



MAP IS FOR VENTILATION & SUBSIDENCE

QUEMAHONIG COLLIERIES
MINE NO. 1
UPPER KITTANNING SEAM B. 21 1995
QUEMAHONIG TWP., SOMERSET CO., PA 15920
DATE: FEB 20 1995

SCALE: 1" = 100'

MUSSEER ENGINEERING
P. O. 1, Central City, PA 15926
(814) 754-9477

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 = $3(1.27 + D) + 15 + L$
Width of SA = $2(1.27 + D) + W$
+ 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, if 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

VENTILATION LEGEND
Federal I. D. No. 36-07446

INTAKE AIR REDUCED AIR FLOW

RETURN AIR INTAKE ESCAPEWAY

ALTERNATE ESCAPEWAY PARTIAL STOPPING

PERMANENT STOPPING CURTAIN CHECK

BELT HAULAGE BELT DRIVE

RUN THRU EQUIPMENT DOORS

CART DOOR OVERCAST

CAVE PERMANENT STOPPING WITH DOOR

PROPOSED SEALS



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