



#692
Wolf Summit
Quadrangle
7.8 Minute Series
27 Contour Interval

Proposal, Drainage, Mine Development &
Subsidence Control Plan Survey Map
Miami Coal Company
Mining Address: RR #3 Box 84-C
Farmers WV 26044
Phone: (204) 387-0583

"Flag Run Surface Mining Operation"
RR #1 Box 3-1003-44
Sards District
Harrison County
West Virginia Wolf Summit
Date February 1984 Scale 1" = 400'



NPDES
Exhibit A

17 140255-01 8-1023-84-01
MIAMI COAL COMPANY
FLAG RUN 00100294

Legend

- Old Beam Pit (Cragline has been removed by past mining)
 - Recovering Stream (Flag Run at Terrace Creek, Unstreamed Tributary of Terrace Creek & Terrace Creek)
 - End Of Disturbed Area Marker
 - Permanent Monument
 - Test Borehole
 - Reveal Structure Area
 - Surface Water Test Borehole (continue to monitor with WTS, WTS & WTS)
 - Discharge Test Site (and continue to monitor: GW2)
 - Drainage Limits
 - WQDES Monitoring Outlet
 - Outbuilding (Barn, Shed, etc.)
 - House
 - Overhead Sampling Site
 - Gas Meter
 - Gas Line
 - Utility Line
 - Water Line
 - Drainage Division
 - Proposed Top Of Highway
 - Cross-Section
 - Property Line
 - Existing Highway
 - Auguring Lines
 - Boring Line (80 to nearest structure & gauge)
 - Drainage Ditch
 - Surface Pipe
 - Bump & Churn
- Acquire Breakdown**
- Mineral Removal Area 28.69 Ac.
 - Disturbed Area 21.87 Ac.
 - Drainage Treatment Area 3.18 Ac.
 - Rehabilitated Area 0.18 Ac.
 - Total Permit Area 53.92 Ac.**

Surface & Mineral Owners

Surface: The Endres Company
Lynn Lachner
Pat Cunningham
Mineral: The Endres Company

100' Surface & Mineral Owners

Surface: James Swiger (100' resident water included in application)
Carol C. Allen
Thomas R. & Rebecca D. Downie
Hailey S. & Ida Pauline Knight
Mineral: The Endres Company



I, the undersigned, do hereby certify that this map is to the best of my knowledge and belief, correct and shows all of the information required by the Surface Mining Law of the State of West Virginia.
George Switzer, J. N. E. P. 6582
Notary Public

Notes: (1) ALAMCO P' permits will be temporarily necessary to facilitate mining.
(2) There are no methane structures. Siting leads to significant adverse or irreversible resource impacts in those areas overlying the proposed sugar mining.
(3) All lands within the proposed permit area fall within the various categories of restricted or hazardous areas.
(4) Relationships will be surveyed as necessary to control quality.

Water Test Results

Site	pH	Iron (mg/l)	Suspended Solids (mg/l)
WT1	7.20	<0.05	5
WT2	7.81	0.58	16
WT3	7.70	3.10	115
WT4	5.20	14.6	27
WT5	6.75	0.22	3
WT6	6.83	1.74	7
WT7	7.09	0.80	5
GW1	6.97	<0.05	4
GW2	3.34	18.3	362
GW3	3.20	952	49

Component Drainage Areas

Area	Total Drainage	Total Disturbed	Required Capacity	Available Capacity
A	75.00 AC	22.35 AC	2.70 ACFl	2.40 ACFl
B	42.98 AC	28.47 AC	3.56 ACFl	3.74 ACFl

Bonding Increments

Increment #1: All Disturbance in Drainage Area A & Haulroad #1 22.44 AC. Total
Increment #2: All Disturbance in Drainage Area B & Haulroad #2 28.56 AC. Total

- (5) The only groundwater which will be encountered by the proposed operation is that associated with the adjacent drainage network, west of the Pittsburgh coal seam. Water is currently present to an elevation of approximately 1009 as it is discharging from the old drainage tunnel @ GW3. Groundwater movement would normally follow the northeasterly dip of the rock strata.
- (6) Auger hole elevations are very close together and are very close together and are very close together. Extension will be to depth 30%.
- (7) The proposed permit area has previously been mined in the same coal seam by both the surface & deep methods. Surface mining occurred in the 1950s. Deepmining occurred during the 1970s.
- (8) Water made run with R.O.W. at county roads.
- (9) Sun & Kristy Allen & G.W. Gerard are only residents on Clark C. Allen Property.
- (10) Any coal waste encountered will be disposed of as detailed in sections I & K of the application.

RECORD OF CHANGES

Date	By	Description

953388
Wolf Summit
PGH