19
	215	Bakerstown	10	245	19,936		34,307.54		12	22.5	13.5	36
	185	Bakerstown	0	0	0		0		0	75	77	0
	240	Freeport	15	245	41,725		34,261.00		7	25	25	0
		Bakerstown					29,245.00					
	248	Upper Freeport	0	0	0		0		0	0	0	17
	304	Mahoning	17	206	27,864		55,653.00		14	9	9	9
	360	Clarion	15	62	7,440		5,319.00		10	0	0	0

FOR CALENDAR YEAR 1980

Oakland Coal Co.	173	Harlem	10	252	19,567.5	39,429.51	28.5	10	10	50
	211	L. Bakerstown	0	0	0	0	0	0	0	3
	297	Upper Freeport	2	5	240	711.95	0	4.5	4.5	0
	310	Bakerstown	10	245	12,978	39,066.55	19	0	0	0
Pine Mt. Coal Co.	253	U. Bakerstown	0	0	0	0	0	0	0	2
	289	Upper Freeport	3	142	3,560	13,482.59	3	0	0	0
	293	Bakerstown	2	69	984	1,015.70	0	10	14	0
River Hill Coal Co.	272	Freeport	2	36	473	993.00	3	15	15	0
	295	Kittanning	3	62	956.5	0	0	32	32	0
Schwinabart & Green	348	Bakerstown	2	199	2,984	10,055.15	5	0	0	0
T. L. Moran, Inc.	287	Harlem	2	119	1,961	0	0	28	28	0
	307	Freeport	2	26	488	0	0	0	0	0
Tower Resources, Inc.	361	Waynesburg	11	52	8,428.5	18,441.29	60	0	0	0
Upperman Coal Co.	206	Bakerstown	6	225	10,264	13,720.00	3	9	9	4
Westvaco Resources	333	Franklin	38	255	84,039	82,147.00	39	0	52	0
		L. Pittsburgh				31,424.00				
		Sewickley				26,470.00				
Wilhelm Coal, Inc.	193	Barton	0	0	0	0	3	23	53	0
	314	Brush Creek	0	0	0	0	0	14	2	2.5
	349	L. Bakerstown	12	308	28,101	31,757.54	40	20	18.5	0
		U. Bakerstown				4,131.99				
Yough Tree Farm	260A	Clarion	0	0	0	0	0	0	0	12
TOTALS GARRET COUNTY			866	7,749	1,640,299.75	1,493,630.97	13,907.16	464.9	657.36	679.96
TOTALS ALLEGANY COUNTY			278	7,246	449,752.75	0	1,474.00	298.07	304.80	360.7
TOTAL BOTH COUNTIES			1,144	14,995	2,089,982.50	1,493,630.97	15,381.16	854.9	955.43	984.76

1As reported by Bureau of Mines inspectors on inspections reports.

2As reported on backfilling reports submitted by operators and approved by Bureau of Mine's inspector.

3As reported on planting reports submitted by operators and approved by Bureau of Mine's inspector.

FOR CALENDAR YEAR 1980

MINE FOREMAN AND FIRE BOSS
EXAMINATIONS AND CERTIFICATIONS

During 1980 the number of Mine Foreman and Fire Boss applicants continued to reflect the demand for certified Mine Foremen and Fire Bosses due to the recent increase in deep mine activity. The number of Mine Foremen and Fire Boss examinations conducted from 1973 through 1980 are identified below.

YEAR	APPLICANTS EXAMINED		APPLICANTS CERTIFIED	
	Mine Foremen	Fire Boss	Mine Foremen	Fire Boss
1980	8	36	3	21
1979	14	28	12	26
1978	30	16	22	16
1977	0	0	0	0
1976	11	0	11	0
1975	0	0	0	0
1974	2	0	1	0
1973	0	0	0	0

CALENDAR YEAR 1980 ACCIDENT REPORT

Company	Permit Number	Non-Fatal Accidents	Working Days Lost	Fatal Accidents	Accident Rate	Description of Injury
Allegheny Mining Corp.	277	1	0	0	34.01	Injured was helping oiler fix travel chain on drag-line, oiler went to hit bar with sledge hammer, missed bar hit operator in head with sledge hammer.
Kelley Enterprises, Inc.	347	1	35	0	225.06	Employee was putting track on dozer, chain slipped or broke, swung back and struck employee's right eye causing dislocation of lens.
Tower Resources, Inc.	Tripple	1	9	0	94.71	Employee was struck on top of his head by a slate rock that bounced off of picking table at tripple. He was wearing a hard hat at time of injury. Injured received a concussion.
Tower Resources, Inc.	Tripple	1	0	0	94.71	Coal lump busted as it was coming off shaker onto the picking table and a piece of coal struck employee in left eye and caused a tear under his eyelid.
Tower Resources, Inc.	Tripple	1	7	0	94.71	Injured was loading rocks into the loader bucket when the rock slipped and lacerated his left middle finger requiring six stitches.
Tower Resources, Inc.	Shop	1	0	0	94.71	Employee received a bruised foot when he was attempting to move a skid of cutting edges for a dozer blade when one of the cutting edges fell off skid and struck the top of his left foot.
Tower Resources, Inc.	Shop	1	0	0	94.71	Employee was getting out of pickup at the shop and he slipped on some ice and bruised his left hand from the fall.
Tower Resources, Inc.	251	1	0	0	40.28	Employee was repairing a drum section of drag line and ran a piece of drag cable into his left knee resulting in a puncture wound.

