

	MAP IS FOR VENTILATION & SUBSIDENCE	
	QUEMAHONIG COLLIERIES	
	MINE NO. 1	
	UPPER KITTANNING SEAM 0.21.1995	
QUEMAHONIG TWP., SOMERSET CO., PA. 15326		DATE: FEB 20 1995
SCALE: 1" = 100'		
MUSSE ENGINEERING		
P.O. Box 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 = $2(1.27 + 0.7) \cdot 15 \cdot L$ Width of SA = $2(1.27 + 0.7) \cdot 15 \cdot W$ Length of SA = $2(1.27 + 0.7) \cdot 15 \cdot L$ Width of SA = $2(1.27 + 0.7) \cdot 15 \cdot W$	
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 In 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		

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	

MATCH TO SHEET 5 OF 14

