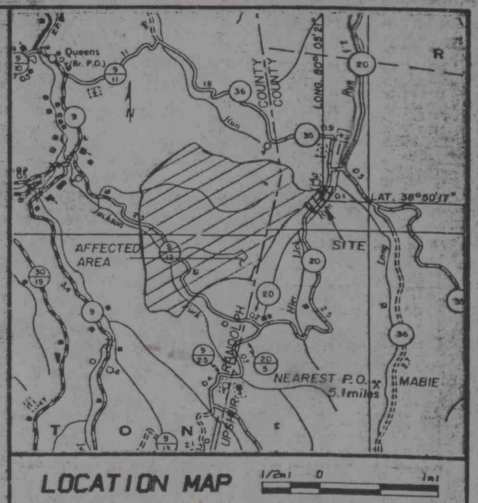




| OWNERSHIP | | | | |
|--------------|-----------------------------|-------|---------------|-------|
| TRACT | SURFACE | ACRES | MINERAL | ACRES |
| 1 | HAROLD SHOCKEY, et al | 10.8 | NEVA McMULLAN | 3.2 |
| 2 | DALE WOODY et al | | | |
| 3 | DENVER HANIFAN | | | |
| 4 | COASTAL LUMBER CORP. | | | |
| 5 | COASTAL LUMBER CORP., et al | | | |
| 6 | DAVID MOSS | | | |
| 7 | ALORA HANIFAN | | | |
| 8 | DONNELL WOODY JR. | | | |
| 9 | DALE F. WOODY et al | | | |
| 10 | DALE WOODY et al | | | |
| 11 | DALE WOODY et al | | | |
| 12 | COASTAL LUMBER CORP. | | | |
| 13 | COASTAL LUMBER CORP. | | | |
| 14 | D. KENT MOSS | | | |
| 15 | WOODY LUMBER CO., INC. | | | |
| 16 | COASTAL LUMBER CORP. | | | |
| 17 | GOFFL DRESS | | | |
| 18 | THOMAS GODDEN et al | | | |
| 19 | COASTAL LUMBER CORP. | | | |
| 20 | SARAH LEIGH | | | |
| 21 | RAYMOND THORPE | | | |
| 22 | WESTVACO CORP. | | | |
| 23 | RAYMOND THORPE | | | |
| 24 | RUTHELL LUMBER CO. | | | |
| 25 | WESTVACO CORP. | | | |
| 26 | L.L. MOSS | | | |
| 27 | JEFFERY VISHNEVSKI | | | |
| 28 | DONNY R. TENNEY | | | |
| 29 | ALBERT CURRENCE | | | |
| TOTAL BONDED | | 10.8 | TOTAL MINERAL | 3.2 |



LEGEND

- 10.8 AC. BONDED AREA
- 3.2 AC. MINERAL TO BE REMOVED
- ADJACENT PERMIT
- SEDIMENT CONTROL STRUCTURE (TEMPORARY)
- PROPERTY LINES
- CROP LINE SEWELL SEAM
- DRAINAGE AREA DIVISION
- DIRECTION OF SURFACE WATER RUNOFF
- SURFACE WATER MONITORING SITE
- BASELINE MONITORING SITE
- PERMANENT MONUMENT
- END OF STRIP MARKER
- GEOLOGIC COLUMN & OVERBURDEN TEST SITE
- RESIDENCE
- OUTBUILDING
- ABANDONED STRUCTURE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- MINING LIMIT
- 15° ANGLE OF DRAW
- COAL CONTOURS
- SUBSIDENCE PROTECTION ZONE
- TOPSOIL STOCKPILE (TEMPORARY)
- APPROXIMATE LOCATION EXISTING UNDERGROUND WORKINGS (SEWELL SEAM)

| BOREHOLE LOCATIONS | | | |
|--------------------|-----------|-----------|------------|
| BOREHOLE | LATITUDE | LONGITUDE | ELEVATIONS |
| BC-LRD-0189 | 38°50'20" | 80°05'18" | 2098 |
| BC-LRD-0288 | 38°50'29" | 80°05'35" | 2500 |
| BC-LRD-0388 | 38°50'25" | 80°05'27" | 2640 |
| BC-LRD-0488 | 38°50'12" | 80°05'50" | 2828 |
| BC-LRD-0588 | 38°50'18" | 80°05'10" | 2360 |
| BC-LRD-0688 | 38°50'32" | 80°05'18" | 2433 |
| BC-LRD-0788 | 38°50'11" | 80°05'35" | 2255 |

| DRAINAGE | | | | | |
|-------------------|-------------|-----------------|-----------------------|---------------------------|----------------------------|
| DRAINAGE AREA | TOTAL ACRES | DISTURBED ACRES | CONTROLLING STRUCTURE | REQUIRED CAPACITY (AC-FT) | AVAILABLE CAPACITY (AC-FT) |
| A | 11.3 | 0.0 | DIVERSION DITCH 2 | N/A | N/A |
| B | 7.2 | 7.2 | POND 1 | 0.80 | 0.84 |
| C | 0.2 | 0.2 | NONE X | — | — |
| D | 0.3 | 0.3 | NONE X | — | — |
| POND NO. 1 | | 1.3 | | | |
| DIVERSION DITCH 1 | | 0.3 | | | |
| DIVERSION DITCH 2 | | 1.0 | | | |
| STREAM DIVERSION | | 0.6 | | | |
| TOTAL BONDED | | 10.8 | | | |

X INVOLVES PORTIONS OF RELOCATED SECONDARY ROUTE 20. TEMPORARY SEDIMENT CONTROL MEASURES WILL BE UTILIZED DURING CONSTRUCTION.

- NOTES:
- RECEIVING STREAM LONG RUN OF MIDDLE FORK RIVER
 - LANDUSE OF PERMIT AREA: FORESTLAND
 - ESTIMATED ELEVATION OF WATER TABLE AT PERMIT SITE = 2020
 - ESTIMATED EXTRACTION PERCENTAGE OF ENTIRE MINE AREA IS 80%.
 - CLOSEST STRUCTURE FOR BLASTING IS A GAS LINE LOCATED 200FT. FROM BLASTING AREA.
 - PROPERTY INFORMATION PROVIDED BY BENTLEY COAL COMPANY.
 - A 20' BUFFER ZONE WILL BE MAINTAINED ALONG HEIR LICK RUN & LONG RUN, EXCEPT FOR THE STREAM DIVERSION.

REVISED
2-17-92

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL OF THE INFORMATION REQUIRED BY THE SURFACE MINING LAWS OF THIS STATE.

PROFESSIONAL ENGINEER

STATE OF WEST VIRGINIA
COUNTY OF HARRISON

TAKEN, SWORN AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____, 1991.

MY COMMISSION EXPIRES _____

SMA-1043-91
NPDES EXHIBIT A

NORTH CENTRAL ENGINEERING, INC.
P.O. BOX 177
BRIDGEPORT, WV 26330

PROPOSAL / DRAINAGE / MINE DEVELOPMENT MAP
PLEASANT HILL MINE
MIDDLE FORK DISTRICT, RANDOLPH COUNTY, W.VA.

BENTLEY COAL COMPANY
STAR ROUTE BOX 44-C
COALTON, WV 26257

SCALE: 1" = 500'

DATE: MAY 10, 1991

IMAPS #
21125