FOR CALENDAR YEAR 1980

Tower Resources, Inc.	251	1	0	0	40.28	Employee was oiling carrier on drill and was getting off when he slipped and fell off drill, tearing ligaments in his right wrist and bruising left ribs.
Tower Resources, Inc.	259	1	0	0	201.62	Employee was adjusting bolt on brake band when the wrench slipped from his hand and struck him in the face, resulting in lacerations to the face.
Tower Resources, Inc.	259	1	0	0	201.62	Employee was sweeping floor of drag line when the wind blew a piece of foreign material into his eye resulting in an infection in his left eye.
Tower Resources, Inc.	259	1	9	0	201.62	Employee was cutting brush with chain saw kicked and cut him across his left leg requiring stitches.
L.C. Coal Company	343	1	24	0	91.75	Employee was getting down from the hi-lift when he slipped and fell into the side of the hi-lift. Extent of injury was badly bruised ribs, possibly cracked or broken.
L. C. Coal Company	343	1	12	0	91.75	Employee was tightening a pipe with a wrench, the wrench slipped causing the employee to twist. This caused torn ligaments in his back and neck.
Mettiki Coal Corp.	DM-101	1	0	0	40.75	Injured was helping to fix the front idler on the continuous miner when the push plate fell and caught his finger between it and the cat track on the miner causing laceration and fracture to his finger.
Mettiki Coal Corp.	DM-101	1	26	0	40.75	Injured was in the process of traming the stamler feeder to a new location when he slipped pulling the tramm lever which pinned him between the coal rib and the machine. He received bruises to the thigh and groin area.
Mettiki Coal Corp.	DM-101	1	23	0	40.75	Employee was taking some tools out of the track tool box when the lid of the box fell on the back of his right hand incurring the injury (laceration).
Mettiki Coal Corp.	DM-101	1	47	0	40.75	During a roof bolting operation a piece of slate fell out between the bolts striking the employee on the left shoulder fracturing his collar bone.

Mettike Coal Corp.	DM-104	1	0	0	99.05	Employee was transferring belt rollers from one location to another when he drop ped one and cut his wrist which required eight stitches.
Mettiki Coal Corp.	DM-104	1	106	0	99.05	Injured was trammimg the feeder when it twisted and caught his foot. His toes on the right foot were crushed.
Mettiki Coal Corp.	DM-105	1	27	0	55.51	Injured slipped on ice in the parking lot and broke his leg.
Mettiki Coal Corp.	DM-101	1	1	0	40.75	Employee was in the process of driving a spike in a piece of wood when he struck his little finger, fracturing it.
Mettiki Coal Corp.	DM-101	1	20	0	40.75	The injured was putting in a gravity line to control a water problem when a co-worker leaned against a post that had been set. The post fell out striking the employee on the head causing bruises and muscle spasms to the neck.
Mettiki Coal Corp.	DM-101	1	105	0	40.75	Employee was scaling down a loose coal rib when someone asked him a question. When he turned to answer, some more of the rib came in striking him on the left leg, breaking it.
Mettiki Coal Corp.	DM-101	1	51	0	40.75	The injured was attempting to load a partially full barrel of diesel fuel onto the scoop bucket when it rolled back onto his left foot causing bruises to the instep of his foot.
Mettiki Coal Corp.	DM-101	1	3	0	40.75	During a roof bolting operation, the injured was reaching out to the head to withdraw the drill steel when a small piece of draw slate fell striking his thumb against the drill steel guide mashing his thumb.
Mettiki Coal Corp.	DM-101	1	1	0	40.75	The employee was watching the miner cable when he bent down to pick it up he suffered a back sprain.

FOR CALENDAR YEAR 1980

Mettiki Coal Corp.	DM-101	1	3	0	40.75	The individual was pulling on a stuck chain when he bumped his elbow on a block wall causing bruises to his elbow.
Mettiki Coal Corp.	DM-101	1	1	0	40.75	Employee was walking along the beltline when he slipped and fell bruising his shoulder.
Mettiki Coal Corp.	DM-101	1	0	0	40.75	The employee was shoveling coal along the beltline when he slipped on the ice, hitting his left hip on the belt structure causing a pinched nerve in his left hip.
Mettiki Coal Corp.	DM-101	1	3	0	40.75	Employee received a bruised shoulder when he was stacking blocks along a rib when a section of rib rolled out pushing him down onto the blocks.
Mettiki Coal Corp.	DM-101	1	1	0	40.75	Employee was attempting to pull down a loose rib. When he put the slate bar against the rib it rolled out striking him on the left side causing bruises to the left thigh, back and shoulder.
Mettiki Coal Corp.	DM-101	1	5	0	40.75	Injured was in the process of tramping the stamler feeder to a new location when a section of the coal rib fell out striking the injured in the back causing bruises to his back.
Mettiki Coal Corp.	DM-101	1	4	0	40.75	During a roof bolting operation the injured was attempting to start his hole for a resin bolt when the drill steel started up crooked. He withdrew his drill steel to start again when a piece of rock struck him on the head & shoulder causing mild concussion, bruises and lacerations.
Mettiki Coal Corp.	DM-104	1	2	0	99.05	Employee stepped in a hole while walking to the face area and twisted his ankle.
Mettiki Coal Corp.	DM-104	1	11	0	99.05	Employee was walking to the outside when he tripped and fell hitting his head and face against a piece of concrete causing lacerations to his face and a bruised cheek.

