

NOTES: NO EROSION AND SEDIMENTATION CONTROLS WILL REMAIN AS PART OF THE POSTMINING LAND USE.
OCCUPANTS OF ALL DWELLINGS ARE THE SAME AS THE LANDOWNER LISTED UNLESS OTHERWISE NOTED.
ALL AREAS WILL BE RESTORED TO A.O.C.
WATER WILL BE APPLIED TO THE ROADWAYS WITH THE USE OF A WATER TRUCK WHICH TRAVELS FROM JOB TO JOB AS NECESSARY TO CONTROL AIR POLLUTION.

KEY TO UTILITIES
UNILEC POWER COMPANY
BELL TELEPHONE CO.
POWER AND TELEPHONE

KEY TO CULVERTS
16" CPP
36" CP
48" CMP
16" CMP
48" CP

KEY TO SEQUENCE OF MINING
A - AREA A - PHASE I
B - AREA B - PHASE II

DRILL HOLE	SURFACE ELEVATION	LOWER FREEPORT	S.W.L.
1-1	1483.8	1411.5	1411.8
1-2	1477.9	1404.6	1407.9
1-3	1471.9	1392.6	1394.9
1-4	1465.9	1395.9	1400.9
1-5	1480.1	1415.3	1400.9
1-6	1481.3	1423.3	1424.3
1-7	1444.7	1421.7	1421.7
9	1492.4	1407.5	DRY PLUGGED
11	1475.2	1420.3	DRY PLUGGED

EROSION AND SEDIMENTATION CONTROL FACILITIES

- SEDIMENT POND
- COLLECTION DITCH
- TOP DIVERSION DITCH
- FIRST CUT AND DIRECTION
- DITCH ENERGY DISSIPATOR
- OUTLET ENERGY DISSIPATOR
- TOPSOIL STORAGE AREA
- PFS STORAGE AREA
- DESIGNATED PRIME FARMLAND SOILS
- DIRECTION OF AUGERING
- PROPOSED AUGERING AREA
- PROPOSED MINING ACTIVITIES WITHIN THE 100 FOOT BARRIER OF FOUNDRY RUN
- BLASTING AREA FOR SURFACE MINING PERMIT
- CLOSEST DWELLING TO BLAST AREA 50 FEET FROM
1 - JOSEPH M. CARNEY
1 STORY FRAME HOUSE
- AREAS RESTRICTED FROM BLASTING UNTIL VARIANCES ARE OBTAINED
- AREAS WHERE VARIANCES HAVE BEEN OBTAINED

- LIMIT OF DOVERSPIKE COAL CO. #33841303 DORA #6 DEEP MINE X
- LIMIT OF KENNEDY COAL CO. #15344 DEEP MINE V
- LIMIT OF FOUNDRY COAL CO. #14028 DEEP MINE VI

LEGEND

- GROUND WATER FLOW DIRECTION
- REGIONAL GROUND WATER FLOW DIRECTION
- SLOPE MEASURE (percent)
- BACKGROUND SAMPLING POINTS
- PROPOSED MONITORING POINTS
- WELL
- SPRING
- DWELLING
- GEOLOGIC CROSS-SECTION
- DRILL HOLE LOCATION
- OVERBURDEN HOLE LOCATION
- TREATMENT FACILITIES AREA
- DESIGNATED WETLANDS FROM NATIONAL WETLAND INVENTORY MAPS
- APPROXIMATE COAL OUTCROP
- EXISTING SURFACE MINE
- ABANDONED DRIFT MINE OR TEST PIT
- ROMAN NUMERALS KEY TO MINES
- STRIKE AND DIP
- GAS WELL
- WATERSHED LINE
- PROPOSED SUB-CHAPTER F MONITORING POINTS
- LOWER FREEPORT COAL 38.5 Acres*
- *INCLUDES 9.0 Acres FOR AUGERING

BACKGROUND SAMPLING POINTS (MP-PROPOSED MONITORING POINTS)

