

SEAL
COMMONWEALTH OF PENNSYLVANIA
R. DALLAS MUSSEY
REGISTERED PROFESSIONAL ENGINEER
No. 1078-E

MAP IS FOR VENTILATION & SUBSIDENCE
QUEMAHONIG COLLIERIES
MINE NO. 1 FEB 21 1995
UPPER KITTINGING SEAM Dept. of Environmental Resources
QUEMAHONIG TWP., SOMERSET CO., MURRY DISTRICT OFFICE

SCALE: 1" = 100' DATE: FEB 20 1995

DWN. BY: _____
CKD. BY: _____
Revised: _____
Revised: _____

MUSSER ENGINEERING
P. O. Box 100, Central City, PA 15926
(814) 751-8477

Subsidence Legend
Permit No. 56821304

Contemplated Mining From _____ To _____

Amendment Area Dwelling Constructed Prior To April 27, 1966 Dwelling Constructed After April 27, 1966

Minimum Plan For Protected Structures
Length of SA = $2 \cdot (27 \cdot D) \cdot (15 \cdot L) + LD$ (if needed)
Width of SA = $2 \cdot (27 \cdot D) \cdot W + LD$ (if needed)

Previous Six Month's Mining

Subsidence Permit Line

Definitions Of Abbreviations, Symbols, Etc., Used In Formulas & Examples
SA = Support Area Under Protected Structure
LD = Additional Support Added On Each Downhill Side Of Support Area (Required if Structure is Located On terrain Sloping Greater Than 5%)
D = Depth Of Cover Of Overburden
L = Length Of Structure
W = Width Of Structure
15 FEET = Safety Factor
27 = Tangent Of 15 Degrees