FOR CALENDAR YEAR 1980

Mettiki Coal Corp.	DM-104	1	2	0	99.05	Injured was setting a post when he lost his grip on it. The post fell and struck his head causing a mild concussion.
Mettiki Coal Corp.	DM-104	1	109	0	99.05	Employee was helping to move a feeder and was caught between the feeder and rib. He sustained broken toes and foot.
Mettiki Coal Corp.	DM-104	1	2	0	99.05	A rock fell from between two rows of bolts and struck employee's back and foot causing bruises.
Mettiki Coal Corp.	DM-104	1	5	0	99.05	While cleaning the bolter the employee dropped the head on his foot mashing his big toe of the left foot.
Mettiki Coal Corp.	DM-104	1	4	0	99.05	While taking down tubing the employee slipped and fell bruising his ribs.
Mettiki Coal Corp.	DM-104	1	55	0	99.05	Employee was setting a piece of rail; he dropped it and sustained a broken foot.
Mettiki Coal Corp.	DM-104	1	44	0	99.05	Employee was working on a partially built crib when it fell striking him across the back. He suffered bruises and contusions of the back and right side.
Mettiki Coal Corp.	DM-104	1	65	0	99.05	Employee was bolting a place when he moved the wrong lever, the bolter boom swung over and pinned him against the rib causing broken hip.
Mettiki Coal Corp.	DM-104	1	3	0	99.05	Employee sprained his back while lifting a trim chain onto the miner.
Mettiki Coal Corp.	DM-104	1	210	0	99.05	A rib roll caught injured's leg which resulted in a broken leg (femur).
Mettiki Coal Corp.	DM-104	1	2	0	99.05	Employee was building a crib when a rib rolled out and struck his leg bruising and scraping his left leg.
Mettiki Coal Corp.	DM-104	1	1	0	99.05	Employee was helping to service a ram car when a small rib roll hit his hand and mashed his fingers.
Mettiki Coal Corp.	DM-104	1	3	0	99.05	Employee slipped off a bridge and sprained his ankle.

FOR CALENDAR YEAR 1980

Mettiki Coal Corp.	DM-104	1	25	0	99.05	While walking down an entry employee slipped and fell and broke his leg.
Mettiki Coal Corp.	DM-104	1	1	0	99.05	Employee slipped and fell against the feeder twisting and spraining his left knee.
Mettiki Coal Corp.	DM-104	1	23	0	99.05	While moving a large piece of rock it rolled and caught his hand and mashing his ring finger on the right hand.
Mettiki Coal Corp.	DM-104	1	2	0	99.05	Employee hit a hole with his ram car, bounced and hit his head against the canopy.
Mettiki Coal Corp.	DM-104	1	2	0	99.05	Employee dropped a board on his foot and mashed his foot.
Mettiki Coal Corp.	DM-104	1	5	0	99.05	A rib rolled out and struck employee's right leg causing bruises.
Mettiki Coal Corp.	DM-104	1	5	0	99.05	Employee dropped a crossbar on his foot and mashed it.
Mettiki Coal Corp.	DM-104	1	6	0	99.05	Employee slipped and fell and sprained his back while walking the belt line.
Mettiki Coal Corp.	DM-104	1	2	0	99.05	Employee pulled muscles in his back when he tried to catch a crossbar falling off the supply car.
Mettiki Coal Corp.	DM-104	1	3	0	99.05	Employee fell and sprained his back when he was getting out of his ram car.
Mettiki Coal Corp.	DM-105	1	5	0	55.51	Employee was dragging a miner cable when he lost his footing and fell on his right knee causing contusions.
Mettiki Coal Corp.	DM-105	1	27	0	55.51	Injured was walking to mine when he fell on the ice and broke his ankle.
Mettiki Coal Corp.	DM-105	1	6	0	55.51	Injured person said a small piece of coal fell from a rib and hit him, he was escorted outside and checked by the safety inspector. He couldn't find anything wrong with him but could smell alcohol on his breath. He was taken to Garrett County Hospital and checked. Doctor could find nothing wrong.

Mettiki Coal Corp.	DM-105	1	5	0	55.51	Employee slipped while carrying supplies to the bolter and twisted his ankle.
Mettiki Coal Corp.	DM-105	1	0	0	55.51	Employee hurt his back while using pick to dig out bottom for bridge plank.
Mettiki Coal Corp.	DM-105	1	14	0	55.51	Unknown object hit employee in left eye while miner was cutting coal at face. Employee was not wearing eye protection.
Mettiki Coal Corp.	DM-105	1	1	0	55.51	Employee was moving toolbox on section by dragging it. Toolbox slid against rig and caught hand between toolbox and rib causing sprain and contusions
Mettiki Coal Corp.	DM-105	1	9	0	55.51	Person jumped off piece of equipment and twisted ankle on rock.
Mettiki Coal Corp.	DM-105	1	51	0	55.51	After bolting cut, person lowered safety post on roof bolter and a piece of rock fell off post striking person on hand and left leg. Slight concussion and abrasions.
Mettiki Coal Corp.	DM-105	1	1	0	55.51	Employee was putting flat car back on track and pulled a muscle in his back.
Mettiki Coal Corp.	DM-105	1	2	0	55.51	Employee sprained his ankle when he stepped in a hole while rock dusting.
Mettiki Coal Corp.	DM-105	1	1	0	55.51	Employee was carrying drill steel in left hand and fell in snow and mashed his finger between drill steel and ground.
Mettiki Coal Corp.	DM-105	1	31	0	55.51	Employee was swinging bolter boom over to install roof bolt along rib. Swing cylinder came loose and boom pinched person between boom and rib. Employee sustained cracked pelvis and bruised leg.
Mettiki Coal Corp.	DM-105	1	9	0	55.51	Employee was cleaning up along belt line. He picked up a piece of rock to throw on belt and sprained his back.

