

**J & D MINING, INC.**  
**MILLER RUN NO. 1 MINE**

Status: Inactive  
 Permit No. 5674302  
 Seam Mined: Upper Kittanning  
 Controlled Discharge

LEO McCLEMENS — Surface  
 BERWIND CORP. — Coal

CONSOLIDATION COAL CO. — Surface  
 BERWIND CORPORATION — Coal

WILLARD C and DEANNA N WILL — Surface  
 BERWIND CORPORATION — Coal

WILLARD J. and MARY L. WILL — Surface  
 BERWIND CORPORATION — Coal

CONSOLIDATION COAL CO. — Surface  
 BERWIND CORPORATION — Coal

WILLARD J. and MARY L. WILL — Surface  
 BERWIND CORPORATION — Coal

WILLIAM E and CAROL A ORAVEC — Surface  
 BERWIND CORPORATION — Coal

**VENTILATION LEGEND**

INTAKE AIR	RETURN AIR
PRIMARY ESCAPEWAY	ALTERNATE ESCAPEWAY
PERMANENT (CEMENT BLOCK) STOPPING	TEMPORARY (CANVAS) STOPPING
REGULATOR	OVERCAST
PERMANENT STOPPING WITH DOOR	BELT HAULAGE
REDUCED AIR FLOW	AIR LOCK DOOR
	AIR READING BLEEDER EVALUATION POINT

**Subsidence Legend**  
 M.A.P. No. 56841327

Contemplated Mining From To

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

Previous Six Month's Mining

Mining Completed

**Definitions of Abbreviations, Symbols, Etc., Used in Formulas & Examples**

SA = Support Area Under Protected Structure  
 LD = Additional Support Added On Each Down-Hill 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

Property Line  
 Permit Line (No Mining)

PREPARED FOR  
**J & D MINING, INC.**

**MILLER RUN NO. 2 MINE**  
 UPPER KITTANNING COAL SEAM  
 SITUATE  
 SHADE TWP., SOMERSET CO.,  
 PENNSYLVANIA

SCALE: 1" = 100'  
 DATE: NOV 16 1992

PREPARED BY  
**MUSSER ENGINEERING**  
 RD No. 1, Box 463, Central City, Pennsylvania 15926, 814/754-8477

