



## E-TEMPLATE AUGER MINING

08/2021

Supply the following information:

- a. Name of the coal seam to be auger mined and its thickness.

**Middle Kittanning Coal Seam / 28"- 36"**

**Lower Freeport Coal Seam / 28" – 36"**

**Upper Freeport Coal Seam / 28" – 36"**

- b. Identify the size, depth and spacing of the auger holes.

**Middle Kittanning Coal Seam – average size is anticipated to be 30 inches with a maximum depth of 400 feet where no barriers restrict hole depth. Hole spacing will be one-fifth (1/5) the diameter of the hole.**

**Lower Freeport Coal Seam – average size is anticipated to be 30 inches with a maximum depth of 400 feet where no barriers restrict hole depth. Hole spacing will be one-fifth (1/5) the diameter of the hole.**

**Upper Freeport Coal Seam – average size is anticipated to be 30 inches with a maximum depth of 400 feet where no barriers restrict hole depth. Hole spacing will be one-fifth (1/5) the diameter of the hole.**

- c. Identify the nature, timing and sequence of operations for auger holes within 500 feet, measured horizontally, of any active or abandoned underground mine.

**Middle Kittanning Coal Seam; auger mining of the Middle Kittanning Coal Seam will be conducted within 500 feet of an abandoned portion of the active Mine 78 site and within 500 feet of and beneath portions of the abandoned Yost Mine.**

**Lower Freeport Coal Seam; auger mining of the Lower Freeport Coal Seam will be conducted within 500 feet of and above an abandoned portion of the Mine 78 site.**

**Upper Freeport Coal Seam; auger mining of the Upper Freeport Coal Seam will be conducted within 500 feet of an active portion and above an abandoned portion on the Mine 78 site.**

- d. Identify the type and source of material to be used to seal the auger openings. Include the depth of the seal, and a description of the methods by which the seal will be installed.

**Non-toxic clay subsoil material will be used as a seal for the auger openings. The seal thickness will be three (3) times the diameter of the auger openings in length and will be installed using high-lifts and bulldozers.**

- f. If augering in the vicinity of barrier/variance areas, identify how the barrier/variance limits will be maintained.

**If auger mining in the vicinity of barrier/variance areas the barrier/variance feature (i.e. well, house, etc.) will be identified and a measurement will be taken from the auger high-wall to the feature. The appropriate barrier will then be subtracted from the total measured distance and only that length of auger steels will be utilized.**