COMPARATIVE ACCIDENT REPORT

Year	Man-Hours Exposure	Tons Produced	Fatals	Lost Time Accidents	Frequency	Fatalities Per Million Man Hours	Short Tons Per Million	Non Fatal Per Million Man Hours	Non Fatal Per Million Short Tons	Tons Per Fatality	Tons Per Non Fatal Injuries
1980	2,089,982.5	3,760,092.25	0	61	35.4	0	0	35.4	19.68	—	50,812.05
1979	1,855,326.73	2,716,617.07	3	29	31.8	1.61	1.1	31.8	21.71	905,539.02	46,044.35
1978	1,429,612	2,851,321.89	1	24	16.78	.69	.35	16.78	8.06	2,851,321.89	123,970.51
1977	1,373,626.25	3,028,629.66	0	15	10.9	N.A.	0	10.9	4.95	—	201,908.64
1976	1,287,997.5	2,695,178.96	0	4	3.1	N.A.	0	3.1	1.48	—	673,794.74
1975	981,372	2,520,765.27	1	5	5.09	1.01	.39	5.09	1.98	2,520,765.27	504,153.05
1974	697,707.5	2,221,412.94	1	0	N.A.	1.4	.43	0	0	2,221,412.94	N.A.
1973	541,210	1,754,130.93	0	3	5.7	0	0	5.7	1.14	1,754,130.93	584,710.31
1972	520,285	1,638,418.46	0	5	9.61	0	0	9.61	3.05	1,638,418.46	327,683.69
1971	806,056	1,591,677.20	0	6	7.44	0	0	7.44	3.77	1,591,677.20	265,279.53
1970	445,991	1,467,002.77	1	4	11.21	2.24	.67	8.97	2.72	1,467,002.77	366,750.69
1969	372,282	1,381,644.96	0	4	10.74	0	0	10.74	2.9	1,381,644.96	345,411.24
1968	400,128	1,394,265.23	0	5	12.50	0	0	12.50	3.5	1,394,265.23	278,853.04
1967	603,467	1,319,317.63	1	6	11.50	165	.76	9.94	3.8	1,319,317.63	262,328.05
1966	N.A.	1,210,052.00	0	6	N.A.	N.A.	0	N.A.	4.9	—	201,675.33
1965	N.A.	1,195,787.15	0	18	N.A.	N.A.	0	N.A.	15.5	—	66,432.61
1964	N.A.	1,143,255.11	1	15	N.A.	N.A.	.875	N.A.	13.1	1,143,255.11	76,217.00
1963	N.A.	1,124,746.01	0	29	N.A.	N.A.	0	N.A.	16.0	—	38,784.34
1962	N.A.	832,866.05	1	37	N.A.	N.A.	1.8	N.A.	44.4	832,866.05	22,509.89
1961	N.A.	718,039.09	1	29	N.A.	N.A.	1.3	N.A.	40.3	718,039.09	24,759.96
1960	N.A.	759,086.03	3	28	N.A.	N.A.	3.9	N.A.	36.8	253,028.67	27,110.21

FOR CALENDAR YEAR 1980
LAND RECLAMATION COMMITTEE

21

ANNUAL REPORT

Members:

The following members served on the Land Reclamation Committee during 1980:

DEPARTMENT OF NATURAL RESOURCES
REPRESENTATIVES:

Kenneth N. Weaver (Chairman), Maryland Geological Survey
Stephen M. Layton, Maryland Bureau of Mines
Paul Mateer, Maryland Forest Service
Carlo Brunori, Maryland Wildlife Administration (1/80-7/80)
Ed Golden, Maryland Wildlife Administration (8/80-12/80)

OFFICE OF ENVIRONMENTAL PROGRAMS

Robert V. Creter, Department of Health & Mental Hygiene

CITIZENS' REPRESENTATIVES:

June Neder, Allegany County
Hugh Trimble, Garrett County

COUNTY REPRESENTATIVES:

Lois Crossland, Allegany County
Roger Bray, Garrett County

SOIL CONSERVATION DISTRICT REPRESENTATIVES:

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

COAL INDUSTRY REPRESENTATIVES:

George Stanya
James M. Coffroth

Meetings and Time:

The Land Reclamation Committee meets at the Bureau of Mine's office in Frostburg, Maryland. All meetings are open to the public and are announced in the Maryland Register and local papers.

Functions and Duties of the Committee:

The Land Reclamation Committee oversees land reclamation activities related to the surface mining of coal in Maryland. It is specifically directed by statute (Annotated Code of Maryland, Section 7-205/b/) to: “. . . study, recommend, and approve all procedures for reclamation, conservation, and revegetation of any area affected by open pit mining within the State”

Specific duties addressed by the Committee during its monthly meetings include:

1. Review and approval of reclamation plans.
2. Review and approval of Annual Mining and Reclamation Progress Reports, Final Reports, and revegetation bond releases.
3. Establish amounts of revegetation bond for each operation.

The Land Reclamation Committee visits every site for which mining permit applications have been filed to determine the suitability of the reclamation plan. The Committee also examines sites for purposes of approving annual progress reports and final reports.

REVEGETATION OF STRIP MINED LANDS

The State Land Reclamation Committee voted to release 824.8 acres of reclaimed surface coal mined land, from a total of 1,299 acres eligible for revegetation bond release, during 1980. The action was taken after consideration of sixty-nine (69) planting reports filed by thirty-one (31) coal companies. Members of the State Land Reclamation Committee visited each area to review and evaluate the planting reports during late September and early October.

Prior to release of bonds, the State's surface mining regulations require a minimum of two growing seasons after planting for evaluation to determine if:

- (1) The herbaceous coverage is at least 80 percent;
- (2) Bare areas do not exceed 2,500 square feet;
- (3) Permanent legumes, well distributed, comprise at least 10 percent of coverage;
- (4) Erosion rills and gullies do not exceed nine inches in depth;
- (5) There are no depressions in the area: and
- (6) If trees and shrubs are planted, at least 600 well distributed and living stems must exist per acre.

