Subsidence Legend

M.A.P. No. 5094327

Contemplated Mining ☐ From _____ To _____

Dwelling Constructed Prior To April 27, 1966 — Width Of SA; Length Of SA; 50 % Mining Area

Dwelling Constructed After April 27, 1966 — Width Of SA; Length Of SA; 50 % Mining Area

Minimum Plan For Protected Structures

Length Of SA = 2 [(.27 x D) + 15.3 + L + LD (If Needed)]

Width Of SA = 2 [(.27 x D) + 15.3 + W + LD (If Needed)]

Previous Six Months Mining ☐

Mining Completed ☐

Property Line _____

Permit Line (No Mining) _____

Definitions Of Abbreviations, Symbols, Etc., Used In Formulas & Examples

SA = Support Area Under Protected Structure From Which Only 50 % Of Coal Is Extracted

D = Depth Of Cover Of Overburden

L = Length Of Structure

15 Feet = Safety Factor

LD = Additional Support Added On Each Downhill Side Of Support Area (Required If Structure Is Located On Terrain Sloping Greater Than 5 %)

W = Width Of Structure

.27 = Tangent Of 15 Degrees

RESERVATION

Shade

Church

To Rt. 30

T-649

T-744 (23)

(Paved)

SHADE LUTHERAN CHURCH

200 Ft. PROPERTY BARRIER

Loyalhanna Coal & Coke Co.
Mine No. 7 - Abandoned

2150

200 FT. PROPERTY BARRIER

Unpaved Surface)

T-649 (24) To T-742

Surf. El. 2550.00
Coal El. 2155.00

50 % MINING HARRY HITECHEW - Surface
LAUREL MINING CORP. - Coal

2170

Completed 7-31-89

1st Left Butt

LAUREL MINING CORP. - Surface
BERWIND CORPORATION - Coal

(2) 6" PVC Underground Water Lines

200' Safety Zone

Treatment Plant & Silo

LAUREL TREATMENT POND

1-ST RIGHT BUTT

2nd RIGHT BUTT

SOUTHEAST BUTT

Southeast Mains

Completed 7-31-87

W.W. Coal Co. Shop

Surf. El. 2638.00
Coal El. 2175.00

Silo

DEEP MINE SAFETY 100

Garage

FINAL MAP

RECEIVED JUL 27 1993 Dept. of Environmental Resources McMurray District Office

200' DEEP MINE BARRIER

WILLARD & DEANNA WILL - Surface
BERWIND CORPORATION - Coal

Traveled Weekly

JAMES NIZINSKI - Surface
BERWIND CORPORATION - Coal

Surf. El. 2540.00
Coal El. 2176.00

200 Ft. DEEP MINE BARRIER

Completed 1-31-93

2nd Right Butt

2nd Southwest Mains

Edge of Water 7-30-92

LAUREL SLUDGE DISPOSAL PONDS

Pond No. 1

Pond No. 2

PREPARED FOR

J & D MINING, INC.

MILLER RUN NO. 2 MINE R.D.1 CENTRAL CITY, PA 15926

UPPER KITTANNING COAL SEAM

SITUATE

SHADE TWP., SOMERSET CO., PENNSYLVANIA

SCALE: 1" = 100'

DATE: JUL 23 1993

PREPARED BY

MUSSER ENGINEERING

RD No. 1, Box 463, Central City, Pennsylvania 15926, 814/754-8477

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RANDALL L. MUSSER

EXHIBIT "B"

MATCH TO SHEET 1

MATCH TO SHEET 6 OF 8