POINT	SOURCE	SAMPLING DATE	SURFACE ELEV.	FLOW SWL	FIELD pH
MP S-1	STREAM	01-29-92	1305	180	6.4
MP S-2	STREAM	01-29-92	1295	500	7.3
MP S-4	STREAM	01-29-92	1335	40	6.7
MP S-5	STREAM	01-29-92	1334	250	7.0
MP S-6	STREAM	01-29-92	1340	45	6.5
MP S-7	STREAM	01-29-92	1350	80	7.2
MP S-8	STREAM	01-29-92	1378	100	6.7
MP SP-1	SPRING	01-29-92	1512	7.0	7.6
MP SP-2	SPRING	01-29-92	1398	50	7.1
MP SP-3	SPRING	01-29-92	1375	75	7.0
MP SP-4	SPRING	01-29-92	1350	50	5.0
MP SP-5	SPRING	01-29-92	1380	3.0	6.6
MP SP-6	SPRING	01-29-92	1402	8	6.9
MP SP-7	SPRING	01-31-92	1510	8	6.0
MP SP-8	SPRING	01-31-92	1498	2	6.0
MP SP-9	SPRING	01-31-92	1463	5	5.7
MP SP-10	SPRING	01-31-92	1411	1	6.0
MP SP-11	SPRING	01-31-92	1402	DRY	---
MP SP-12	SPRING	01-31-92	1445	DRY	---
MP SP-13	SPRING	01-31-92	1444	DRY	---
MP SP-14	SPRING	01-31-92	1462	DRY	---
MP SP-15	SPRING	01-31-92	1442	3	5.6
MP SP-16	SPRING	01-31-92	1430	DRY	---
MP SP-17	SPRING	01-31-92	1360	25	5.0
MP D-1	DISCHARGE	01-29-92	1380	50	6.2
MP D-2	DISCHARGE	01-31-92	1410	3.9	3.9
MP D-3	DISCHARGE	01-31-92	1410	15	3.6
MP D-4	DISCHARGE	01-31-92	1502	10	5.6
MP D-5	DISCHARGE	01-31-92	1400	7	6.5
MP DR-1	DRAINAGE	01-29-92	1306	15	6.1
MP DR-2	DRAINAGE	01-29-92	1358	DRY	---
MP DR-3	DRAINAGE	01-31-92	1355	DRY	---
MP DR-4	DRAINAGE	01-29-92	1330	20	7.1
MP P-1	POND	01-29-92	1320	FROZEN	6.3
MP P-2	POND	01-29-92	1350	60	6.9
MP P-3	POND	01-31-92	1430	FROZEN	---
MP P-4	POND	01-31-92	1420	FROZEN	---
MP P-5	POND	01-31-92	1618	FROZEN	---
MP W-1	WELL	N/A UNTIL MAY	1350	1321 (2/26/92)	---
MP W-2	WELL	01-31-92	1618	N/A	6.8
MP W-2A	WELL	01-31-92	1617	NOT IN USE	---
MP W-3	WELL	01-31-92	1644	REFUSED SAMPLING	---
MP SP-18	SPRING	04.30-92	1420	---	---

NOTE: SURFACE ELEVATIONS SHOWN FOR THE BACKGROUND SAMPLING POINTS WERE INTERPOLATED FROM THE U.S.G.S. MAP OF THE AREA.

--- APPROXIMATE LOCATION OF POSSIBLE STREAM CHANNEL

EXISTING LAND USE	POSTMINING LAND USE	SEED MIXTURE
FORESTLAND	FORESTLAND	C,D
LANDS OCCASIONALLY CUT FOR HAY	LANDS OCCASIONALLY CUT FOR HAY	A
RESIDENTIAL	RESIDENTIAL	A

RECONSTRUCTED PRIME FARMLAND SOILS

- SURFACE MINING PERMIT AREA - MARCH 1992 - 93.5 ACRES*
- BARRIER AREAS INCLUDED
- VARIANCE AREAS INCLUDED

KEY TO LANDOWNERS

- JOSEPH M. CARNEY
- EDWARD KELLER
- RICHARD E. KAZA
- DAVID L. SMITH & DAVID L. SMITH JR.
- SANDRA B. HILL
- STEPHEN A. STRISHOCK
- WILLIAM H. RUGH
- STEVEN WARD
- ALBERT L. SPRANKLE, et. al.
- R. WESLEY SMITH, et. al.
- R. WESLEY SMITH, et. al.

SUPPORT AREA NOT BEING BONDED AT THIS TIME

DATE	BONDING INCREMENT REVISIONS	SUPPORT AT 15% \$150.00/Ac	SUPPORT AT 40% \$400.00/Ac	SUPPORT AT 100% \$1,000.00/Ac	SPOIL TO 85' AT 15% \$450.00/Ac	SPOIL TO 85' AT 40% \$1,200.00/Ac	SPOIL TO 85' AT 100% \$3,000.00/Ac	TOTAL
INITIAL BOND 01								



CARNEY MINE (S.O.A.P. # 766)

WALTER E. FIKE
PROFESSIONAL LAND SURVEYOR
CLARION, PA 16214

SURFACE MINING PERMIT
FOR
McKAY COAL COMPANY, INC.

DATE: JAN. 1992
SCALE: 1"=200'

JOB NO: ACAD DWG. 92-2
DRAWN BY: jdf