Longer evaluation time may be required, even if an area meets these criteria at the end of two growing seasons, if the health conditions of the vegetation are questionable.

All reclaimed acres were planted with a mixture of permanent and temporary grasses and legumes to insure adequate erosion control protection. In addition to herbaceous cover, trees for forestry purposes and trees and shrubs specifically planted for wildlife benefit were planted on 110 acres.

The principal reasons for disapproval of 474.2 eligible acres were failure to meet the legume requirements and rills and gullies exceeding nine inches.

The percentage of acres released from acres eligible for release was down somewhat this year for several reasons: (1) the quality and quantity of follow-up topdressing and repair work was not up to standard; (2) more severe scrutinization by the Land Reclamation Committee; and (3) the pattern of rainfall and temperature this summer and fall was not conducive for good sustained growth.

During the early spring of each year, a listing of acres eligible for revegetation bond release is compiled. Copies of this listing can be obtained by contacting the Bureau of Mines office.

Two significant concerns of strip mine revegetation work during 1980 were the establishment of trees in heavy herbaceous cover and the use of municipal sewage sludge for the revegetation of back-filled strip mined land. To begin to alleviate these concerns, the U.S. Forest Service held symposiums during the fall of 1980 in Lexington, Kentucky and Pittsburgh, Pennsylvania to inform various governing agencies of the latest information and results obtained. It was proposed to have annual symposiums until adequate data can be distributed among the various coal producing states. Maryland has accomplished research work in both areas of concern and can contribute to the knowledge of other interested parties.

ABANDONED MINE LAND RECLAMATION

A total of 65 acres of abandoned mines were reclaimed by six different contracts covering backfilling, revegetation, and diversion construction. The total cost of the six contracts was \$203,450. The source of the construction funds is the Bituminous Coal Open-Pit Mining and Reclamation Fund. The Bituminous Coal Open-Pit Mining and Reclamation Fund is derived from a 15cent per ton of coal mined reclamation surcharge and a \$40 per acre of land mined reclamation fee paid by the coal operators.

In addition to the six contracts mentioned above, the Bureau completed two emergency projects funded by the U.S. Department of Interior, Office of Surface Mining (OSM). The first project consisted of the stabilization of seven buildings on the Frostburg State College campus affected by abandoned deep mine subsidence. Three of the buildings were funded by OSM at a total cost of \$1,000,134; and the other four buildings were funded by the State of Maryland at a total cost of \$1,250,488. The buildings were stabilized by injecting a flyash-cement mixture into the mine voids to provide support and reduce the likelihood of future subsidence problems.

The second OSM funded project was for the control of drainage from an abandoned deep mine which had impounded water and subsequently erupted near Barton, causing flood damage to seven properties. The project consisted of the installation of an elliptical concrete culvert, 1,400 feet of rock lined channel, and an energy dissipation basin. Total total cost was \$121,500 for both engineering and construction.

The Bureau also completed a double bulk head mine sealing project in the Bear Creek watershed near Friendsville. The cost of inspection and construction was \$119,890. The Bureau received funds from the Appalachian Regional Commission in the amount of \$41,250 and the remaining funds for the project came from the Mine Reclamation and Water Quality Restoration Loan Fund of 1970. The project consisted of the construction of two gravel bulk heads grouted in place, a concrete seal injected between the bulk heads, and a grout curtain extended 150 feet in both directions from the seal.

Presently, the Appalachian regional Commission is funding a daylighting project in the Cherry Creek Basin. Daylighting is a technique used to remove abandoned underground mine workings by surface mining methods to eliminate ground water from becoming contaminated by the mine workings. This project will eliminate the last known abandoned underground mine drainage source in the Cherry Creek watershed. The project is approximately 75% complete and is expected to be complete in the Fall of 1981.

In addition to the projects mentioned above, the Deer Park Daylighting demonstration project was completed in 1980. The Deer Park Daylighting Project was a co-operative project between the U.S. Environmental Protection Agency and the Maryland Department of Natural Resources. Initiated in 1972, its purpose was to demonstrate the feasibility of "daylighting" an abandoned deep mined area to abate the acid mine drainage flowing from the deep mine.

Construction work on the project was started in 1976 and completed in August of 1979. A post-construction monitoring program was initiated in August, 1979 and completed in September, 1980. The data is being compiled and a final report for the project is being drafted.

FOR CALENDAR YEAR 1980
SUMMARY OF LAND MINED, BACKFILLED, AND PLANTED IN 1980
(By Basin)

FOR CALENDAR YEAR 1980

Table No. 1

	ACRES THIS YEAR *						
	Acres Approved By LRC	Permitted	Striped	Backfilled	Planted	Revegetation Bond Released	Final Reports
Allegheny County:							
George's Creek Basin (geological)	472.08	374	390	298.07	304.8	360.7	3
Garrett County:							
George's Creek Basin (geological)	59.5	246	154	64	152.8	14	1
Potomac Basin (geological)	88	588	109.5	220.5	198.5	155	3
Casselman Basin**	156	31	80	231	162	8	3
Cherry Creek Water Basin**	0	100	78	58.7	83.3	92	2
Upper Yough Basin (geological)	0	0	8	33	33	43.6	1
Lower Yough Basin (geological)	58.5	65	35.4	50.16	50.36	151.5	2
Garrett County Totals	382.0	1,030	464.9	657.36	679.96	464.1	12
TOTAL BOTH COUNTIES (All Basins)	834.08	1,404	854.9	955.43	984.76	824.8	15

