



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 Pign For Protected Structures
Levels of 50, 25, 10, 5, 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000

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 Down
 From which Only 50% of Coal is Extracted
 Structure is Located On Terrain Steeper
 Greater Than 5%
 L - Length of Structure
 W - Width of Structure
 IS FEET - Safety Factor
 27 - Tangent of 15 Degrees

SEAL MAP IS FOR VENTILATION & SUBSIDENCE

QUEMAHONING COLLIERIES
MINE NO. 1
UPPER KITTANNING SEAM
QUEMAHONING TWP., SOMERSET CO., PA.

SCALE: 1" = 100' DATE:

MUSSER ENGINEERING
P.O. Box 100, Central City, PA. 15926

DWN BY: []
 CND BY: []
 REVD BY: []
 REVD BY: []

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

INTAKE AIR → REDUCED AIR FLOW →
 RETURN AIR → PARTIAL STOPPING →
 ALTERNATE ESCAPEWAY → CURTAIN CHECK []
 PERMANENT STOPPING → BELT MAINTENANCE → BELT DRIVE []
 RUN TRAIL → EQUIPMENT DOORS →
 CART DOOR → OVERCAST →
 CAVE → PERMANENT STOPPING IN ROOM →

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