Table No. 2

	ACRES CUMULATIVE FROM JANUARY 1, 1975 - DECEMBER 31, 1980						
	Acres Approved By LRC	Permitted	Striped	Backfilled	Planted	Revegetation Bond Released	Final Reports
Allegheny County:							
George's Creek Basin (geological)	4,690.08	4,196.5	2,454.1	1,725.97	1,669.8	1,250.5	21
Garrett County:							
George's Creek Basin (geological)	1,243.0	1,087	893.4	607.3	875.5	831.1	5
Potomac Basin (geological)	1,480	1,849	1,050.4	1,100.3	1,421.6	1,468.3	14
Casselman Basin*	1,406.3	1,170	684	566.8	529.6	319.9	9
Cherry Creek Water Basin*	532	624	518.4	265.3	354.4	238.4	6
Upper Yough Basin (geological)	253	214	124.7	144.1	138.3	96.1	3
Lower Yough Basin (geological)	949.5	1,134	644.5	768.96	671.26	438.6	16
Garrett County Totals	5,864.3	6,078	3,915.4	3,552.76	3,990.66	3,392.4	53
TOTAL BOTH COUNTIES (All Basins)	10,554.38	10,274.5	6,369.5	5,278.73	5,660.46	4,642.9	74

*Where difference occurs between Approved and Permitted, either Permit was approved in 1979 and not issued until 1980, or Permit was not issued.

**Both Casselman Geological Basin.

Table No. 3 FOR CALENDAR YEAR 1980

SUMMARY OF MINING AND RECLAMATION STATISTICS
1973 - 1980

	1973	1974	1975	1976	1977	1978	1979	1980	Cumulative Total
Surface Mine Licenses Issued (New)	4	14	20	12	13	9	8	6	86
New Surface Mine Permits Issued	37	35	37	19	25	20	7	19	199
New Deep Mine Permits Issued	0	0	0	0	1	.5	0	0	6
Auger Only Permits Issued	0	0	1	0	0	0	0	0	1
A.M. & R.P.R.'s Processed	49	49	92	111	135	156	139	111	842
Amended Permits Processed	37	41	62	38	36	24	8	19	265
Forfeitures	0	0	0	0	0	1	4	5	10
Permits Completed and Planted	7	5	16	3	19	17	19	15	101
Site Evaluation Committee Days	22	23	23	28	32	23	22	25	198
Land Reclamation Committee Days	13	13	14	12	11	13	9	11	96

Permit No. 1	The George's Creek Lumber 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	Car and Gotfelty 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 (Repermitted 338)
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 (Repermitted 333)
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	Allegheny 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	Winner Bros. Coal Co., Inc.
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	The Georges Creek Lumber 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	Mineral Coal Co., Inc. of West Virginia
Permit No. 65	Laurel Creek Company, Inc.*
Permit No. 66	The Georges Creek Lumber 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	The Georges Creek Lumber 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	The Georges Creek Lumber 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	Ebensburg Coal and Clay Company*
Permit No. 118	James E. George*
Permit No. 119	Ebensburg Coal & Clay Company*
Permit No. 120	J.R. Thrasher Contracting & Stripping Co.
Permit No. 121	Moran Coal Company, Inc.*
Permit No. 122	Buffalo Coal Company, Inc.*
Permit No. 123	J.R. Thrasher Contracting & Stripping Co.*
Permit No. 124	Win-More Mining & Construction Co., Inc.*
Permit No. 125	Beener Coal Company*
Permit No. 126	W.R. Nethken & Co., Inc.*
Permit No. 127	Mack Coal Company*
Permit No. 128	J.R. Thrasher Contracting & Stripping Co.*
Permit No. 129	J. Russell Cravener*
Permit No. 130	Chelsie A. Liller*
Permit No. 131	The Georges Creek Lumber Company*
Permit No. 132	Brenneman Brothers*
Permit No. 133	W. R. Nethken & Co., Inc.*
Permit No. 134	Richards and Parnell Coal Co.*
Permit No. 135	William Brashear
Permit No. 136	W. R. Nethken & Co., Inc.*
Permit No. 137	G & S Coal Co., Inc.
Permit No. 138	J. R. Thrasher Contracting & Stripping Co.
Permit No. 139	J. R. Thrasher Contracting & Stripping Co.*
Permit No. 140	Shallmar Coal Company, Inc.*
Permit No. 141	Randall Robertson***
Permit No. 142	Ace Drilling Coal Co., Inc.*
Permit No. 143	Beener Coal Company
Permit No. 144	Clarence Rodamer*
Permit No. 145	Ginniman Coal Co.*
Permit No. 146	Raymond A. Wolf Mining Co.*
Permit No. 147	Menallen Coke Co.*
Permit No. 148	Russel Shafer*
Permit No. 149	Homage Coal Co. (Emmett Duppstadt)*
Permit No. 150	Twin States Coal Co.**
Permit No. 151	M.F. Fetterolf Coal Co., Inc.*
Permit No. 152	Ebensburg Coal and Clay Co.**

Permit No. 153	Raymond A. Wolf Mining Co. (UPRC)
Permit No. 154	Michael Rostosky*
Permit No. 155	Ginniman & Ware Coal Company*
Permit No. 156	Harold H. Upole Coal Company*
Permit No. 157	T.G.&C. Coal Company, Inc.*
Permit No. 158	Clarence Rodamer Coal Company*
Permit No. 159	Michael Rostosky Coal Company*
Permit No. 160	Russel Shafer Coal Company*
Permit No. 161	Buffalo Coal Company, Inc.*
Permit No. 162	J. R. Thrasher Contracting & Stripping Co.***
Permit No. 163	Buffalo Coal Company, Inc.
Permit No. 164	Union Coal Company
Permit No. 165	Win-More Mining & Construction Co., Inc.*
Permit No. 166	Ginniman Coal Company*
Permit No. 167	Upperman Coal Company*
Permit No. 168	Frank Pulford**
Permit No. 169	Winner Bros. Coal Company, Inc.*
Permit No. 170	Russel Shafer*
Permit No. 171	The Chief Coal Company*
Permit No. 172	Mary Ruth Corp.*
Permit No. 173	Oakland Coal Co.
Permit No. 174	Bernard C. Drees*
Permit No. 175	Delta Mining, Inc.*
Permit No. 176	D & K Coal Co., Inc.*
Permit No. 177	T.G.&C. Coal Company, Inc.*
Permit No. 178	Emmett Dupstadt
Permit No. 179	Somerset Excavating, Inc.*
Permit No. 180	Ayers Coal Co.
Permit No. 181	Delta Mining, Inc.
Permit No. 182	Winner Brothers Coal Company, Inc.
Permit No. 183	Chief Coal Company*
Permit No. 184	Eckhart Coal Company
Permit No. 185	Bessemer Iron & Coal Company*
Permit No. 186	Coal Lick Coal Company*
Permit No. 187	Phillips Big Vein Coal Company
Permit No. 188	Ace Drilling Coal Company, Inc.*
Permit No. 189	Buffalo Coal Company, Inc.
Permit No. 190	Buffalo Coal Company, Inc.
Permit No. 191	Keystone Coal & Development Company (Liability Assumed by Garrett County Roads Dept.)
Permit No. 192	Ace Drilling Company, Inc.*
Permit No. 193	Wilhelm Coal, Inc.
Permit No. 194	M. F. Fetterolf Coal Co., Inc.***
Permit No. 195	Buffalo Coal Company, Inc.
Permit No. 196	Bessemer Iron & Coal Co.*
Permit No. 197	Grafton Coal Co.
Permit No. 198	Jet Fuel Coal Co.*
Permit No. 199	Bessemer Iron & Coal Co.
Permit No. 200	Chief Coal Co.*
Permit No. 201	Brashear Coal Co.*

Permit No. 202	Winner Bros. Coal Co., Inc.
Permit No. 203	Mary Ruth Corp.*
Permit No. 204	Grafton Coal Co.*
Permit No. 205	Chief Coal Co.*
Permit No. 206	Upperman Coal Co.
Permit No. 207	Winner Bros. Coal Co., Inc.
Permit No. 208	Sanner Bros. Coal Co.*
Permit No. 209	Delta Mining, Inc.
Permit No. 210	Markat, Inc.*
Permit No. 211	Oakland Coal Co.
Permit No. 212	Bessemer Iron & Coal Co.*
Permit No. 213	Delta Mining, Inc.
Permit No. 214	Interstate Lumber Co.*
Permit No. 215	Buffalo Coal Co., Inc.
Permit No. 216	Brashear Coal Co.***
Permit No. 217	Bernard Drees Coal Co.*
Permit No. 218	Buffalo Coal Co., Inc.*
Permit No. 219	G.&S. Coal Co., Inc.
Permit No. 220	Evans Coal Co.*
Permit No. 221	Bridgeview Coal Co.*
Permit No. 222	John Duckworth
Permit No. 223	Edward Mikel*
Permit No. 224	Delta Mining, Inc.
Permit No. 225	Northwest Coal Co., Inc.*
Permit No. 226	Thrasher Coal Company
Permit No. 227	Winner Bros. Coal Co., Inc.
Permit No. 228	Bittinger Coal Co.*
Permit No. 229	Charles M. Filsinger *
Permit No. 230	G & H Coal Co., Inc.
Permit No. 231	Hi-Note, Inc.
Permit No. 232	Buffalo Coal Co., Inc.
Permit No. 233	Union Coal Co., Inc.
Permit No. 234	Clise Coal Co., Inc.
Permit No. 235	Markat, Inc.*
Permit No. 236	Delta Mining, Inc.*
Permit No. 237	Bridgeview Coal Co.*
Permit No. 238	Burnham Coal Co., Inc.*
Permit No. 239	Highland Mining
Permit No. 240	Buffalo Coal Co., Inc.
Permit No. 241	Buffalo Coal Co., Inc.
Permit No. 242	Hopwood Strip Mine, Inc.
Permit No. 243	Ponderosa Coal Company, Inc.*
Permit No. 244	Markat, Inc.*
Permit No. 245	Phillips Coal, Inc.
Permit No. 246	Lambert Coal Company
Permit No. 247	Winner Bros. Coal Company, Inc.
Permit No. 248	Buffalo Coal Co., Inc.
Permit No. 249	Cobra Fuels
Permit No. 250	Laoc Coal Company*
Permit No. 251	Tower Resources, Inc.
Permit No. 252	Phillips Coal, Inc.

Permit No. 253	Pine Mt. Coal Company
Permit No. 254	T.G.&C. Coal Company, Inc.*
Permit No. 255	Allegheny Mining Corporation*
Permit No. 256	Bridgeview Coal Company, Inc.
Permit No. 257	A & R Coal Co.
Permit No. 258	Clinton Coal Company **
Permit No. 259	Tower Resources, Inc.
Permit No. 260	Yough Tree Farm
Permit No. 261	Russel Shafer***
Permit No. 262	Northwest Coal Company, Inc.**
Permit No. 263	Allegheny Mining Corporation
Permit No. 264	Brashear Coal Company
Permit No. 265	Bittinger Coal Company
Permit No. 266	Delta Mining, Inc.
Permit No. 267	Bittinger Coal Company
Permit No. 268	Clyde J. Marsh
Permit No. 269	Hungry Hollow Coal Company *
Permit No. 270	Delta Mining, Inc.*
Permit No. 271	A.&R. Coal Company*
Permit No. 272	River Hill Coal Company
Permit No. 273	Win-More Mining & Construction Company
Permit No. 274	Evans Coal Company
Permit No. 275	Buffalo Coal Company, Inc.
Permit No. 276	Buffalo Coal Company, Inc.
Permit No. 277	Allegheny Mining Corporation
Permit No. 278	Interstate Lumber Co. *
Permit No. 279	Buffalo Coal Co.
Permit No. 280	Delta Mining, Inc.
Permit No. 281	Rondell Company *
Permit No. 282	Phillips Coal, Inc.
Permit No. 283	G. & H. Coal Company, Inc.
Permit No. 284	Tower Resources, Inc.
Permit No. 285	Clinton Coal Company **
Permit No. 286	T. G. & C. Coal Company
Permit No. 287	T. L. Moran Coal Company
Permit No. 288	Delta Mining, Inc.
Permit No. 289	Pine Mt. Coal Company
Permit No. 290	Delta Mining, Inc.
Permit No. 291	George Nolan **
Permit No. 292	Alexander Coal Company*
Permit No. 293	Pine Mt. Coal Company
Permit No. 294	Arlen Miller***
Permit No. 295	River Hill Coal Company
Permit No. 296	Bessemer Iron & Coal Company
Permit No. 297	Oakland Coal Company
Permit No. 298	Allegheny Mining Corp.
Permit No. 299	Interstate Lumber Company
Permit No. 300	Garbart Coal Company
Permit No. 301	Pine Mt. Coal Company *
Permit No. 302	L. C. Coal Company, Inc.
Permit No. 303	Ginniman Bros. Coal Company

Permit No. 304	Buffalo Coal Co., Inc.
Permit No. 305	Wood Products, Inc.
Permit No. 306	Bridgeview Coal Company
Permit No. 307	T. L. Moran Coal Company
Permit No. 308	Blue Chip Mining Co.
Permit No. 309	Delta Mining, Inc.
Permit No. 310	Oakland Coal Co.
Permit No. 311	Primrose Coal Co.
Permit No. 312	R. A. K. Coal Company, Inc.
Permit No. 313	G. & S. Coal Company, Inc.
Permit No. 314	Wilhelm Coal, Inc.
Permit No. 315	Clise Coal Company
Permit No. 316	Brawal Mining, Inc.
Permit No. 317	John R. Livingston**
Permit No. 318	T. G. & C. Coal Company
Permit No. 319	John Duckworth
Permit No. 320	Kelley Enterprises
Permit No. 321	Delta Mining, Inc.
Permit No. 322	Bridgeview Coal Company *
Permit No. 323	Ayers Coal Company
Permit No. 324	John Duckworth
Permit No. 325	G. & S. Coal Co., Inc.
Permit No. 326	Buffalo Coal Co., Inc.
Permit No. 327	Buffalo Coal Co., Inc.
Permit No. 328	Buffalo Coal Co., Inc.
Permit No. 329	Winner Bros. Coal Co., Inc.
Permit No. 330	Interstate Lumber Co., Inc.
Permit No. 331	R.A.K. Coal Co., Inc.***
Permit No. 332	Seneca Mining Company
Permit No. 333	Westvaco Resources, Inc.
Permit No. 334	Buffalo Coal Co., Inc.
Permit No. 335	Interstate Lumber Co., Inc.
Permit No. 336	Interstate Lumber Co., Inc.
Permit No. 337	T. L. Moran Coal Co., Inc.
Permit No. 338	Union Coal Co., Inc.
Permit No. 339	Wilhelm Coal, Inc.
Permit No. 340	Fetterolf Mining, Inc.
Permit No. 341	Eastern Mining Systems
Permit No. 342	Primrose Coal Company
Permit No. 343	L. C. Coal Company
Permit No. 344	Bridgeview Coal Company
Permit No. 345	Delta Mining, Inc.
Permit No. 346	Interstate Lumber Co.
Permit No. 347	Kelley Enterprises
Permit No. 348	Schwinabart & Green Joint Venture
Permit No. 349	Wilhelm Coal, Inc.
Permit No. 350	Bridgeview Coal Co., Inc.
Permit No. 351	Winner Bros. Coal Company

FOR CALENDAR YEAR 1980

Permit No. 352 John Duckworth Coal Co.
Permit No. 353 Winner Bros. Coal Co.
Permit No. 354 Brawal Mining, Inc.
Permit No. 355 Wilhelm Coal, Inc.****
Permit No. 356 G. & S. Coal Co., Inc.
Permit No. 357 Richard Duckworth
Permit No. 358 Bridgeview Coal Co., Inc.
Permit No. 359 Buffalo Coal Co., Inc.
Permit No. 360 Buffalo Coal Co., Inc.
Permit No. 361 Tower Resources, Inc.
Permit No. 362 Alpha Mining, Inc.
Permit No. 363 Tower Resources, Inc.
Permit No. 364 Moran Coal Company
Permit No. 365 G. & S. Coal Co., Inc.
Permit No. 366 Buffalo Coal Co., Inc.
Permit No. 367 Buffalo Coal Co., Inc.
Permit No. 368 Winner Bros. Coal Co.
Permit No. 369 Bittinger Coal Company

*Operation Completed and Bond Released

**Forfeiture of Bond

***Not Activated

****Permit Not Issued